

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 02 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*		
C1	Sunny	Calm	13:18	Surface	1.1	26.1	26.1	8.3	8.3	32.2	32.2	100.7	100.5	6.5	6.5	6.4	1.8	1.8	3.4	4.1	4.1	7.7		
				Middle	9.1	26.0	26.0	8.3	8.3	32.4	32.4	95.9	96.3	6.2	6.2		1.9	1.9		6.8	6.9			
				Bottom	17.1	25.4	25.6	8.4	8.4	32.5	32.5	93.3	93.0	6.1	6.0		6.0	6.5		6.6	11.9		12.1	
C2	Sunny	Calm	12:16	Surface	1.0	26.0	26.0	8.5	8.5	32.2	32.2	101.3	101.6	6.6	6.6	6.5	2.3	2.3	2.2	63.7	65.0	25.5		
				Middle	15.9	25.7	25.7	8.5	8.5	32.3	32.3	100.2	100.2	6.5	6.5		6.6	6.6		2.1	2.1		4.3	4.5
				Bottom	31.0	25.7	25.7	8.5	8.5	32.3	32.3	99.0	99.1	6.4	6.4		6.4	2.1		2.1	7.1		7.1	
G1	Sunny	Calm	12:42	Surface	0.9	25.9	25.9	8.4	8.4	32.0	32.1	101.8	101.6	6.6	6.6	6.5	1.7	1.8	1.7	5.9	5.8	5.6		
				Middle	3.9	25.9	25.9	8.4	8.4	32.5	32.4	99.4	99.6	6.4	6.4		6.6	6.6		1.4	1.6		4.7	4.7
				Bottom	7.0	25.9	25.9	8.4	8.4	32.6	32.6	82.7	81.1	5.4	5.3		5.3	1.7		1.9	6.4		6.3	
G2	Sunny	Calm	12:31	Surface	1.0	25.8	25.8	8.5	8.5	32.3	32.3	98.9	98.9	6.4	6.4	6.6	2.3	2.3	2.3	7.8	7.7	5.9		
				Middle	5.0	25.8	25.8	8.5	8.5	32.4	32.4	104.7	104.6	6.8	6.8		6.6	6.8		2.2	2.2		4.1	4.1
				Bottom	8.9	25.6	25.6	8.5	8.4	32.6	32.6	105.2	105.1	6.8	6.8		6.8	2.5		2.4	5.9		6.0	
G3	Sunny	Calm	12:47	Surface	1.0	25.9	25.9	8.4	8.4	32.2	32.1	104.2	104.3	6.8	6.7	6.5	1.7	1.9	1.5	7.2	7.3	11.3		
				Middle	4.0	25.9	25.9	8.4	8.4	32.5	32.4	96.6	97.5	6.3	6.3		6.2	6.2		1.2	1.1		20.3	20.3
				Bottom	7.0	25.6	25.8	8.4	8.4	32.5	32.5	96.4	96.3	6.2	6.2		6.2	1.6		1.6	6.3		6.4	
G4	Sunny	Calm	12:59	Surface	1.0	26.0	25.9	8.2	8.2	31.2	31.3	102.6	102.6	6.7	6.6	6.6	2.8	2.6	2.8	39.1	38.7	24.1		
				Middle	4.5	25.9	25.9	8.2	8.2	32.4	32.4	102.7	102.8	6.6	6.6		6.6	6.6		2.7	2.7		28.1	28.6
				Bottom	7.0	25.8	25.7	8.2	8.2	32.5	32.5	101.7	100.0	6.6	6.5		6.5	3.0		3.3	5.2		5.1	
M1	Sunny	Calm	12:37	Surface	1.0	26.0	25.9	8.4	8.4	31.6	31.6	98.1	97.9	6.4	6.3	6.2	3.0	3.1	3.2	10.9	11.1	10.4		
				Middle	3.0	25.9	25.9	8.4	8.4	32.1	32.1	93.7	93.9	6.1	6.1		6.0	6.0		2.9	2.9		11.2	11.3
				Bottom	4.9	25.8	25.8	8.4	8.4	32.3	32.3	92.3	92.1	6.0	6.0		6.0	3.2		3.4	9.1		8.9	
M2	Sunny	Calm	12:27	Surface	0.9	25.8	25.8	8.6	8.5	31.9	32.0	105.2	105.3	6.8	6.8	6.8	1.3	1.3	1.6	8.8	8.9	5.9		
				Middle	6.0	25.6	25.7	8.6	8.5	32.5	32.5	105.2	105.2	6.8	6.8		6.8	6.8		0.6	0.8		5.1	5.1
				Bottom	11.0	25.6	25.6	8.6	8.5	32.6	32.6	97.9	97.8	6.3	6.3		6.3	2.5		2.7	3.7		3.7	
M3	Sunny	Calm	12:55	Surface	1.0	25.9	25.9	8.3	8.3	32.1	32.2	103.9	103.8	6.7	6.7	6.5	3.0	2.9	2.8	5.7	5.8	6.4		
				Middle	3.9	25.9	25.9	8.3	8.3	32.4	32.3	97.4	97.7	6.3	6.3		6.3	6.3		2.5	2.5		4.8	4.9
				Bottom	7.0	25.7	25.7	8.3	8.3	32.5	32.5	88.1	87.8	5.7	5.7		5.7	3.0		3.0	8.5		8.5	
M4	Sunny	Calm	12:22	Surface	1.0	25.9	25.9	8.5	8.5	31.0	30.9	104.6	104.6	6.8	6.8	6.6	3.8	3.7	3.8	6.6	6.6	6.2		
				Middle	4.9	25.8	25.8	8.5	8.5	32.6	32.5	99.6	99.7	6.4	6.5		6.5	6.5		3.4	3.6		6.1	6.1
				Bottom	8.9	25.7	25.7	8.5	8.5	32.7	32.6	94.2	94.3	6.1	6.1		6.1	4.2		4.0	6.0		6.0	
M5	Sunny	Calm	13:12	Surface	1.0	25.9	25.9	8.3	8.3	32.5	32.5	97.4	97.4	6.3	6.3	6.2	2.9	2.8	2.6	6.4	6.6	7.6		
				Middle	6.1	25.8	25.8	8.3	8.3	32.5	32.5	93.7	94.0	6.1	6.1		6.1	6.1		2.7	2.4		6.5	6.5
				Bottom	11.0	25.8	25.8	8.3	8.3	32.5	32.5	91.4	91.3	5.9	5.9		5.9	2.4		2.5	9.5		9.6	
M6	Sunny	Calm	13:05	Surface	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	1.8	-	-	4.0		
				Middle	2.0	25.9	25.9	8.2	8.2	32.5	32.5	98.6	98.5	6.4	6.4		6.4	6.4		1.8	1.8		4.0	4.0
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 2 November 2020 (Mid-Ebb Tide)

Parameter (unit)	Depth	Action Level	Limit Level
DO in mg/L (See Note 1 and 4)	Stations G1-G4, M1-M5		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	Station M6		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	Stations G1-G4, M1-M5		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.5 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.7 NTU</u>
	Station M6		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	Stations G1-G4		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 78.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 84.5 mg/L</u>
	Stations M1-M5		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 78.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 84.5 mg/L</u>
	Stations G1-G4, M1-M5		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 8.5 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 9.2 mg/L</u>
	Station M6		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 02 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	9:03	Surface	1.1	26.0 26.0	26.0	8.4 8.4	8.4	32.2 32.2	32.2	99.8 99.5	99.7	6.5 6.4	6.5	6.4	2.7 2.3	2.5	3.1	4.5 4.5	4.5	4.7
				Middle	9.1	25.7 25.8	25.7	8.4 8.4	8.4	32.3 32.3	32.3	97.1 97.7	97.4	6.3 6.3	6.3		3.2 3.4	3.3		3.5 3.5	3.5	
				Bottom	17.1	25.7 25.7	25.7	8.4 8.4	8.4	32.5 32.5	32.5	92.1 91.5	91.8	6.0 6.0	6.0		3.9 3.3	3.6		6.2 6.1	6.2	
C2	Sunny	Calm	8:07	Surface	1.1	26.5 26.4	26.4	8.5 8.5	8.5	32.2 32.2	32.2	100.9 101.1	101.0	6.5 6.5	6.5	6.5	3.2 2.9	3.1	4.7	7.4 7.5	7.5	7.3
				Middle	16.5	25.9 25.8	25.8	8.5 8.5	8.5	32.3 32.3	32.3	100.5 100.3	100.4	6.5 6.5	6.5		5.3 5.4	5.4		7.2 7.2	7.2	
				Bottom	31.0	25.8 25.8	25.8	8.5 8.5	8.5	32.3 32.3	32.3	98.7 98.9	98.8	6.4 6.4	6.4		5.4 5.6	5.5		7.3 7.3	7.3	
G1	Sunny	Calm	8:33	Surface	1.1	26.1 26.1	26.1	8.5 8.5	8.5	31.4 31.8	31.6	102.6 102.2	102.4	6.7 6.6	6.6	6.5	1.5 1.6	1.6	1.6	8.2 8.2	8.2	6.0
				Middle	3.7	26.1 26.1	26.1	8.5 8.5	8.5	32.5 32.5	32.5	98.7 99.1	98.9	6.4 6.4	6.4		1.7 1.6	1.6		6.3 6.5	6.4	
				Bottom	6.5	26.0 26.0	26.0	8.5 8.5	8.5	32.6 32.6	32.6	86.8 84.6	85.7	5.6 5.5	5.6		1.3 1.8	1.5		3.5 3.4	3.5	
G2	Sunny	Calm	8:23	Surface	1.0	26.2 26.0	26.1	8.5 8.5	8.5	32.2 32.2	32.2	99.1 98.9	99.0	6.4 6.4	6.4	6.6	1.8 1.6	1.7	1.4	9.7 10.0	9.9	23.3
				Middle	5.1	26.1 26.0	26.0	8.6 8.5	8.6	32.5 32.5	32.5	105.1 105.0	105.1	6.8 6.8	6.8		1.2 1.2	1.2		30.5 31.2	30.9	
				Bottom	9.0	25.9 25.9	25.9	8.5 8.5	8.5	32.6 32.6	32.6	105.3 105.2	105.3	6.8 6.8	6.8		1.4 1.4	1.4		28.9 29.4	29.2	
G3	Sunny	Calm	8:36	Surface	1.0	26.4 26.0	26.2	8.4 8.5	8.4	32.0 32.1	32.1	104.2 103.9	104.1	6.7 6.7	6.7	6.5	1.5 1.6	1.6	1.4	9.5 9.2	9.4	6.2
				Middle	3.7	26.0 26.0	26.0	8.4 8.4	8.4	32.4 32.3	32.4	97.8 98.1	98.0	6.3 6.4	6.3		1.3 1.3	1.3		3.4 3.4	3.4	
				Bottom	6.5	25.9 25.9	25.9	8.5 8.4	8.5	32.5 32.1	32.3	96.0 104.3	100.2	6.2 6.7	6.5		1.4 1.4	1.4		6.0 5.8	5.9	
G4	Sunny	Calm	8:47	Surface	1.1	26.0 26.3	26.2	8.4 8.4	8.4	31.5 31.7	31.6	102.6 102.7	102.7	6.6 6.6	6.6	6.6	1.6 1.6	1.6	1.5	4.9 4.9	4.9	13.8
				Middle	3.7	26.0 26.0	26.0	8.4 8.4	8.4	32.3 32.2	32.2	102.9 103.0	103.0	6.7 6.7	6.7		0.8 0.9	0.9		25.1 24.4	24.8	
				Bottom	6.5	25.9 25.9	25.9	8.4 8.4	8.4	32.6 32.6	32.6	97.8 97.7	97.8	6.3 6.3	6.3		1.9 2.0	1.9		11.7 11.7	11.7	
M1	Sunny	Calm	8:28	Surface	1.0	26.4 26.0	26.2	8.5 8.5	8.5	31.7 31.8	31.7	97.2 96.9	97.1	6.3 6.3	6.3	6.2	1.9 1.9	1.9	2.0	4.2 4.0	4.1	7.1
				Middle	3.0	26.2 26.1	26.1	8.5 8.5	8.5	32.1 32.0	32.0	94.2 94.6	94.4	6.1 6.1	6.1		2.0 2.0	2.0		6.2 6.3	6.3	
				Bottom	5.0	26.0 26.0	26.0	8.5 8.5	8.5	32.4 32.4	32.4	91.5 91.0	91.3	5.9 5.9	5.9		2.1 2.1	2.1		11.0 11.1	11.1	
M2	Sunny	Calm	8:19	Surface	1.0	26.2 26.0	26.1	8.5 8.5	8.5	32.2 32.2	32.2	105.7 106.0	105.9	6.8 6.9	6.8	6.8	1.0 1.0	1.0	0.9	8.6 8.7	8.7	7.5
				Middle	5.2	25.9 26.0	26.0	8.5 8.5	8.5	32.4 32.3	32.4	105.2 105.4	105.3	6.8 6.8	6.8		0.8 0.8	0.8		5.9 6.1	6.0	
				Bottom	9.5	25.7 25.6	25.7	8.6 8.6	8.6	32.7 32.7	32.7	96.5 96.5	96.5	6.3 6.2	6.2		0.8 0.9	0.8		7.9 7.6	7.8	
M3	Sunny	Calm	8:43	Surface	1.0	26.1 26.0	26.0	8.4 8.4	8.4	32.1 32.1	32.1	104.3 104.1	104.2	6.7 6.7	6.7	6.5	1.7 1.7	1.7	1.0	7.6 7.9	7.8	7.4
				Middle	3.7	26.0 26.0	26.0	8.4 8.4	8.4	32.5 32.4	32.4	96.5 96.8	96.7	6.3 6.3	6.3		0.3 0.3	0.3		6.4 6.6	6.5	
				Bottom	6.5	25.9 25.9	25.9	8.4 8.4	8.4	32.5 32.5	32.5	90.3 89.1	89.7	5.9 5.8	5.8		0.9 0.9	0.9		7.7 8.1	7.9	
M4	Sunny	Calm	8:14	Surface	1.0	26.4 26.1	26.2	8.5 8.5	8.5	31.1 31.1	31.1	103.7 104.1	103.9	6.7 6.8	6.7	6.6	0.6 0.6	0.6	1.1	4.5 4.6	4.6	7.1
				Middle	5.0	26.0 26.0	26.0	8.6 8.6	8.6	32.6 32.6	32.6	99.4 99.5	99.5	6.4 6.4	6.4		1.1 1.2	1.1		11.3 11.8	11.6	
				Bottom	9.0	25.9 26.0	26.0	8.6 8.5	8.5	32.6 32.6	32.6	94.5 94.0	94.3	6.1 6.1	6.1		1.5 1.6	1.5		5.1 5.1	5.1	
M5	Sunny	Calm	8:58	Surface	1.0	26.3 26.1	26.2	8.4 8.4	8.4	32.5 32.5	32.5	97.2 97.0	97.1	6.3 6.3	6.3	6.2	1.0 1.0	1.0	1.4	5.9 6.1	6.0	8.3
				Middle	6.1	26.1 26.1	26.1	8.4 8.4	8.4	32.5 32.5	32.5	94.7 95.2	95.0	6.1 6.2	6.1		1.4 1.5	1.4		3.7 3.9	3.8	
				Bottom	11.0	26.1 26.1	26.1	8.4 8.4	8.4	32.5 32.5	32.5	91.0 90.8	90.9	5.9 5.9	5.9		1.7 1.7	1.7		14.8 15.4	15.1	
M6	Sunny	Calm	8:52	Surface	-	-	-	-	-	-	-	-	-	-	6.4	-	-	2.2	-	-	7.0	
				Middle	2.0	26.2 26.0	26.1	8.4 8.4	8.4	32.4 32.5	32.4	99.2 98.8	99.0	6.4 6.4		6.4	2.2 2.2		2.2	7.0 6.9		7.0
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 2 November 2020 (Mid-Flood Tide)

Parameter (unit)	Depth	Action Level	Limit Level
DO in mg/L (See Note 1 and 4)	Stations G1-G4, M1-M5		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	Station M6		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	Stations G1-G4, M1-M5		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.3 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.7 NTU</u>
	Station M6		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	Stations G1-G4		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 5.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.9 mg/L</u>
	Stations M1-M5		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 5.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.9 mg/L</u>
	Stations G1-G4, M1-M5		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 7.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 8.0 mg/L</u>
	Station M6		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 04 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	14:08	Surface	1.1	25.1 25.2	25.1	8.4 8.3	8.3	32.2 32.2	32.2	100.8 100.3	100.6	6.5 6.5	6.5	6.4	1.8 1.8	1.8	3.4	4.3 4.4	4.4	5.8
				Middle	9.1	25.0 24.9	25.0	8.4 8.4	8.4	32.4 32.4	32.4	96.0 96.7	96.4	6.2 6.3	6.3		1.9 1.9	1.9		7.8 8.0	7.9	
				Bottom	17.1	24.4 24.7	24.6	8.4 8.4	8.4	32.5 32.5	32.5	93.4 92.8	93.1	6.1 6.0	6.1		6.5 6.8	6.6		5.1 5.1	5.1	
C2	Sunny	Calm	13:06	Surface	1.1	25.0 25.0	25.0	8.6 8.5	8.5	32.2 32.2	32.2	101.9 101.4	101.7	6.6 6.6	6.6	6.5	2.3 2.3	2.3	2.2	4.7 4.7	4.7	5.2
				Middle	16.5	24.7 24.7	24.7	8.6 8.5	8.5	32.3 32.3	32.3	100.2 100.3	100.3	6.5 6.5	6.5		2.1 2.1	2.1		5.5 5.4	5.5	
				Bottom	31.0	24.6 24.7	24.7	8.6 8.5	8.5	32.3 32.3	32.3	99.2 99.1	99.2	6.4 6.4	6.4		2.1 2.1	2.1		5.3 5.3	5.3	
G1	Sunny	Calm	13:32	Surface	1.1	24.9 24.9	24.9	8.5 8.5	8.5	31.5 31.8	31.6	102.7 102.3	102.5	6.7 6.6	6.7	6.5	1.5 1.6	1.5	1.6	3.6 3.7	3.7	4.7
				Middle	3.7	24.9 24.9	24.9	8.5 8.5	8.5	32.5 32.5	32.5	98.8 99.2	99.0	6.4 6.4	6.4		1.6 1.6	1.6		6.1 6.2	6.2	
				Bottom	6.5	24.9 24.9	24.9	8.5 8.5	8.5	32.6 32.6	32.6	86.9 84.7	85.8	5.6 5.5	5.6		1.3 1.7	1.5		4.1 4.2	4.2	
G2	Sunny	Calm	13:21	Surface	1.0	24.8 24.8	24.8	8.5 8.6	8.5	32.2 32.3	32.2	99.2 99.0	99.1	6.4 6.4	6.4	6.6	1.7 1.6	1.7	1.4	2.4 2.5	2.5	4.7
				Middle	5.1	24.8 24.8	24.8	8.6 8.5	8.6	32.5 32.5	32.5	105.2 105.1	105.2	6.8 6.8	6.8		1.2 1.2	1.2		6.6 6.7	6.7	
				Bottom	9.0	24.6 24.7	24.6	8.5 8.5	8.5	32.6 32.6	32.6	105.4 105.3	105.4	6.8 6.8	6.8		1.4 1.4	1.4		4.9 5.0	5.0	
G3	Sunny	Calm	13:37	Surface	1.0	24.9 24.9	24.9	8.4 8.5	8.5	32.1 32.1	32.1	104.3 104.0	104.2	6.7 6.7	6.7	6.5	1.5 1.6	1.6	1.4	3.8 3.9	3.9	6.0
				Middle	3.7	24.9 24.9	24.9	8.5 8.5	8.5	32.4 32.3	32.4	97.9 98.2	98.1	6.3 6.4	6.4		1.3 1.3	1.3		9.1 8.9	9.0	
				Bottom	6.5	24.6 24.9	24.8	8.5 8.4	8.5	32.6 32.1	32.3	96.1 104.4	100.3	6.2 6.8	6.5		1.4 1.4	1.4		5.2 5.3	5.3	
G4	Sunny	Calm	13:49	Surface	1.1	25.0 24.9	24.9	8.4 8.4	8.4	31.5 31.7	31.6	102.7 102.8	102.8	6.7 6.7	6.7	6.7	1.6 1.6	1.6	1.4	4.7 4.6	4.7	7.0
				Middle	3.7	24.9 24.9	24.9	8.4 8.4	8.4	32.3 32.2	32.2	103.0 103.1	103.1	6.7 6.7	6.7		0.8 0.9	0.9		9.4 9.9	9.7	
				Bottom	6.5	24.8 24.7	24.7	8.4 8.4	8.4	32.6 32.6	32.6	97.9 97.8	97.9	6.3 6.3	6.3		1.9 1.9	1.9		6.5 6.7	6.6	
M1	Sunny	Calm	13:27	Surface	1.0	25.0 24.9	24.9	8.5 8.5	8.5	31.7 31.8	31.7	97.3 97.0	97.2	6.3 6.3	6.3	6.2	1.9 1.9	1.9	2.0	6.1 6.0	6.1	7.5
				Middle	3.0	24.9 24.9	24.9	8.5 8.5	8.5	32.1 32.0	32.0	94.3 94.7	94.5	6.1 6.1	6.1		2.0 2.0	2.0		9.0 9.1	9.1	
				Bottom	5.0	24.8 24.8	24.8	8.5 8.5	8.5	32.4 32.4	32.4	91.6 91.1	91.4	5.9 5.9	5.9		2.1 2.1	2.1		7.3 7.3	7.3	
M2	Sunny	Calm	13:16	Surface	1.0	24.8 24.8	24.8	8.5 8.5	8.5	32.2 32.2	32.2	105.8 106.1	106.0	6.8 6.9	6.9	6.8	1.0 1.0	1.0	0.9	7.3 7.0	7.2	6.1
				Middle	5.2	24.6 24.8	24.7	8.5 8.5	8.5	32.4 32.3	32.4	105.3 105.5	105.4	6.8 6.8	6.8		0.8 0.8	0.8		6.6 6.7	6.7	
				Bottom	9.5	24.6 24.6	24.6	8.6 8.6	8.6	32.7 32.7	32.7	96.6 96.6	96.6	6.3 6.3	6.3		0.8 0.8	0.8		4.5 4.6	4.6	
M3	Sunny	Calm	13:45	Surface	1.0	24.9 24.9	24.9	8.4 8.4	8.4	32.1 32.1	32.1	104.4 104.2	104.3	6.7 6.7	6.7	6.5	1.7 1.7	1.7	1.0	5.3 5.6	5.5	6.2
				Middle	3.7	24.9 24.9	24.9	8.4 8.4	8.4	32.5 32.4	32.4	96.6 96.9	96.8	6.3 6.3	6.3		0.3 0.3	0.3		7.6 7.6	7.6	
				Bottom	6.5	24.7 24.6	24.7	8.4 8.4	8.4	32.5 32.6	32.5	90.4 89.2	89.8	5.9 5.8	5.8		0.9 0.9	0.9		5.5 5.6	5.6	
M4	Sunny	Calm	13:11	Surface	1.0	24.9 24.8	24.9	8.6 8.6	8.6	31.1 31.1	31.1	103.8 104.2	104.0	6.7 6.8	6.7	6.6	0.6 0.6	0.6	1.1	7.4 7.4	7.4	6.0
				Middle	5.0	24.8 24.8	24.8	8.6 8.6	8.6	32.6 32.6	32.6	99.5 99.6	99.6	6.4 6.5	6.4		1.1 1.2	1.1		4.7 4.7	4.7	
				Bottom	9.0	24.7 24.7	24.7	8.6 8.5	8.5	32.6 32.6	32.6	94.6 94.1	94.4	6.1 6.1	6.1		1.5 1.6	1.5		5.8 5.9	5.9	
M5	Sunny	Calm	14:01	Surface	1.0	24.9 24.9	24.9	8.4 8.4	8.4	32.5 32.5	32.5	97.3 97.1	97.2	6.3 6.3	6.3	6.2	1.0 1.0	1.0	1.4	6.5 6.5	6.5	4.1
				Middle	6.1	24.8 24.8	24.8	8.4 8.4	8.4	32.5 32.5	32.5	94.8 95.3	95.1	6.1 6.2	6.2		1.4 1.5	1.4		2.9 2.9	2.9	
				Bottom	11.0	24.8 24.8	24.8	8.4 8.4	8.4	32.5 32.5	32.5	91.1 90.9	91.0	5.9 5.9	5.9		1.6 1.7	1.7		2.8 2.9	2.9	
M6	Sunny	Calm	13:55	Surface	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	2.2	-	-	3.5
				Middle	2.0	24.9 24.9	24.9	8.4 8.4	8.4	32.4 32.5	32.4	99.3 98.9	99.1	6.4 6.4	6.4		2.2 2.2	2.2		3.5 3.4	3.5	
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 4 November 2020 (Mid-Ebb Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.5 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.7 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 5.6 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 6.1 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 5.6 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 6.1 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 6.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 6.9 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 04 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	9:03	Surface	1.1	25.0 25.0	25.0	8.4 8.4	8.4	32.2 32.2	32.2	99.9 99.6	99.8	6.5 6.5	6.5	6.4	2.6 2.3	2.5	3.1	9.3 9.1	9.2	6.1
				Middle	9.1	24.7 24.8	24.7	8.4 8.4	8.4	32.3 32.3	32.3	97.2 97.8	97.5	6.3 6.3	6.3		3.2 3.4	3.3		5.0 5.2	5.1	
				Bottom	17.0	24.7 24.7	24.7	8.4 8.4	8.4	32.5 32.5	32.5	92.2 91.6	91.9	6.0 6.0	6.0		3.9 3.3	3.6		4.1 4.1	4.1	
C2	Sunny	Calm	8:07	Surface	1.0	25.5 25.4	25.4	8.5 8.5	8.5	32.2 32.2	32.2	101.2 101.0	101.1	6.5 6.5	6.5	6.5	2.9 3.2	3.1	4.6	6.9 7.1	7.0	6.1
				Middle	15.9	24.9 24.8	24.8	8.5 8.5	8.5	32.3 32.3	32.3	100.4 100.6	100.5	6.5 6.5	6.5		5.4 5.3	5.4		4.7 4.7	4.7	
				Bottom	31.0	24.8 24.8	24.8	8.5 8.5	8.5	32.3 32.3	32.3	99.0 98.8	98.9	6.4 6.4	6.4		5.6 5.4	5.5		6.6 6.8	6.7	
G1	Sunny	Calm	8:33	Surface	0.9	25.1 25.1	25.1	8.4 8.4	8.4	32.0 32.2	32.1	101.9 101.5	101.7	6.6 6.6	6.6	6.5	1.7 1.8	1.7	1.7	6.2 6.1	6.2	4.6
				Middle	3.9	25.1 25.1	25.1	8.4 8.4	8.4	32.5 32.4	32.4	99.5 99.9	99.7	6.4 6.5	6.5		1.4 1.7	1.5		3.2 3.3	3.3	
				Bottom	7.0	25.0 25.0	25.0	8.4 8.4	8.4	32.6 32.7	32.6	82.8 81.2	82.0	5.4 5.3	5.3		1.7 2.0	1.9		4.5 4.4	4.5	
G2	Sunny	Calm	8:23	Surface	1.0	25.2 25.0	25.1	8.5 8.5	8.5	32.3 32.3	32.3	99.0 99.0	99.0	6.4 6.4	6.4	6.6	2.3 2.2	2.3	2.3	2.7 2.7	2.7	7.2
				Middle	5.0	25.1 25.0	25.0	8.5 8.5	8.5	32.5 32.4	32.4	104.8 104.5	104.7	6.8 6.8	6.8		2.2 2.1	2.1		7.7 7.7	7.7	
				Bottom	8.9	24.9 24.9	24.9	8.5 8.4	8.4	32.6 32.6	32.6	105.3 105.1	105.2	6.8 6.8	6.8		2.5 2.2	2.3		11.0 11.3	11.2	
G3	Sunny	Calm	8:36	Surface	1.0	25.4 25.0	25.2	8.4 8.4	8.4	32.2 32.1	32.1	104.3 104.4	104.4	6.8 6.8	6.8	6.5	1.7 2.0	1.9	1.5	6.6 6.9	6.8	6.9
				Middle	4.0	25.0 25.0	25.0	8.4 8.4	8.4	32.5 32.5	32.5	96.7 97.6	97.2	6.3 6.3	6.3		1.1 1.1	1.1		8.2 8.3	8.3	
				Bottom	7.0	24.9 24.9	24.9	8.4 8.4	8.4	32.5 32.5	32.5	96.5 96.3	96.4	6.3 6.2	6.2		1.6 1.5	1.6		5.6 5.8	5.7	
G4	Sunny	Calm	8:47	Surface	1.0	25.0 25.3	25.2	8.2 8.2	8.2	31.2 31.4	31.3	102.7 102.6	102.7	6.7 6.7	6.7	6.7	2.8 2.4	2.6	2.8	5.4 5.5	5.5	7.8
				Middle	4.5	25.0 25.0	25.0	8.2 8.2	8.2	32.4 32.4	32.4	102.8 102.9	102.9	6.6 6.7	6.6		2.7 2.8	2.7		9.0 9.4	9.2	
				Bottom	7.0	24.9 24.9	24.9	8.2 8.2	8.2	32.5 32.5	32.5	101.8 98.4	100.1	6.6 6.4	6.5		3.0 3.5	3.2		8.7 8.7	8.7	
M1	Sunny	Calm	8:28	Surface	1.0	25.4 25.0	25.2	8.4 8.4	8.4	31.6 31.7	31.7	98.2 97.7	98.0	6.4 6.3	6.4	6.2	3.0 3.2	3.1	3.1	5.0 4.9	5.0	6.5
				Middle	3.0	25.2 25.1	25.1	8.4 8.4	8.4	32.1 32.1	32.1	93.8 94.1	94.0	6.1 6.1	6.1		2.9 3.0	2.9		6.6 6.5	6.6	
				Bottom	4.9	25.0 25.0	25.0	8.4 8.4	8.4	32.3 32.3	32.3	92.4 92.0	92.2	6.0 6.0	6.0		3.2 3.6	3.4		8.0 8.0	8.0	
M2	Sunny	Calm	8:19	Surface	0.9	25.2 25.0	25.1	8.6 8.6	8.6	31.9 32.1	32.0	105.3 105.5	105.4	6.8 6.8	6.8	6.8	1.3 1.2	1.2	1.6	5.2 5.0	5.1	5.7
				Middle	6.0	24.9 25.0	25.0	8.6 8.5	8.6	32.5 32.4	32.5	105.3 105.3	105.3	6.8 6.8	6.8		0.6 0.9	0.7		6.1 6.1	6.1	
				Bottom	11.0	24.7 24.6	24.7	8.6 8.5	8.6	32.7 32.7	32.7	98.0 97.8	97.9	6.3 6.3	6.3		2.5 2.9	2.7		6.0 5.9	6.0	
M3	Sunny	Calm	8:43	Surface	1.0	25.1 25.0	25.0	8.3 8.3	8.3	32.1 32.2	32.2	104.0 103.8	103.9	6.7 6.7	6.7	6.5	3.0 2.7	2.9	2.8	4.8 4.7	4.8	5.7
				Middle	3.9	25.0 25.0	25.0	8.3 8.3	8.3	32.4 32.3	32.4	97.5 98.0	97.8	6.3 6.3	6.3		2.4 2.6	2.5		5.6 5.5	5.6	
				Bottom	7.0	24.9 24.9	24.9	8.3 8.3	8.3	32.6 32.6	32.6	88.2 87.6	87.9	5.7 5.7	5.7		3.0 2.9	2.9		6.9 6.9	6.9	
M4	Sunny	Calm	8:14	Surface	1.0	25.4 25.1	25.2	8.5 8.5	8.5	31.0 30.9	30.9	104.7 104.7	104.7	6.8 6.8	6.8	6.6	3.8 3.7	3.7	3.7	6.3 6.4	6.4	6.6
				Middle	4.9	25.0 25.0	25.0	8.5 8.6	8.5	32.6 32.3	32.5	99.7 99.9	99.8	6.5 6.5	6.5		3.3 3.7	3.5		3.8 3.9	3.9	
				Bottom	8.9	24.9 25.0	25.0	8.5 8.5	8.5	32.7 32.7	32.7	94.3 94.5	94.4	6.1 6.1	6.1		4.1 3.8	4.0		9.3 9.6	9.5	
M5	Sunny	Calm	8:58	Surface	1.0	25.3 25.1	25.2	8.3 8.3	8.3	32.5 32.5	32.5	97.5 97.4	97.5	6.3 6.3	6.3	6.2	2.9 2.7	2.8	2.6	9.3 9.5	9.4	14.0
				Middle	6.1	25.1 25.1	25.1	8.3 8.3	8.3	32.5 32.5	32.5	93.8 94.3	94.1	6.1 6.1	6.1		2.7 2.2	2.4		27.8 27.5	27.7	
				Bottom	11.0	25.1 25.1	25.1	8.3 8.3	8.3	32.5 32.5	32.5	91.5 91.3	91.4	5.9 5.9	5.9		2.4 2.6	2.5		5.1 5.0	5.1	
M6	Sunny	Calm	8:52	Surface	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	1.8	-	-	7.5
				Middle	2.0	25.2 25.0	25.1	8.3 8.3	8.3	32.5 32.5	32.5	98.7 98.5	98.6	6.4 6.4	6.4		1.8 1.9	1.8		7.4 7.6	7.5	
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 4 November 2020 (Mid-Flood Tide)

Parameter (unit)	Depth	Action Level	Limit Level
DO in mg/L (See Note 1 and 4)	Stations G1-G4, M1-M5		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	Station M6		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	Stations G1-G4, M1-M5		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.3 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.7 NTU</u>
	Station M6		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	Stations G1-G4		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 11.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 12.0 mg/L</u>
	Stations M1-M5		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 11.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 12.0 mg/L</u>
	Stations G1-G4, M1-M5		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 4.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.3 mg/L</u>
	Station M6		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Water Quality Monitoring Results on 06 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	16:37	Surface	1.1	21.1 21.1	21.1	8.7 8.7	8.7	32.6 32.6	32.6	98.0 97.3	97.7	7.2 7.2	7.2	7.1	2.2 2.3	2.3	1.8	6.5 6.5	6.5	6.7
				Middle	9.0	20.9 21.5	21.2	8.7 8.7	8.7	32.9 32.9	32.9	94.0 94.3	94.2	6.9 6.9	6.9		1.6 1.6	1.6		8.5 8.4	8.5	
				Bottom	17.0	20.9 21.0	21.0	8.7 8.7	8.7	33.0 33.0	33.0	93.6 93.6	93.6	6.9 6.9	6.9		1.6 1.6	1.6		5.2 5.1	5.2	
C2	Sunny	Calm	14:48	Surface	1.0	21.7 20.9	21.3	8.8 8.8	8.8	32.8 32.8	32.8	111.5 111.5	111.5	8.5 8.5	8.5	8.5	1.3 1.3	1.3	1.5	9.5 9.4	9.5	8.2
				Middle	16.5	20.9 20.9	20.9	8.8 8.8	8.8	32.9 32.9	32.9	110.9 111.0	111.0	8.4 8.5	8.4		1.5 1.5	1.5		7.3 7.4	7.4	
				Bottom	32.0	20.9 20.9	20.9	8.8 8.8	8.8	33.1 33.1	33.1	107.5 107.7	107.6	8.1 8.2	8.2		1.7 1.7	1.7		7.8 7.9	7.9	
G1	Sunny	Calm	15:30	Surface	1.1	21.4 20.9	21.1	8.8 8.8	8.8	32.8 32.8	32.8	102.5 102.6	102.6	7.6 7.7	7.6	7.6	1.5 1.5	1.5	2.0	4.3 4.2	4.3	4.0
				Middle	4.1	20.9 20.8	20.9	8.8 8.8	8.8	33.1 33.1	33.1	100.7 100.7	100.7	7.5 7.5	7.5		1.6 1.6	1.6		4.0 3.9	4.0	
				Bottom	7.0	20.8 20.7	20.8	8.8 8.8	8.8	33.3 33.3	33.3	101.1 101.2	101.2	7.6 7.6	7.6		2.8 2.9	2.8		3.7 3.8	3.8	
G2	Sunny	Calm	15:08	Surface	1.1	21.2 20.9	21.1	8.8 8.8	8.8	32.4 32.5	32.5	97.9 98.0	98.0	7.3 7.3	7.3	7.3	1.4 1.4	1.4	1.9	7.5 7.7	7.6	8.5
				Middle	5.1	20.9 20.9	20.9	8.8 8.8	8.8	33.1 33.1	33.1	98.5 98.6	98.6	7.3 7.3	7.3		1.7 1.7	1.7		9.7 9.7	9.7	
				Bottom	9.0	20.8 20.9	20.8	8.8 8.8	8.8	33.2 33.3	33.2	97.7 97.7	97.7	7.3 7.3	7.3		2.4 2.6	2.5		8.0 8.3	8.2	
G3	Sunny	Calm	15:38	Surface	1.0	21.7 20.9	21.3	8.8 8.8	8.8	32.8 32.8	32.8	102.9 103.0	103.0	7.6 7.7	7.7	7.6	1.5 1.5	1.5	2.0	3.9 3.9	3.9	6.5
				Middle	4.0	20.8 20.9	20.9	8.8 8.8	8.8	33.1 33.1	33.1	100.7 100.7	100.7	7.5 7.5	7.5		1.7 1.7	1.7		10.0 10.0	10.0	
				Bottom	7.0	20.7 20.8	20.8	8.8 8.8	8.8	33.3 33.3	33.3	101.5 101.5	101.5	7.6 7.6	7.6		2.7 2.8	2.7		5.6 5.7	5.7	
G4	Sunny	Calm	15:53	Surface	1.0	21.9 21.0	21.5	8.8 8.8	8.8	32.8 32.8	32.8	102.9 102.7	102.8	7.5 7.7	7.6	7.5	1.5 1.5	1.5	2.0	6.5 6.4	6.5	5.8
				Middle	4.0	21.0 21.0	21.0	8.8 8.8	8.8	33.1 33.1	33.1	99.7 99.8	99.4	7.4 7.4	7.4		1.8 1.8	1.8		5.9 6.1	6.0	
				Bottom	7.1	20.9 20.9	20.9	8.8 8.8	8.8	33.2 33.2	33.2	96.4 96.2	96.3	7.2 7.1	7.1		2.7 2.7	2.7		5.1 5.0	5.1	
M1	Sunny	Calm	15:16	Surface	1.1	21.4 21.1	21.2	8.8 8.8	8.8	32.7 32.7	32.7	98.4 98.7	98.6	7.3 7.3	7.3	7.3	2.0 2.0	2.0	2.7	2.4 2.4	2.4	2.3
				Middle	3.1	20.9 21.0	20.9	8.8 8.8	8.8	33.0 33.0	33.0	97.3 97.4	97.4	7.2 7.2	7.2		2.9 2.8	2.8		3.3 3.3	3.3	
				Bottom	5.0	20.8 20.8	20.8	8.8 8.8	8.8	33.2 33.2	33.2	97.1 97.3	97.2	7.2 7.2	7.2		3.5 3.3	3.4		1.2 1.2	1.2	
M2	Sunny	Calm	15:01	Surface	1.0	21.6 20.9	21.3	8.8 8.8	8.8	32.3 32.4	32.4	97.8 97.9	97.9	7.2 7.3	7.2	7.3	1.4 1.4	1.4	2.0	5.1 5.2	5.2	5.4
				Middle	5.6	20.8 20.9	20.8	8.8 8.8	8.8	33.0 33.0	33.0	99.0 98.9	99.0	7.4 7.4	7.4		1.5 1.5	1.5		2.3 2.3	2.3	
				Bottom	10.0	20.8 20.8	20.8	8.8 8.8	8.8	33.3 33.3	33.3	98.0 97.9	98.0	7.3 7.3	7.3		3.1 3.2	3.1		8.6 9.0	8.8	
M3	Sunny	Calm	15:46	Surface	1.0	22.0 21.0	21.5	8.8 8.8	8.8	32.9 32.9	32.9	103.0 103.0	103.0	7.6 7.7	7.7	7.6	1.1 1.0	1.0	1.8	9.6 9.6	9.6	14.8
				Middle	4.0	20.9 20.9	20.9	8.8 8.8	8.8	33.2 33.1	33.1	101.5 101.5	101.5	7.6 7.6	7.6		2.2 2.1	2.1		6.8 6.9	6.9	
				Bottom	7.0	20.7 20.8	20.7	8.8 8.8	8.8	33.2 33.3	33.2	101.4 101.2	101.3	7.6 7.6	7.6		2.1 2.1	2.1		28.0 28.0	28.0	
M4	Sunny	Calm	14:55	Surface	1.1	21.7 21.0	21.3	8.8 8.8	8.8	32.3 32.4	32.3	109.6 109.4	109.5	8.2 8.3	8.2	8.3	1.2 1.2	1.2	1.3	4.3 4.4	4.4	5.5
				Middle	5.0	20.9 20.8	20.9	8.8 8.8	8.8	33.1 33.0	33.1	110.2 110.3	110.3	8.4 8.4	8.4		1.3 1.3	1.3		5.8 6.0	5.9	
				Bottom	9.0	20.8 20.8	20.8	8.8 8.8	8.8	33.2 33.2	33.2	109.2 109.3	109.3	8.3 8.3	8.3		1.5 1.6	1.6		6.2 6.2	6.2	
M5	Sunny	Calm	16:25	Surface	1.0	21.0 20.9	21.0	8.7 8.7	8.7	33.1 33.1	33.1	96.2 96.2	96.2	7.1 7.1	7.1	7.0	1.6 1.6	1.6	2.0	4.5 4.4	4.5	5.6
				Middle	6.0	20.9 21.6	21.2	8.8 8.8	8.8	33.4 33.4	33.4	95.3 95.1	95.2	7.0 6.9	7.0		2.0 2.0	2.0		8.1 7.9	8.0	
				Bottom	11.1	20.9 20.9	20.9	8.8 8.8	8.8	33.6 33.6	33.6	95.4 95.2	95.3	7.1 7.0	7.0		2.5 2.6	2.6		4.5 4.3	4.4	
M6	Sunny	Calm	16:07	Surface	-	-	-	-	-	-	-	-	-	-	7.3	-	-	3.0	-	-	4.5	
				Middle	2.2	21.1 21.0	21.0	8.8 8.8	8.8	33.1 33.1	33.1	99.1 98.6	98.9	7.4 7.3		7.3	2.9 3.1		3.0	4.4 4.6		4.5
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 6 November 2020 (Mid-Ebb Tide)

Parameter (unit)	Depth	Action Level	Limit Level
DO in mg/L (See Note 1 and 4)	Stations G1-G4, M1-M5		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	Station M6		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	Stations G1-G4, M1-M5		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.0 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.2 NTU</u>
	Station M6		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	Stations G1-G4		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.3 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.3 mg/L</u>
	Stations M1-M5		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.3 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.3 mg/L</u>
	Stations G1-G4, M1-M5		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 9.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 10.2 mg/L</u>
	Station M6		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 06 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)	Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)				
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Sunny	Calm	10:47	Surface	1.1	21.3 21.3	21.3	8.7 8.7	8.7	32.6 32.7	32.6	91.0 93.2	92.1	6.5 6.7	6.6	6.4	1.4 1.9	2.0	1.7	4.0 3.9	4.0	4.5
				Middle	8.6	21.2 21.2	21.2	8.7 8.7	8.7	32.9 32.8	32.8	88.9 89.4	89.2	6.3 6.3	6.3		1.6 1.6	1.6		5.3 5.5	5.4	
				Bottom	16.0	21.2 21.2	21.2	8.7 8.8	8.7	33.0 33.0	33.0	87.8 87.9	87.9	6.2 6.2	6.2		1.6 1.5	1.5		4.0 4.2	4.1	
C2	Sunny	Calm	9:19	Surface	1.1	21.6 21.6	21.6	8.7 8.8	8.7	32.9 32.9	32.9	93.8 93.8	93.8	6.7 6.7	6.7	6.7	1.4 1.3	1.4	1.5	8.0 8.0	8.0	7.3
				Middle	16.0	21.3 21.3	21.3	8.8 8.8	8.8	33.0 32.9	33.0	92.8 92.9	92.9	6.6 6.7	6.6		1.5 1.4	1.4		8.7 8.8	8.8	
				Bottom	31.0	21.3 21.3	21.3	8.8 8.8	8.8	33.1 33.1	33.1	89.9 89.7	89.8	6.4 6.4	6.4		1.7 1.7	1.7		5.0 5.0	5.0	
G1	Sunny	Calm	9:56	Surface	1.1	21.4 21.4	21.4	8.8 8.8	8.8	32.9 32.9	32.9	95.6 95.7	95.7	6.9 6.9	6.9	6.8	1.5 1.5	1.5	2.1	3.8 3.8	3.8	11.0
				Middle	3.7	21.2 21.2	21.2	8.8 8.8	8.8	33.1 33.1	33.1	93.5 93.5	93.5	6.7 6.7	6.7		1.5 1.5	1.5		9.1 9.0	9.1	
				Bottom	6.5	21.2 21.2	21.2	8.8 8.8	8.8	33.3 33.3	33.3	94.2 94.3	94.3	6.8 6.8	6.8		3.2 3.2	3.2		19.9 20.1	20.0	
G2	Sunny	Calm	9:39	Surface	1.0	21.4 21.4	21.4	8.8 8.8	8.8	32.6 32.7	32.6	89.0 89.2	89.1	6.3 6.3	6.3	6.3	1.4 1.4	1.4	2.0	14.5 14.3	14.4	14.3
				Middle	5.1	21.2 21.2	21.2	8.8 8.8	8.8	33.1 33.1	33.1	89.5 89.7	89.6	6.4 6.4	6.4		1.7 1.7	1.7		15.7 16.3	16.0	
				Bottom	9.1	21.2 21.2	21.2	8.8 8.8	8.8	33.3 33.3	33.3	88.5 88.5	88.5	6.3 6.3	6.3		2.7 2.7	2.7		12.5 12.3	12.4	
G3	Sunny	Calm	10:02	Surface	1.0	21.5 21.5	21.5	8.8 8.8	8.8	32.8 32.8	32.8	95.7 95.8	95.8	6.9 6.9	6.9	6.8	1.6 1.6	1.6	1.9	6.9 7.0	7.0	6.5
				Middle	3.8	21.2 21.2	21.2	8.8 8.8	8.8	33.1 33.1	33.1	93.4 93.5	93.5	6.7 6.7	6.7		1.7 1.7	1.7		3.8 3.8	3.8	
				Bottom	6.6	21.2 21.2	21.2	8.8 8.8	8.8	33.2 33.2	33.2	94.3 94.4	94.4	6.8 6.8	6.8		2.4 2.5	2.4		8.8 8.6	8.7	
G4	Sunny	Calm	10:17	Surface	1.1	21.4 21.4	21.4	8.8 8.8	8.8	32.8 32.8	32.8	95.9 95.8	95.9	6.9 6.9	6.9	6.8	1.5 1.5	1.5	2.3	13.2 13.3	13.3	13.2
				Middle	3.7	21.1 21.1	21.1	8.8 8.8	8.8	33.2 33.2	33.2	93.2 92.9	93.1	6.7 6.6	6.7		1.9 1.8	1.9		13.8 13.4	13.6	
				Bottom	6.5	21.1 21.1	21.1	8.8 8.8	8.8	33.2 33.3	33.3	93.2 92.6	92.9	6.7 6.6	6.6		3.2 3.7	3.5		12.6 13.0	12.8	
M1	Sunny	Calm	9:46	Surface	1.1	21.4 21.4	21.4	8.8 8.8	8.8	32.6 32.6	32.6	92.0 92.3	92.2	6.6 6.6	6.6	6.5	1.8 1.9	1.9	3.1	7.8 7.7	7.8	9.2
				Middle	3.1	21.3 21.3	21.3	8.8 8.8	8.8	33.1 33.0	33.0	91.3 91.4	91.4	6.5 6.5	6.5		3.2 3.2	3.2		13.6 13.2	13.4	
				Bottom	5.0	21.2 21.2	21.2	8.8 8.8	8.8	33.2 33.2	33.2	91.0 91.1	91.1	6.5 6.5	6.5		4.1 4.2	4.1		6.6 6.4	6.5	
M2	Sunny	Calm	9:34	Surface	1.0	21.5 21.5	21.5	8.8 8.8	8.8	32.3 32.3	32.3	88.6 88.6	88.6	6.3 6.3	6.3	6.3	1.3 1.3	1.3	1.9	9.1 9.2	9.2	10.0
				Middle	5.3	21.2 21.2	21.2	8.8 8.8	8.8	33.1 33.0	33.0	89.8 89.8	89.8	6.4 6.4	6.4		1.5 1.5	1.5		9.1 9.4	9.3	
				Bottom	9.5	21.2 21.2	21.2	8.8 8.8	8.8	33.2 33.2	33.2	88.9 88.9	88.9	6.3 6.3	6.3		2.7 3.0	2.8		11.5 11.6	11.6	
M3	Sunny	Calm	10:10	Surface	1.1	21.5 21.5	21.5	8.8 8.8	8.8	32.9 32.9	32.9	95.9 95.9	95.9	6.9 6.9	6.9	6.8	1.1 1.1	1.1	1.8	3.9 3.8	3.9	3.2
				Middle	3.7	21.2 21.2	21.2	8.8 8.8	8.8	33.1 33.1	33.1	94.4 94.4	94.4	6.8 6.8	6.8		2.1 2.1	2.1		4.6 4.5	4.6	
				Bottom	6.6	21.1 21.1	21.1	8.8 8.8	8.8	33.3 33.3	33.3	94.0 93.9	94.0	6.7 6.7	6.7		2.2 2.2	2.2		1.2 1.1	1.2	
M4	Sunny	Calm	9:27	Surface	1.0	21.5 21.5	21.5	8.8 8.8	8.8	32.4 32.4	32.4	91.4 91.1	91.3	6.5 6.5	6.5	6.6	1.2 1.2	1.2	1.3	11.7 12.2	12.0	9.2
				Middle	5.1	21.2 21.2	21.2	8.8 8.8	8.8	33.0 33.0	33.0	92.7 92.9	92.8	6.6 6.7	6.6		1.3 1.3	1.3		6.4 6.5	6.5	
				Bottom	9.0	21.2 21.2	21.2	8.8 8.8	8.8	33.2 33.2	33.2	91.7 91.9	91.8	6.6 6.6	6.6		1.6 1.6	1.6		9.1 9.2	9.2	
M5	Sunny	Calm	10:36	Surface	1.1	21.4 21.4	21.4	8.7 8.7	8.7	33.1 33.1	33.1	87.3 87.3	87.3	6.2 6.2	6.2	6.1	1.6 1.6	1.6	2.0	15.0 15.4	15.2	18.5
				Middle	5.6	21.3 21.3	21.3	8.8 8.8	8.8	33.4 33.4	33.4	86.5 86.5	86.5	6.1 6.1	6.1		2.0 2.0	2.0		12.3 11.9	12.1	
				Bottom	10.1	21.3 21.3	21.3	8.8 8.8	8.8	33.5 33.5	33.5	86.5 86.5	86.5	6.1 6.1	6.1		2.5 2.4	2.5		28.4 28.1	28.3	
M6	Sunny	Calm	10:26	Surface	-	-	-	-	-	-	-	-	-	-	6.9	-	-	3.3	-	-	7.5	
				Middle	2.1	21.1 21.1	21.1	8.8 8.8	8.8	33.1 33.2	33.2	95.4 95.1	95.3	6.9 6.8		6.9	3.3 3.4		3.3	7.5 7.4		7.5
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.
 ***MWQ Monitoring was only conducted on flood tide

Appendix I - Action and Limit Levels for Marine Water Quality on 6 November 2020 (Mid-Flood Tide)

Parameter (unit)	Depth	Action Level	Limit Level
DO in mg/L (See Note 1 and 4)	Stations G1-G4, M1-M5		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	Station M6		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	Stations G1-G4, M1-M5		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 1.9 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 2.0 NTU</u>
	Station M6		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	Stations G1-G4		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 4.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.1 mg/L</u>
	Stations M1-M5		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 4.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.1 mg/L</u>
	Stations G1-G4, M1-M5		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 4.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.3 mg/L</u>
	Station M6		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 09 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	9:28	Surface	1.0	19.4	19.4	8.3	8.3	34.5	34.4	99.7	100.0	7.5	7.5	7.5	1.1	1.1	1.3	2.5	2.5	3.1
				Middle	9.1	19.3	19.3	8.3	8.3	34.5	34.5	99.2	99.0	7.5	7.4		1.1	1.1		4.2	4.3	
				Bottom	17.1	19.4	19.4	8.3	8.3	34.8	34.8	96.0	95.6	7.2	7.2		1.8	1.8		2.4	2.4	
C2	Sunny	Calm	8:30	Surface	1.1	19.5	19.5	8.3	8.3	34.3	34.3	99.4	99.3	7.5	7.4	7.4	1.0	1.0	1.1	4.3	4.3	4.0
				Middle	16.0	19.4	19.4	8.3	8.3	34.4	34.4	98.4	98.0	7.4	7.4		1.1	1.1		3.6	3.6	
				Bottom	31.0	19.3	19.3	8.3	8.3	34.4	34.4	97.3	97.5	7.3	7.3		1.1	1.1		4.2	4.1	
G1	Sunny	Calm	8:58	Surface	1.1	19.6	19.5	8.3	8.3	34.1	34.2	95.8	96.4	7.2	7.2	7.2	1.5	1.5	1.4	3.2	3.2	5.6
				Middle	4.1	19.4	19.4	8.3	8.3	34.4	34.4	96.5	96.6	7.2	7.2		1.4	1.4		4.2	4.3	
				Bottom	7.0	19.4	19.4	8.3	8.3	34.4	34.4	96.5	96.6	7.2	7.2		1.3	1.3		9.6	9.4	
G2	Sunny	Calm	8:49	Surface	1.1	19.5	19.5	8.3	8.3	34.4	34.4	98.5	98.2	7.4	7.4	7.3	1.4	1.3	1.2	3.5	3.6	4.2
				Middle	5.1	19.4	19.4	8.3	8.3	34.4	34.4	97.4	97.1	7.3	7.3		1.2	1.2		7.0	6.9	
				Bottom	9.0	19.4	19.4	8.3	8.3	34.4	34.4	95.9	96.1	7.2	7.2		1.1	1.1		2.1	2.1	
G3	Sunny	Calm	9:05	Surface	1.1	19.6	19.6	8.3	8.3	34.2	34.3	96.7	96.9	7.2	7.3	7.2	1.4	1.3	1.4	5.4	5.4	8.0
				Middle	4.0	19.5	19.5	8.3	8.3	34.4	34.4	96.5	96.6	7.2	7.2		1.3	1.3		11.7	11.7	
				Bottom	7.1	19.5	19.5	8.3	8.3	34.4	34.4	96.2	96.5	7.2	7.2		1.5	1.5		6.8	6.9	
G4	Sunny	Calm	9:16	Surface	1.1	19.7	19.6	8.3	8.3	34.3	34.3	95.0	95.9	7.1	7.2	7.2	1.3	1.3	1.5	9.2	9.1	7.6
				Middle	4.1	19.4	19.5	8.3	8.3	34.4	34.4	97.0	96.7	7.3	7.2		1.3	1.3		8.6	8.8	
				Bottom	7.0	19.5	19.5	8.3	8.3	34.4	34.4	97.6	97.4	7.3	7.3		1.7	1.7		4.9	5.0	
M1	Sunny	Calm	8:53	Surface	1.1	19.5	19.5	8.3	8.3	34.3	34.3	96.4	95.5	7.2	7.2	7.1	2.2	2.2	2.2	4.1	4.1	6.1
				Middle	3.0	19.5	19.5	8.3	8.3	34.4	34.4	94.5	94.4	7.1	7.1		2.3	2.3		7.6	7.6	
				Bottom	5.1	19.4	19.4	8.3	8.3	34.4	34.4	94.3	94.2	7.1	7.1		2.1	2.1		6.6	6.7	
M2	Sunny	Calm	8:42	Surface	1.1	19.6	19.5	8.3	8.3	34.3	34.3	99.1	98.7	7.4	7.4	7.4	1.2	1.2	1.2	4.7	4.8	7.3
				Middle	6.1	19.3	19.4	8.3	8.3	34.4	34.4	98.3	98.5	7.4	7.4		1.1	1.1		6.1	6.2	
				Bottom	11.0	19.3	19.3	8.3	8.3	34.4	34.4	97.6	98.0	7.3	7.4		1.4	1.3		10.8	10.9	
M3	Sunny	Calm	9:12	Surface	1.1	19.6	19.6	8.3	8.3	34.3	34.3	97.1	97.5	7.3	7.3	7.3	1.3	1.3	1.3	5.7	5.7	6.5
				Middle	4.0	19.5	19.5	8.3	8.3	34.4	34.4	97.4	97.6	7.3	7.3		1.3	1.3		4.6	4.7	
				Bottom	7.1	19.5	19.5	8.3	8.3	34.4	34.4	96.7	96.9	7.3	7.3		1.3	1.3		8.9	9.1	
M4	Sunny	Calm	8:36	Surface	1.1	19.5	19.5	8.3	8.3	34.3	34.3	99.8	100.0	7.5	7.5	7.5	1.1	1.1	1.1	7.1	7.3	7.4
				Middle	5.1	19.4	19.4	8.3	8.3	34.3	34.3	99.8	99.9	7.5	7.5		1.1	1.1		6.5	6.6	
				Bottom	9.1	19.3	19.3	8.3	8.3	34.4	34.4	98.9	99.2	7.4	7.5		1.1	1.1		8.2	8.2	
M5	Sunny	Calm	9:24	Surface	1.1	19.5	19.5	8.3	8.3	34.4	34.4	99.0	99.3	7.4	7.4	7.4	1.2	1.2	1.2	4.4	4.4	4.3
				Middle	6.1	19.4	19.4	8.3	8.3	34.4	34.4	99.2	99.2	7.4	7.4		1.2	1.2		3.9	3.9	
				Bottom	11.0	19.3	19.3	8.3	8.3	34.5	34.5	97.7	97.9	7.3	7.4		1.3	1.3		4.5	4.6	
M6	Sunny	Calm	9:21	Surface	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	1.2	0.0	0.0	4.4	
				Middle	2.1	19.5	19.5	8.3	8.3	34.4	34.4	98.0	98.7	7.3		7.4	1.2		1.2	4.3		4.4
				Bottom	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0		0.0	0.0		0.0

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 9 November 2020 (Mid-Ebb Tide)

Parameter (unit)	Depth	Action Level	Limit Level
DO in mg/L (See Note 1 and 4)	Stations G1-G4, M1-M5		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	Station M6		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	Stations G1-G4, M1-M5		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 1.3 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 1.4 NTU</u>
	Station M6		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	Stations G1-G4		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 5.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.5 mg/L</u>
	Stations M1-M5		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 5.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.5 mg/L</u>
	Stations G1-G4, M1-M5		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.3 mg/L</u>
	Station M6		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 11 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value
C1	Sunny	Moderate	16:04	Surface	1.0	26.0 26.0	26.0	8.4 8.4	8.4	34.0 34.0	34.0	98.4 98.4	98.4	6.5 6.5	6.5	6.5	3.7 3.8	3.8	3.8	6.9 6.7	6.8	6.3
				Middle	8.5	25.7 25.8	25.7	8.4 8.4	8.4	34.0 34.0	34.0	98.2 98.2	98.2	6.5 6.5	6.5		4.6 4.6	4.6		3.8 3.9	3.9	
				Bottom	16.1	25.7 25.7	25.7	8.4 8.4	8.4	33.9 33.9	33.9	99.0 99.0	99.0	6.5 6.5	6.5		3.1 3.0	3.0		8.2 8.2	8.1	
C2	Sunny	Moderate	14:25	Surface	1.1	26.0 26.0	26.0	8.5 8.5	8.5	33.9 33.9	33.9	98.9 98.9	98.9	6.5 6.5	6.5	6.5	3.0 3.0	3.0	3.7	10.4 10.2	10.3	8.4
				Middle	16.1	25.7 25.7	25.7	8.5 8.5	8.5	34.0 34.0	34.0	98.4 98.5	98.5	6.5 6.5	6.5		3.7 3.7	3.7		6.2 6.3	6.3	
				Bottom	31.0	25.6 25.7	25.7	8.5 8.5	8.5	34.0 34.0	34.0	98.3 98.3	98.3	6.5 6.5	6.5		4.5 4.4	4.4		8.6 8.7	8.7	
G1	Sunny	Moderate	15:03	Surface	1.0	25.9 25.9	25.9	8.4 8.3	8.3	34.0 34.0	34.0	97.9 97.9	97.9	6.5 6.5	6.5	6.4	5.6 5.6	5.6	4.6	5.0 5.0	5.0	6.2
				Middle	3.7	25.9 25.9	25.9	8.4 8.4	8.4	34.0 34.0	34.0	97.7 97.6	97.7	6.4 6.4	6.4		5.2 5.0	5.1		6.4 6.2	6.3	
				Bottom	6.5	25.9 25.9	25.9	8.5 8.4	8.4	33.9 33.9	33.9	100.0 98.7	99.4	6.6 6.5	6.5		3.2 3.2	3.2		7.3 7.3	7.3	
G2	Sunny	Moderate	14:44	Surface	1.0	25.8 25.8	25.8	8.5 8.4	8.4	34.1 34.1	34.1	99.1 99.0	99.1	6.5 6.5	6.5	6.5	5.4 5.5	5.4	5.4	6.1 6.3	6.2	8.6
				Middle	5.0	25.8 25.8	25.8	8.4 8.4	8.4	34.1 34.1	34.1	98.5 98.5	98.5	6.5 6.5	6.5		5.8 5.9	5.8		7.4 7.0	7.2	
				Bottom	9.1	25.6 25.7	25.6	8.4 8.4	8.4	34.0 34.0	34.0	98.9 98.9	98.9	6.5 6.5	6.5		4.8 4.8	4.8		12.5 12.3	12.4	
G3	Sunny	Moderate	15:10	Surface	1.1	25.9 25.9	25.9	8.4 8.4	8.4	33.9 33.9	33.9	97.6 97.6	97.6	6.4 6.4	6.4	6.5	3.8 3.8	3.8	3.6	30.1 29.8	30.0	31.6
				Middle	3.8	25.9 25.9	25.9	8.4 8.4	8.4	34.1 34.1	34.1	98.0 97.9	98.0	6.5 6.5	6.5		3.8 3.8	3.8		57.4 55.6	56.5	
				Bottom	6.6	25.6 25.9	25.7	8.4 8.4	8.4	33.9 33.9	33.9	98.1 98.1	98.1	6.5 6.5	6.5		3.1 3.1	3.1		8.2 8.3	8.3	
G4	Sunny	Moderate	15:22	Surface	1.0	26.0 25.9	25.9	8.4 8.4	8.4	33.9 33.9	33.9	98.0 98.0	98.0	6.5 6.5	6.5	6.5	3.4 3.3	3.3	3.2	4.2 4.2	4.2	4.8
				Middle	3.8	25.9 25.9	25.9	8.5 8.4	8.4	34.0 34.0	34.0	97.8 97.9	97.9	6.5 6.5	6.5		3.6 3.4	3.5		3.9 4.0	4.0	
				Bottom	6.6	25.8 25.7	25.7	8.4 8.4	8.4	33.9 33.9	33.9	98.9 98.9	98.9	6.5 6.5	6.5		2.6 2.6	2.6		6.3 6.2	6.3	
M1	Sunny	Moderate	14:51	Surface	1.1	26.0 25.9	25.9	8.4 8.4	8.4	34.0 34.0	34.0	98.5 98.5	98.5	6.5 6.5	6.5	6.5	5.1 5.1	5.1	4.9	5.5 5.3	5.4	7.0
				Middle	3.0	25.9 25.9	25.9	8.4 8.4	8.4	34.1 34.1	34.1	98.3 98.3	98.3	6.5 6.5	6.5		5.6 5.6	5.6		6.9 7.0	7.0	
				Bottom	5.1	25.8 25.8	25.8	8.4 8.4	8.4	33.8 33.9	33.8	99.1 98.8	99.0	6.5 6.5	6.5		4.0 4.1	4.1		8.2 8.0	8.1	
M2	Sunny	Moderate	14:37	Surface	1.1	25.8 25.8	25.8	8.5 8.5	8.5	33.9 33.9	33.9	98.4 98.4	98.4	6.5 6.5	6.5	6.5	3.3 3.3	3.3	4.0	8.2 8.0	8.1	8.1
				Middle	5.2	25.6 25.8	25.7	8.5 8.5	8.5	34.0 34.0	34.0	98.0 98.0	98.0	6.5 6.5	6.5		4.0 3.9	4.0		8.1 8.1	8.1	
				Bottom	9.5	25.6 25.6	25.6	8.5 8.5	8.5	34.0 34.0	34.0	100.3 99.9	100.1	6.6 6.6	6.6		4.5 4.7	4.6		8.1 7.8	8.0	
M3	Sunny	Moderate	15:16	Surface	1.0	25.9 25.9	25.9	8.4 8.4	8.4	33.9 33.9	33.9	97.7 97.7	97.7	6.4 6.4	6.4	6.4	3.5 3.6	3.5	3.4	7.8 8.2	8.0	9.0
				Middle	3.8	25.9 25.9	25.9	8.4 8.4	8.4	34.0 34.0	34.0	97.9 97.7	97.8	6.5 6.5	6.5		3.8 3.9	3.9		11.8 11.2	11.5	
				Bottom	6.5	25.7 25.6	25.7	8.4 8.4	8.4	33.9 33.9	33.9	98.6 98.6	98.6	6.5 6.5	6.5		2.9 2.9	2.9		7.6 7.6	7.6	
M4	Sunny	Moderate	14:32	Surface	1.1	25.9 25.8	25.9	8.5 8.5	8.5	33.9 33.9	33.9	98.9 99.0	99.0	6.5 6.5	6.5	6.5	3.0 3.1	3.0	3.5	19.3 19.2	19.3	10.4
				Middle	5.1	25.8 25.8	25.8	8.5 8.5	8.5	34.0 34.0	34.0	98.4 98.4	98.4	6.5 6.5	6.5		3.5 3.5	3.5		5.9 5.9	5.9	
				Bottom	9.1	25.7 25.7	25.7	8.5 8.5	8.5	34.0 34.0	34.0	98.2 98.1	98.2	6.5 6.5	6.5		3.9 3.8	3.9		6.1 6.2	6.2	
M5	Sunny	Moderate	15:54	Surface	1.1	25.9 25.9	25.9	8.5 8.5	8.5	34.0 34.0	34.0	97.6 97.6	97.6	6.4 6.4	6.4	6.5	4.0 3.9	4.0	3.4	31.1 30.7	30.9	15.9
				Middle	5.6	25.8 25.8	25.8	8.5 8.5	8.5	33.9 33.9	33.9	99.0 99.1	99.1	6.5 6.5	6.5		2.8 2.8	2.8		9.1 8.8	9.0	
				Bottom	10.1	25.8 25.8	25.8	8.3 8.3	8.3	33.9 33.9	33.9	99.1 99.0	99.1	6.5 6.5	6.5		3.3 3.3	3.3		7.8 7.7	7.8	
M6	Sunny	Moderate	15:36	Surface	-	-	-	-	-	-	-	-	-	-	6.5	-	-	3.2	-	-	5.0	
				Middle	2.1	25.9 25.9	25.9	8.4 8.4	8.4	33.9 33.9	33.9	98.2 98.2	98.2	6.5 6.5		6.5	3.1 3.2		3.2	5.1 4.9		5.0
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 11 November 2020 (Mid-Ebb Tide)

Parameter (unit)	Depth	Action Level	Limit Level
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 5.3 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 5.7 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 12.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 13.4 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 12.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 13.4 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 0.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 0.0 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 11 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Moderate	09:37	Surface	1.0	26.1 26.2	26.1	8.4 8.4	8.4	34.0 34.0	34.0	98.3 98.3	98.3	6.5 6.5	6.5	6.5	4.0 4.0	4.0	3.9	11.5 11.3	11.4	8.9
				Middle	9.1	26.0 25.9	26.0	8.4 8.4	8.4	34.0 34.0	34.0	98.2 98.2	98.2	6.5 6.5	6.5		4.7 4.7	4.7		7.0 7.1	7.1	
				Bottom	17.1	25.4 25.7	25.6	8.4 8.4	8.4	33.9 33.9	33.9	99.0 99.0	99.0	6.5 6.5	6.5		3.0 3.0	3.0		8.2 8.3	8.3	
C2	Sunny	Moderate	08:04	Surface	1.0	26.5 26.4	26.4	8.5 8.5	8.5	33.9 33.9	33.9	98.9 98.9	98.9	6.5 6.5	6.5	6.5	3.1 3.0	3.1	3.8	10.6 10.8	10.7	7.9
				Middle	16.5	25.9 25.8	25.8	8.5 8.5	8.5	34.0 34.0	34.0	98.4 98.4	98.4	6.5 6.5	6.5		3.8 3.8	3.8		7.2 7.1	7.2	
				Bottom	32.1	25.8 25.8	25.8	8.5 8.5	8.5	34.0 34.0	34.0	98.3 98.3	98.3	6.5 6.5	6.5		4.5 4.6	4.6		5.8 5.8	5.8	
G1	Sunny	Moderate	08:42	Surface	1.1	26.1 26.1	26.1	8.3 8.3	8.3	34.0 34.0	34.0	97.9 97.9	97.9	6.5 6.5	6.5	6.4	5.5 5.3	5.4	4.5	7.8 7.7	7.8	8.1
				Middle	4.0	26.1 26.1	26.1	8.3 8.3	8.3	34.0 34.0	34.0	97.7 97.7	97.7	6.4 6.4	6.4		4.9 4.6	4.8		8.1 8.2	8.2	
				Bottom	7.1	26.0 26.0	26.0	8.4 8.4	8.4	33.9 33.9	33.9	98.5 98.3	98.4	6.5 6.5	6.5		3.2 3.2	3.2		8.5 8.0	8.3	
G2	Sunny	Moderate	08:23	Surface	1.0	26.2 26.0	26.1	8.4 8.4	8.4	34.1 34.1	34.1	98.9 98.9	98.9	6.5 6.5	6.5	6.5	5.4 5.6	5.5	5.4	50.7 49.4	50.1	22.5
				Middle	5.0	26.1 26.0	26.0	8.4 8.4	8.4	34.1 34.1	34.1	98.5 98.6	98.6	6.5 6.5	6.5		5.9 6.0	6.0		6.3 6.3	6.3	
				Bottom	9.1	25.9 25.9	25.9	8.4 8.4	8.4	34.0 34.0	34.0	98.9 98.9	98.9	6.5 6.5	6.5		4.6 4.6	4.6		11.2 11.1	11.2	
G3	Sunny	Moderate	08:48	Surface	1.1	26.4 26.0	26.2	8.4 8.4	8.4	33.9 33.9	33.9	97.7 97.7	97.7	6.4 6.4	6.4	6.5	3.7 3.7	3.7	3.5	11.1 10.7	10.9	8.6
				Middle	4.1	26.0 26.0	26.0	8.4 8.4	8.4	34.1 34.1	34.1	98.1 98.1	98.1	6.5 6.5	6.5		3.9 3.8	3.9		7.6 7.5	7.6	
				Bottom	7.1	25.9 25.9	25.9	8.4 8.4	8.4	33.9 33.9	33.9	98.2 98.2	98.2	6.5 6.5	6.5		3.0 3.0	3.0		7.3 7.1	7.2	
G4	Sunny	Moderate	09:03	Surface	1.1	26.0 26.3	26.2	8.4 8.4	8.4	33.9 33.9	33.9	98.2 98.1	98.2	6.5 6.5	6.5	6.5	3.2 3.3	3.3	3.2	6.7 6.4	6.6	8.6
				Middle	4.0	26.0 26.0	26.0	8.5 8.5	8.5	34.0 34.0	34.0	97.8 97.7	97.8	6.5 6.5	6.5		3.9 3.8	3.8		8.2 8.0	8.1	
				Bottom	7.0	25.9 25.9	25.9	8.4 8.4	8.4	33.9 33.9	33.9	98.9 98.9	98.9	6.5 6.5	6.5		2.6 2.6	2.6		11.2 11.1	11.2	
M1	Sunny	Moderate	08:29	Surface	1.1	26.4 26.0	26.2	8.4 8.4	8.4	34.0 34.0	34.0	98.5 98.5	98.5	6.5 6.5	6.5	6.5	5.1 5.1	5.1	4.9	8.0 7.7	7.9	6.3
				Middle	3.1	26.2 26.1	26.1	8.4 8.4	8.4	34.1 34.1	34.1	98.3 98.3	98.3	6.5 6.5	6.5		5.5 5.5	5.5		4.4 4.2	4.3	
				Bottom	5.1	26.0 26.0	26.0	8.4 8.4	8.4	33.8 33.8	33.8	100.4 99.6	100.0	6.6 6.6	6.6		3.9 4.0	4.0		6.6 6.6	6.6	
M2	Sunny	Moderate	08:17	Surface	1.1	26.2 26.0	26.1	8.5 8.5	8.5	33.9 33.9	33.9	98.4 98.4	98.4	6.5 6.5	6.5	6.5	3.3 3.3	3.3	4.0	6.2 5.9	6.1	6.7
				Middle	5.5	25.9 26.0	26.0	8.5 8.5	8.5	34.0 34.0	34.0	98.0 98.0	98.0	6.5 6.5	6.5		4.1 4.1	4.1		7.4 7.2	7.3	
				Bottom	10.0	25.7 25.6	25.7	8.5 8.5	8.5	34.0 34.0	34.0	101.1 100.8	101.0	6.7 6.7	6.7		4.5 4.5	4.5		6.8 6.9	6.9	
M3	Sunny	Moderate	08:56	Surface	1.0	26.1 26.0	26.0	8.4 8.4	8.4	33.9 33.9	33.9	97.7 97.7	97.7	6.4 6.4	6.4	6.4	3.7 3.7	3.7	3.4	4.9 4.8	4.9	5.4
				Middle	4.1	26.0 26.0	26.0	8.4 8.4	8.4	34.0 34.0	34.0	97.6 97.6	97.6	6.4 6.4	6.4		3.9 3.9	3.9		6.4 6.3	6.4	
				Bottom	7.1	25.9 25.9	25.9	8.4 8.4	8.4	33.9 33.9	33.9	98.6 98.6	98.6	6.5 6.5	6.5		2.7 2.8	2.8		5.0 5.0	5.0	
M4	Sunny	Moderate	08:12	Surface	1.0	26.4 26.1	26.2	8.5 8.5	8.5	33.9 33.9	33.9	98.9 98.9	98.9	6.5 6.5	6.5	6.5	3.0 3.2	3.1	3.5	6.4 6.4	6.4	5.9
				Middle	5.1	26.0 26.0	26.0	8.5 8.5	8.5	34.0 34.0	34.0	98.4 98.4	98.4	6.5 6.5	6.5		3.6 3.5	3.6		5.7 5.7	5.7	
				Bottom	9.0	25.9 26.0	26.0	8.5 8.5	8.5	34.0 34.0	34.0	98.1 98.1	98.1	6.5 6.5	6.5		3.8 3.7	3.8		5.6 5.6	5.6	
M5	Sunny	Moderate	09:25	Surface	1.0	26.3 26.1	26.2	8.5 8.5	8.5	34.0 34.0	34.0	97.7 97.6	97.7	6.5 6.4	6.4	6.5	3.9 4.0	3.9	3.3	6.2 6.1	6.2	9.6
				Middle	6.0	26.1 26.1	26.1	8.5 8.5	8.5	33.9 33.9	33.9	99.0 99.0	99.0	6.5 6.5	6.5		2.7 2.7	2.7		10.5 10.6	10.6	
				Bottom	11.1	26.1 26.1	26.1	8.1 8.1	8.1	33.9 33.9	33.9	99.8 99.7	99.8	6.6 6.6	6.6		3.4 3.3	3.3		11.9 12.1	12.0	
M6	Sunny	Moderate	09:13	Surface	-	-	-	-	-	-	-	-	-	-	6.5	-	-	3.1	-	-	8.8	
				Middle	2.2	26.2 26.0	26.1	8.4 8.4	8.4	33.9 33.9	33.9	98.3 98.4	98.4	6.5 6.5		6.5	3.1 3.0		3.1	8.8 8.8		8.8
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 11 November 2020 (Mid-Flood Tide)

Parameter (unit)	Depth	Action Level	Limit Level
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.6 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.9 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 13.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 14.8 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 13.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 14.8 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 9.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 10.7 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 13 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)				pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
C1	Sunny	Calm	10:28	Surface	1.1	25.1	25.1	8.7	8.7	34.2	34.1	97.6	97.6	6.6	6.6	6.6	1.8	1.8	2.6	28.1	28.7	15.0		
				Middle	9.1	24.7	24.7	8.7	8.7	34.7	34.7	95.2	95.2	6.5	6.5		1.8	1.8		28.1	8.3			
				Bottom	17.1	24.2	24.2	8.7	8.7	35.4	35.4	90.6	90.6	6.2	6.2		3.5	3.6		7.9	8.1			
C2	Sunny	Calm	09:15	Surface	1.1	25.2	25.2	8.5	8.5	33.9	33.9	96.4	96.4	6.6	6.6	6.4	1.4	1.4	2.2	8.5	8.5	8.6		
				Middle	16.0	24.5	24.5	8.7	8.7	34.9	34.9	92.2	92.2	6.3	6.3		1.4	1.4		6.6	6.5			
				Bottom	31.0	24.4	24.4	8.7	8.7	35.1	35.1	91.6	91.6	6.3	6.3		2.8	2.8		10.9	10.8			
G1	Sunny	Calm	09:47	Surface	1.1	25.4	25.3	8.4	8.4	34.1	34.1	99.9	100.1	6.8	6.8	6.8	1.0	1.0	0.9	7.5	7.6	7.8		
				Middle	4.1	25.3	25.3	8.4	8.4	34.3	34.3	100.0	100.1	6.8	6.8		0.5	0.5		8.6	8.6			
				Bottom	7.0	24.8	24.8	8.4	8.4	34.6	34.6	98.2	98.0	6.7	6.7		1.2	1.2		7.2	7.2			
G2	Sunny	Calm	09:33	Surface	1.1	25.1	25.1	8.2	8.2	34.3	34.3	98.7	98.8	6.7	6.7	6.7	1.8	1.9	2.0	5.1	5.2	8.2		
				Middle	5.1	25.0	25.0	8.2	8.2	34.3	34.3	99.0	99.0	6.7	6.7		1.8	1.8		5.7	5.8			
				Bottom	9.0	24.4	24.4	8.3	8.3	35.2	35.2	95.3	95.3	6.5	6.5		2.3	2.3		13.5	13.5			
G3	Sunny	Calm	09:54	Surface	1.1	25.6	25.6	8.0	8.0	34.0	34.0	100.5	100.6	6.8	6.8	6.8	1.9	1.8	1.8	20.8	20.4	22.4		
				Middle	4.1	25.0	25.0	8.1	8.1	34.5	34.5	99.1	98.9	6.7	6.7		1.7	1.7		24.6	24.9			
				Bottom	7.1	24.6	24.6	8.1	8.1	34.9	35.0	96.5	95.9	6.6	6.6		2.0	2.0		22.0	22.1			
G4	Sunny	Calm	10:08	Surface	1.1	25.6	25.6	8.8	8.8	34.0	34.0	102.1	102.2	6.9	6.9	6.8	1.1	1.1	1.5	14.0	14.4	14.2		
				Middle	4.0	24.9	24.9	8.8	8.8	34.5	34.5	99.8	99.9	6.8	6.8		2.1	2.1		9.9	10.1			
				Bottom	7.1	24.4	24.4	8.8	8.8	35.1	35.2	95.8	95.7	6.6	6.5		1.4	1.4		17.9	18.2			
M1	Sunny	Calm	09:40	Surface	1.0	26.0	25.9	8.1	8.1	33.9	33.9	99.0	99.0	6.6	6.6	6.7	1.7	1.7	1.7	6.6	6.6	6.6		
				Middle	3.1	25.5	25.5	8.1	8.1	34.1	34.1	98.8	98.9	6.7	6.7		1.6	1.6		6.6	6.6			
				Bottom	5.1	25.2	25.2	8.1	8.1	34.3	34.3	98.8	98.9	6.7	6.7		1.9	1.8		6.5	6.7			
M2	Sunny	Calm	09:27	Surface	1.1	24.9	24.9	8.2	8.2	34.5	34.5	97.2	97.1	6.6	6.6	6.6	1.8	1.8	1.9	3.8	3.8	5.3		
				Middle	6.1	24.8	24.8	8.2	8.2	34.5	34.5	96.8	96.9	6.6	6.6		2.2	2.2		5.0	5.1			
				Bottom	11.0	24.6	24.6	8.2	8.2	34.8	34.8	96.4	96.4	6.6	6.6		1.9	1.9		7.0	7.0			
M3	Sunny	Calm	10:00	Surface	1.1	25.6	25.5	8.8	8.8	34.1	34.2	99.2	99.3	6.7	6.7	6.6	2.2	2.2	1.9	6.6	6.7	6.6		
				Middle	4.1	24.7	24.7	8.9	8.9	34.8	34.8	96.0	95.9	6.5	6.5		2.0	2.0		6.5	6.4			
				Bottom	7.1	24.4	24.4	8.9	8.9	35.1	35.1	94.0	93.8	6.4	6.4		1.5	1.5		6.8	6.7			
M4	Sunny	Calm	09:21	Surface	1.1	24.7	24.7	8.3	8.3	34.7	34.7	93.5	93.6	6.4	6.4	6.3	2.4	2.4	3.1	12.6	12.7	8.0		
				Middle	5.1	24.3	24.3	8.2	8.2	35.2	35.2	91.6	91.6	6.3	6.3		3.2	3.2		5.0	5.1			
				Bottom	9.0	24.3	24.3	8.2	8.2	35.3	35.3	91.3	91.3	6.3	6.3		3.5	3.5		6.4	6.4			
M5	Sunny	Calm	10:22	Surface	1.1	26.3	26.3	8.7	8.7	33.4	33.4	108.7	108.9	7.3	7.3	7.1	1.4	1.4	1.3	5.4	5.5	7.5		
				Middle	6.1	25.2	25.2	8.7	8.7	34.0	34.0	100.7	100.6	6.8	6.8		1.5	1.5		6.9	6.8			
				Bottom	11.1	24.9	24.9	8.7	8.7	34.3	34.3	98.4	98.4	6.7	6.7		0.9	0.9		10.1	10.3			
M6	Sunny	Calm	10:16	Surface	-	-	-	-	-	-	-	-	-	-	6.9	-	-	1.5	-	-	36.1			
				Middle	2.1	25.3	25.3	8.7	8.7	33.7	33.8	101.8	101.6	6.9		6.9	1.5		1.5	36.4		36.1		
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	-	

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 13 November 2020 (Mid-Ebb Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 3.3 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 3.6 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 10.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 11.0 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 10.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 11.0 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 12.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 14.0 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 13 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	16:48	Surface	1.1	25.1 25.1	25.1	8.7 8.7	8.7	34.1 34.1	34.1	97.6 97.7	97.7	6.6 6.6	6.6	6.6	1.8 1.8	1.8	2.6	8.5 8.9	8.7	7.5
				Middle	9.0	24.7 24.7	24.7	8.7 8.7	8.7	34.7 34.7	34.7	95.2 95.2	95.2	6.5 6.5	6.5		2.4 2.4	2.4		7.5 7.5	7.5	
				Bottom	17.1	24.2 24.2	24.2	8.8 8.8	8.8	35.4 35.5	35.4	90.5 90.5	90.5	6.2 6.2	6.2		3.7 3.7	3.7		6.3 6.3	6.3	
C2	Sunny	Calm	15:32	Surface	1.0	25.2 25.2	25.2	8.5 8.5	8.5	33.9 33.8	33.8	96.5 96.5	96.5	6.6 6.6	6.6	6.4	1.4 1.3	1.3	2.3	6.2 6.3	6.3	6.2
				Middle	16.0	24.5 24.5	24.5	8.7 8.7	8.7	34.9 35.0	35.0	92.0 92.0	92.0	6.3 6.3	6.3		2.6 2.6	2.6		5.6 5.8	5.7	
				Bottom	31.1	24.4 24.4	24.4	8.7 8.7	8.7	35.2 35.2	35.2	91.4 91.4	91.4	6.3 6.3	6.3		3.0 3.0	3.0		6.6 6.5	6.6	
G1	Sunny	Calm	16:06	Surface	1.1	25.3 25.3	25.3	8.4 8.4	8.4	34.1 34.1	34.1	100.4 100.4	100.4	6.8 6.8	6.8	6.8	1.0 1.0	1.0	1.0	9.6 9.9	9.8	7.5
				Middle	4.1	25.3 25.3	25.3	8.4 8.4	8.4	34.3 34.3	34.3	100.1 100.1	100.1	6.8 6.8	6.8		0.5 0.5	0.5		7.8 7.6	7.7	
				Bottom	7.0	24.8 24.8	24.8	8.4 8.4	8.4	34.7 34.7	34.7	97.9 97.9	97.9	6.7 6.7	6.7		1.6 1.6	1.6		5.1 4.8	5.0	
G2	Sunny	Calm	15:51	Surface	1.0	25.1 25.1	25.1	8.2 8.2	8.2	34.3 34.3	34.3	98.9 98.9	98.9	6.7 6.7	6.7	6.7	1.9 2.0	2.0	2.0	7.2 7.5	7.4	7.3
				Middle	5.1	25.0 25.0	25.0	8.3 8.3	8.3	34.3 34.3	34.3	99.1 99.1	99.1	6.7 6.7	6.7		1.8 1.8	1.8		7.3 7.4	7.4	
				Bottom	9.0	24.4 24.4	24.4	8.3 8.3	8.3	35.2 35.2	35.2	95.2 95.2	95.2	6.5 6.5	6.5		2.3 2.3	2.3		7.1 7.0	7.1	
G3	Sunny	Calm	16:13	Surface	1.1	25.6 25.6	25.6	8.0 8.0	8.0	34.0 34.0	34.0	100.7 100.9	100.8	6.8 6.8	6.8	6.8	1.7 1.8	1.7	1.6	5.8 5.8	5.8	7.2
				Middle	4.1	24.9 24.9	24.9	8.1 8.1	8.1	34.6 34.6	34.6	98.7 98.6	98.7	6.7 6.7	6.7		1.8 1.7	1.8		6.8 6.9	6.9	
				Bottom	7.1	24.5 24.5	24.5	8.1 8.1	8.1	35.1 35.1	35.1	95.5 95.2	95.4	6.5 6.5	6.5		1.2 1.3	1.3		8.9 9.0	9.0	
G4	Sunny	Calm	16:26	Surface	1.1	25.6 25.6	25.6	8.8 8.8	8.8	34.0 34.0	34.0	102.2 102.2	102.2	6.9 6.9	6.9	6.8	1.1 1.1	1.1	1.5	5.8 5.6	5.7	7.0
				Middle	4.0	24.9 24.9	24.9	8.8 8.8	8.8	34.5 34.5	34.5	99.9 99.9	99.9	6.8 6.8	6.8		2.1 2.1	2.1		5.4 5.6	5.5	
				Bottom	7.1	24.4 24.4	24.4	8.8 8.8	8.8	35.1 35.1	35.1	95.6 95.6	95.6	6.5 6.5	6.5		1.2 1.2	1.2		9.8 9.8	9.8	
M1	Sunny	Calm	15:59	Surface	1.0	25.9 25.9	25.9	8.1 8.1	8.1	33.9 33.9	33.9	98.9 98.9	98.9	6.6 6.6	6.6	6.7	1.6 1.6	1.6	1.7	8.8 8.6	8.7	9.1
				Middle	3.1	25.5 25.5	25.5	8.1 8.1	8.1	34.1 34.1	34.1	98.9 98.9	98.9	6.7 6.7	6.7		1.7 1.6	1.7		9.0 9.1	9.1	
				Bottom	5.1	25.3 25.3	25.3	8.1 8.1	8.1	34.3 34.3	34.3	98.9 98.8	98.9	6.7 6.7	6.7		1.9 1.8	1.8		9.5 9.6	9.6	
M2	Sunny	Calm	15:45	Surface	1.1	24.9 24.9	24.9	8.2 8.2	8.2	34.5 34.5	34.5	97.0 96.9	97.0	6.6 6.6	6.6	6.6	1.8 1.8	1.8	1.9	7.1 7.2	7.2	8.0
				Middle	6.1	24.8 24.8	24.8	8.2 8.2	8.2	34.5 34.5	34.5	96.9 96.9	96.9	6.6 6.6	6.6		2.2 2.3	2.3		6.7 6.7	6.7	
				Bottom	11.1	24.6 24.6	24.6	8.2 8.2	8.2	34.8 34.8	34.8	96.3 96.3	96.3	6.6 6.6	6.6		1.8 1.8	1.8		9.8 10.2	10.0	
M3	Sunny	Calm	16:19	Surface	1.1	25.4 25.4	25.4	8.8 8.8	8.8	34.3 34.3	34.3	99.4 99.5	99.5	6.7 6.7	6.7	6.6	2.2 2.2	2.2	1.9	5.6 5.6	5.6	6.1
				Middle	4.1	24.7 24.7	24.7	8.9 8.9	8.9	34.8 34.8	34.8	95.9 95.9	95.9	6.5 6.5	6.5		2.0 2.0	2.0		6.9 6.7	6.8	
				Bottom	7.1	24.4 24.4	24.4	8.9 8.9	8.9	35.1 35.1	35.1	93.4 93.4	93.4	6.4 6.4	6.4		1.5 1.4	1.5		6.1 5.9	6.0	
M4	Sunny	Calm	15:39	Surface	1.0	24.7 24.8	24.7	8.3 8.2	8.2	34.6 34.6	34.6	93.8 93.9	93.9	6.4 6.4	6.4	6.3	2.3 2.3	2.3	3.0	7.8 8.0	7.9	6.9
				Middle	5.0	24.3 24.3	24.3	8.2 8.2	8.2	35.2 35.2	35.2	91.6 91.6	91.6	6.3 6.3	6.3		3.1 3.1	3.1		5.4 5.2	5.3	
				Bottom	9.0	24.3 24.3	24.3	8.2 8.2	8.2	35.3 35.3	35.3	91.3 91.3	91.3	6.3 6.3	6.3		3.5 3.5	3.5		7.4 7.7	7.6	
M5	Sunny	Calm	16:41	Surface	1.1	26.2 26.2	26.2	8.7 8.7	8.7	33.4 33.4	33.4	109.4 110.3	109.9	7.3 7.4	7.4	7.1	1.4 1.4	1.4	1.3	5.9 6.1	6.0	7.7
				Middle	6.1	25.2 25.2	25.2	8.7 8.7	8.7	34.0 34.1	34.0	100.4 100.2	100.3	6.8 6.8	6.8		1.5 1.5	1.5		12.2 11.9	12.1	
				Bottom	11.1	24.9 24.9	24.9	8.7 8.7	8.7	34.3 34.3	34.3	98.4 98.4	98.4	6.7 6.7	6.7		0.9 0.9	0.9		5.1 4.8	5.0	
M6	Sunny	Calm	16:35	Surface	-	-	-	-	-	-	-	-	-	-	6.8	-	-	1.7	-	-	6.0	
				Middle	2.1	25.3 25.3	25.3	8.7 8.7	8.7	34.1 34.1	34.1	100.2 100.0	100.1	6.8 6.8		6.8	1.7 1.7		1.7	6.1 5.9		6.0
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 13 November 2020 (Mid-Flood Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.4 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.8 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 10.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 11.3 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 10.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 11.3 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 7.5 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 8.1 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 16 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value
C1	Sunny	Moderate	13:37	Surface	1.1	24.0 24.0	24.0	8.4 8.4	8.4	33.2 33.2	33.2	91.4 91.2	91.3	6.4 6.4	6.4	6.3	1.5 1.5	1.5	2.3	10.1 9.7	9.9	9.7
				Middle	9.0	23.3 23.3	23.3	8.4 8.4	8.4	34.5 34.5	34.5	90.5 90.6	90.6	6.3 6.3	6.3		2.6 2.6	2.6		9.4 9.8	9.6	
				Bottom	17.1	23.3 23.3	23.3	8.4 8.4	8.4	34.5 34.5	34.5	90.6 90.6	90.6	6.3 6.3	6.3		2.8 2.9	2.8		9.5 9.5	9.5	
C2	Sunny	Moderate	12:25	Surface	1.1	24.1 24.1	24.1	8.3 8.3	8.3	32.9 32.9	32.9	89.9 89.3	89.6	6.3 6.2	6.2	6.2	2.4 2.4	2.4	2.9	14.4 14.6	14.5	9.7
				Middle	16.0	23.4 23.4	23.4	8.4 8.4	8.4	34.2 34.2	34.2	88.5 88.7	88.6	6.2 6.2	6.2		3.1 3.1	3.1		6.8 7.0	6.9	
				Bottom	31.1	23.3 23.3	23.3	8.4 8.4	8.4	34.4 34.4	34.4	90.1 90.2	90.2	6.3 6.3	6.3		3.2 3.2	3.2		7.6 7.7	7.7	
G1	Sunny	Moderate	12:57	Surface	1.0	24.2 24.1	24.2	8.4 8.4	8.4	33.9 33.9	33.9	94.5 94.4	94.5	6.5 6.5	6.5	6.5	2.5 2.5	2.5	2.3	7.6 7.4	7.5	10.7
				Middle	4.1	23.7 23.7	23.7	8.4 8.4	8.4	34.1 34.1	34.1	92.3 92.3	92.3	6.4 6.4	6.4		2.1 2.1	2.1		15.7 15.5	15.6	
				Bottom	7.0	23.6 23.6	23.6	8.4 8.4	8.4	34.3 34.3	34.3	91.8 91.8	91.8	6.4 6.4	6.4		2.3 2.3	2.3		8.9 9.1	9.0	
G2	Sunny	Moderate	12:45	Surface	1.1	24.1 24.1	24.1	8.4 8.4	8.4	34.1 34.1	34.1	95.4 95.4	95.4	6.6 6.6	6.6	6.6	1.3 1.3	1.3	1.4	5.5 5.8	5.7	7.4
				Middle	5.0	23.6 23.4	23.5	8.4 8.4	8.4	34.3 34.4	34.3	93.9 93.5	93.7	6.5 6.5	6.5		1.2 1.2	1.2		7.8 7.8	7.8	
				Bottom	9.0	23.2 23.2	23.2	8.4 8.4	8.4	34.7 34.7	34.7	92.9 92.9	92.9	6.5 6.5	6.5		1.7 1.9	1.8		8.5 8.7	8.6	
G3	Sunny	Moderate	13:03	Surface	1.1	24.3 24.3	24.3	8.4 8.4	8.4	33.9 33.9	33.9	94.9 94.9	94.9	6.6 6.6	6.6	6.5	1.4 1.4	1.4	1.9	26.6 26.3	26.5	18.9
				Middle	4.0	23.6 23.5	23.6	8.4 8.4	8.4	34.3 34.4	34.3	92.0 91.5	91.8	6.4 6.4	6.4		2.0 2.1	2.1		21.6 21.8	21.7	
				Bottom	7.0	23.3 23.3	23.3	8.5 8.5	8.5	34.6 34.6	34.6	91.5 91.5	91.5	6.4 6.4	6.4		2.3 2.3	2.3		8.4 8.4	8.4	
G4	Sunny	Moderate	13:16	Surface	1.0	24.5 24.5	24.5	8.4 8.4	8.4	33.8 33.8	33.8	96.1 96.0	96.1	6.6 6.6	6.6	6.5	1.4 1.4	1.4	1.6	8.6 8.5	8.6	9.3
				Middle	4.1	24.2 24.2	24.2	8.4 8.4	8.4	33.9 33.9	33.9	93.7 93.7	93.7	6.5 6.5	6.5		2.0 2.0	2.0		13.2 13.0	13.1	
				Bottom	7.1	23.3 23.3	23.3	8.5 8.5	8.5	34.5 34.6	34.5	91.6 91.8	91.7	6.4 6.4	6.4		1.5 1.5	1.5		6.3 6.4	6.4	
M1	Sunny	Moderate	12:50	Surface	1.0	24.0 24.0	24.0	8.4 8.4	8.4	34.0 34.0	34.0	93.5 93.3	93.4	6.5 6.5	6.5	6.4	1.6 1.6	1.6	2.8	6.8 7.1	7.0	6.9
				Middle	3.1	24.0 24.0	24.0	8.4 8.4	8.4	34.0 34.1	34.0	92.7 92.7	92.7	6.4 6.4	6.4		1.6 1.7	1.6		5.0 5.0	5.0	
				Bottom	5.0	23.7 23.6	23.6	8.4 8.4	8.4	34.2 34.3	34.2	91.4 91.1	91.3	6.4 6.4	6.4		5.1 5.2	5.2		8.7 9.0	8.9	
M2	Sunny	Moderate	12:38	Surface	1.1	23.6 23.6	23.6	8.4 8.4	8.4	34.3 34.3	34.3	94.5 94.5	94.5	6.6 6.6	6.6	6.5	1.2 1.2	1.2	2.0	7.2 7.4	7.3	5.8
				Middle	6.0	23.2 23.2	23.2	8.4 8.4	8.4	34.7 34.7	34.7	92.8 92.8	92.8	6.5 6.5	6.5		1.8 1.9	1.8		5.5 5.5	5.5	
				Bottom	11.0	23.2 23.1	23.1	8.4 8.4	8.4	34.9 34.9	34.9	92.2 92.2	92.2	6.5 6.5	6.5		2.7 3.0	2.9		4.5 4.6	4.6	
M3	Sunny	Moderate	13:10	Surface	1.1	24.2 24.2	24.2	8.4 8.4	8.4	33.6 33.6	33.6	93.4 93.3	93.4	6.5 6.5	6.5	6.4	1.6 1.6	1.6	1.7	6.4 6.3	6.4	6.1
				Middle	4.1	23.5 23.5	23.5	8.5 8.5	8.5	34.3 34.3	34.3	90.0 89.9	90.0	6.3 6.3	6.3		1.6 1.7	1.7		5.1 4.9	5.0	
				Bottom	7.1	23.2 23.2	23.2	8.5 8.5	8.5	34.7 34.7	34.7	90.8 90.8	90.8	6.4 6.4	6.4		1.8 1.7	1.7		6.9 6.8	6.9	
M4	Sunny	Moderate	12:31	Surface	1.1	23.7 23.7	23.7	8.7 8.7	8.7	34.1 34.1	34.1	92.6 92.4	92.5	6.5 6.4	6.4	6.4	2.4 2.4	2.4	2.5	8.0 8.1	8.1	7.4
				Middle	5.0	23.5 23.5	23.5	8.7 8.7	8.7	34.2 34.2	34.2	91.1 91.2	91.2	6.4 6.4	6.4		2.5 2.5	2.5		6.4 6.4	6.4	
				Bottom	9.1	23.3 23.3	23.3	8.5 8.5	8.5	34.6 34.7	34.6	92.5 92.5	92.5	6.5 6.5	6.5		2.4 2.4	2.4		7.9 7.8	7.9	
M5	Sunny	Moderate	13:30	Surface	1.1	23.8 23.8	23.8	8.4 8.4	8.4	34.2 34.2	34.2	94.6 94.5	94.6	6.6 6.6	6.6	6.5	1.3 1.3	1.3	1.5	8.4 8.4	8.4	9.1
				Middle	6.1	23.5 23.5	23.5	8.4 8.4	8.4	34.2 34.2	34.2	92.2 92.2	92.2	6.4 6.4	6.4		1.8 1.9	1.8		4.7 4.6	4.7	
				Bottom	11.1	23.2 23.2	23.2	8.4 8.4	8.4	34.6 34.7	34.6	90.9 90.7	90.8	6.4 6.4	6.4		1.4 1.6	1.5		14.2 14.1	14.2	
M6	Sunny	Moderate	13:22	Surface	-	-	-	-	-	-	-	-	-	-	6.6	-	-	1.2	-	-	7.4	
				Middle	2.0	24.5 24.4	24.4	8.4 8.4	8.4	33.7 33.8	33.7	95.8 95.3	95.6	6.6 6.6		6.6	1.2 1.2		1.2	7.3 7.4		7.4
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 16 November 2020 (Mid-Ebb Tide)

Parameter (unit)	Depth	Action Level	Limit Level
DO in mg/L (See Note 1 and 4)	Stations G1-G4, M1-M5		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	Station M6		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	Stations G1-G4, M1-M5		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 3.8 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 4.1 NTU</u>
	Station M6		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	Stations G1-G4		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 17.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 18.9 mg/L</u>
	Stations M1-M5		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 17.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 18.9 mg/L</u>
	Stations G1-G4, M1-M5		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 9.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 9.9 mg/L</u>
	Station M6		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 16 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity (NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Moderate	08:53	Surface	1.1	23.9 23.8	23.9	8.3 8.4	8.3	33.6 33.7	33.7	92.9 92.7	92.8	6.5 6.5	6.5	6.4	1.4 1.4	1.4	1.8	4.5 4.4	4.5	6.3
				Middle	9.0	23.5 23.5	23.5	8.4 8.4	8.4	34.0 34.0	34.0	91.8 91.8	91.8	6.4 6.4	6.4		1.6 1.6	1.6		7.4 7.5	7.5	
				Bottom	17.1	23.1 23.1	23.1	8.4 8.4	8.4	35.1 35.1	35.1	93.3 93.3	93.3	6.5 6.5	6.5		2.5 2.4	2.5		6.9 6.8	6.9	
C2	Sunny	Moderate	07:45	Surface	1.1	23.7 23.7	23.7	8.4 8.4	8.4	33.9 33.9	33.9	93.4 93.3	93.4	6.5 6.5	6.5	6.5	1.4 1.4	1.4	2.3	7.9 7.8	7.9	7.5
				Middle	16.0	23.1 23.1	23.1	8.4 8.4	8.4	34.9 35.0	34.9	91.5 91.6	91.6	6.4 6.4	6.4		2.4 2.5	2.4		7.4 7.4	7.4	
				Bottom	31.1	23.0 23.0	23.0	8.4 8.4	8.4	35.1 35.1	35.1	92.4 92.5	92.5	6.5 6.5	6.5		3.0 2.9	2.9		7.2 7.3	7.3	
G1	Sunny	Moderate	08:17	Surface	1.0	23.7 23.8	23.8	8.3 8.3	8.3	33.8 33.8	33.8	93.3 93.0	93.2	6.5 6.5	6.5	6.4	1.6 1.6	1.6	2.0	6.5 6.4	6.5	6.9
				Middle	4.1	23.7 23.7	23.7	8.4 8.4	8.4	33.8 33.8	33.8	90.6 90.6	90.6	6.3 6.3	6.3		1.7 1.7	1.7		7.6 7.7	7.7	
				Bottom	7.1	23.2 23.2	23.2	8.4 8.4	8.4	34.6 34.6	34.6	91.0 91.0	91.0	6.4 6.4	6.4		3.0 2.7	2.8		6.6 6.5	6.6	
G2	Sunny	Moderate	08:04	Surface	1.0	23.8 23.8	23.8	8.4 8.4	8.4	33.8 33.8	33.8	92.1 92.0	92.1	6.4 6.4	6.4	6.4	1.4 1.4	1.4	2.1	6.6 6.6	6.6	8.9
				Middle	5.1	23.3 23.2	23.3	8.4 8.4	8.4	34.4 34.5	34.5	91.1 91.3	91.2	6.4 6.4	6.4		2.0 2.0	2.0		12.0 12.5	12.3	
				Bottom	9.1	23.2 23.2	23.2	8.5 8.5	8.5	34.9 34.9	34.9	92.8 93.0	92.9	6.5 6.5	6.5		2.9 3.0	3.0		7.8 7.8	7.8	
G3	Sunny	Moderate	08:22	Surface	1.1	23.8 23.8	23.8	8.3 8.3	8.3	33.7 33.7	33.7	91.0 90.8	90.9	6.3 6.3	6.3	6.3	1.4 1.4	1.4	2.0	8.6 8.7	8.7	10.4
				Middle	4.1	23.5 23.5	23.5	8.4 8.4	8.4	34.0 34.0	34.0	90.2 90.2	90.2	6.3 6.3	6.3		1.6 1.6	1.6		8.5 8.4	8.5	
				Bottom	7.1	23.4 23.3	23.3	8.4 8.4	8.4	34.2 34.5	34.3	90.1 90.3	90.2	6.3 6.3	6.3		2.7 3.0	2.9		14.1 14.1	14.1	
G4	Sunny	Moderate	08:35	Surface	1.1	24.1 24.1	24.1	8.3 8.3	8.3	33.3 33.3	33.3	93.6 93.5	93.6	6.5 6.5	6.5	6.4	2.7 2.8	2.7	2.5	8.7 8.8	8.8	6.4
				Middle	4.1	23.5 23.5	23.5	8.4 8.4	8.4	34.0 34.0	34.0	90.1 90.1	90.1	6.3 6.3	6.3		1.4 1.4	1.4		4.7 4.8	4.8	
				Bottom	7.1	23.2 23.1	23.1	8.4 8.4	8.4	34.7 34.7	34.7	90.2 90.8	90.5	6.3 6.4	6.3		3.2 3.5	3.4		5.8 5.7	5.8	
M1	Sunny	Moderate	08:11	Surface	1.1	23.8 23.7	23.8	8.4 8.4	8.4	33.9 33.9	33.9	91.4 91.1	91.3	6.4 6.3	6.4	6.3	1.9 1.9	1.9	2.1	6.1 6.2	6.2	7.1
				Middle	3.0	23.2 23.2	23.2	8.4 8.4	8.4	34.5 34.5	34.5	89.8 89.9	89.9	6.3 6.3	6.3		2.2 2.1	2.2		6.4 6.5	6.5	
				Bottom	5.0	23.1 23.1	23.1	8.4 8.4	8.4	34.8 34.8	34.8	90.8 90.8	90.8	6.4 6.4	6.4		2.3 2.4	2.3		8.6 8.6	8.6	
M2	Sunny	Moderate	07:58	Surface	1.0	23.5 23.5	23.5	8.4 8.4	8.4	34.3 34.3	34.3	93.9 93.5	93.7	6.6 6.5	6.5	6.5	1.6 1.6	1.6	2.1	38.1 36.8	37.5	30.6
				Middle	6.0	23.3 23.3	23.3	8.4 8.4	8.4	34.4 34.4	34.4	92.6 92.6	92.6	6.5 6.5	6.5		1.5 1.5	1.5		37.7 36.8	37.3	
				Bottom	11.1	23.2 23.1	23.2	8.5 8.5	8.5	34.9 34.9	34.9	93.1 93.3	93.2	6.5 6.5	6.5		3.1 3.3	3.2		16.6 17.3	17.0	
M3	Sunny	Moderate	08:29	Surface	1.1	23.7 23.7	23.7	8.3 8.3	8.3	33.9 33.9	33.9	89.3 89.4	89.4	6.2 6.2	6.2	6.2	1.4 1.5	1.5	2.3	6.8 6.9	6.9	9.7
				Middle	4.1	23.4 23.4	23.4	8.3 8.3	8.3	34.2 34.2	34.2	87.6 87.5	87.6	6.1 6.1	6.1		2.5 2.5	2.5		16.8 16.2	16.5	
				Bottom	7.0	23.3 23.3	23.3	8.4 8.4	8.4	34.4 34.4	34.4	87.6 88.0	87.8	6.1 6.2	6.1		3.0 3.1	3.0		5.8 5.7	5.8	
M4	Sunny	Moderate	07:51	Surface	1.1	23.5 23.5	23.5	8.7 8.6	8.6	34.2 34.2	34.2	93.7 92.8	93.3	6.5 6.5	6.5	6.5	1.4 1.4	1.4	1.7	6.2 6.2	6.2	5.4
				Middle	5.0	23.4 23.4	23.4	8.8 8.5	8.6	34.3 34.3	34.3	92.4 92.3	92.4	6.5 6.5	6.5		1.6 1.6	1.6		5.2 5.2	5.2	
				Bottom	9.1	23.3 23.3	23.3	8.8 8.5	8.7	34.6 34.6	34.6	92.6 92.5	92.6	6.5 6.5	6.5		2.0 2.1	2.1		4.6 4.8	4.7	
M5	Sunny	Moderate	08:46	Surface	1.1	23.8 23.8	23.8	8.4 8.4	8.4	33.7 33.7	33.7	92.4 92.4	92.4	6.4 6.4	6.4	6.4	1.4 1.4	1.4	2.1	7.8 8.1	8.0	10.6
				Middle	6.1	23.4 23.4	23.4	8.4 8.4	8.4	34.2 34.2	34.2	91.1 91.1	91.1	6.4 6.4	6.4		1.9 1.9	1.9		12.5 12.7	12.6	
				Bottom	11.0	23.1 23.1	23.1	8.4 8.4	8.4	35.0 35.0	35.0	92.1 92.2	92.2	6.4 6.5	6.4		2.8 2.9	2.9		10.8 11.4	11.1	
M6	Sunny	Moderate	08:41	Surface	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	2.9	-	-	8.6
				Middle	2.0	23.5 23.4	23.4	8.3 8.3	8.3	34.1 34.1	34.1	88.9 88.9	88.9	6.2 6.2	6.2		2.8 2.9	2.9		8.6 8.6	8.6	
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 16 November 2020 (Mid-Flood Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 2.9 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.2 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 5.3 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.8 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 5.3 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.8 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 8.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 8.9 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 18 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Sunny	moderate	14:56	Surface	1.1	21.1 21.0	21.1	8.5 8.5	8.5	33.1 33.1	33.1	109.6 110.3	110.0	7.8 7.8	7.8	7.8	7.8	2.0 2.0	2.0	2.2	4.8 4.9	4.9	5.9
				Middle	9.1	20.9 21.8	21.4	8.5 8.5	8.5	33.2 33.2	33.2	109.6 109.7	109.7	7.8 7.8	7.8	7.8	7.8	2.2 2.1	2.1	2.2	7.4 7.7	7.6	
				Bottom	17.1	20.9 20.9	20.9	8.5 8.5	8.5	33.3 33.3	33.3	106.8 106.3	106.6	7.6 7.6	7.6	7.6	7.6	2.5 2.5	2.5	2.2	5.3 5.2	5.3	
C2	Sunny	moderate	13:10	Surface	1.1	21.2 20.9	21.1	8.6 8.6	8.6	33.2 33.2	33.2	110.0 110.1	110.1	7.8 7.8	7.8	7.8	7.8	2.0 2.0	2.0	2.0	9.5 9.2	9.4	28.4
				Middle	16.5	20.9 20.9	20.9	8.7 8.7	8.7	33.2 33.2	33.2	109.7 109.8	109.8	7.8 7.8	7.8	7.8	7.8	2.0 2.1	2.0	2.0	36.6 36.7	36.7	
				Bottom	32.0	20.9 20.9	20.9	8.7 8.7	8.7	33.2 33.2	33.2	108.8 108.7	108.8	7.7 7.7	7.7	7.7	7.7	1.9 1.8	1.8	7.7	39.3 38.8	39.1	
G1	Sunny	moderate	13:50	Surface	1.1	21.3 20.9	21.1	8.6 8.6	8.6	33.2 33.2	33.2	110.4 110.5	110.5	7.8 7.8	7.8	7.8	7.8	2.0 2.1	2.0	2.1	8.5 8.7	8.6	9.3
				Middle	4.1	20.9 20.9	20.9	8.5 8.5	8.5	33.2 33.2	33.2	110.3 110.4	110.4	7.8 7.8	7.8	7.8	7.8	2.2 2.1	2.1	2.1	12.4 12.7	12.6	
				Bottom	7.0	20.8 20.8	20.8	8.5 8.6	8.5	33.3 33.3	33.3	108.6 108.2	108.4	7.7 7.7	7.7	7.7	7.7	2.2 2.3	2.3	2.3	6.8 6.6	6.7	
G2	Sunny	moderate	13:30	Surface	1.1	21.9 20.9	21.4	8.6 8.6	8.6	33.2 33.2	33.2	109.8 110.3	110.1	7.8 7.8	7.8	7.8	7.8	2.1 2.1	2.1	2.1	5.4 5.5	5.5	5.5
				Middle	5.0	20.9 20.9	20.9	8.6 8.6	8.6	33.2 33.2	33.2	110.0 110.1	110.1	7.8 7.8	7.8	7.8	7.8	2.0 2.0	2.0	2.1	4.7 4.8	4.8	
				Bottom	9.0	20.8 20.9	20.8	8.6 8.6	8.6	33.3 33.3	33.3	107.8 107.4	107.6	7.7 7.6	7.6	7.6	7.6	2.3 2.3	2.3	2.3	6.2 6.3	6.3	
G3	Sunny	moderate	13:58	Surface	1.0	21.5 20.9	21.2	8.5 8.5	8.5	33.2 33.2	33.2	110.0 110.4	110.2	7.8 7.8	7.8	7.8	7.8	1.9 1.9	1.9	1.9	6.0 5.9	6.0	11.7
				Middle	4.1	20.9 20.9	20.9	8.5 8.5	8.5	33.2 33.2	33.2	110.7 110.8	110.8	7.9 7.9	7.9	7.9	7.9	1.9 1.9	1.9	1.9	19.5 19.7	19.6	
				Bottom	7.0	20.7 20.8	20.8	8.5 8.5	8.5	33.2 33.2	33.2	109.1 108.9	109.0	7.7 7.7	7.7	7.7	7.7	2.0 2.0	2.0	2.0	9.6 9.6	9.6	
G4	Sunny	moderate	14:11	Surface	1.1	21.8 21.0	21.4	8.5 8.5	8.5	33.1 33.1	33.1	111.3 111.5	111.4	7.9 7.9	7.9	7.9	7.9	1.7 1.7	1.7	1.7	8.5 8.2	8.4	7.3
				Middle	4.0	21.0 21.0	21.0	8.5 8.5	8.5	33.2 33.1	33.1	111.3 111.5	111.4	7.9 7.9	7.9	7.9	7.9	1.8 1.8	1.8	1.8	8.4 8.2	8.3	
				Bottom	7.0	20.9 20.9	20.9	8.5 8.5	8.5	33.2 33.2	33.2	109.2 109.0	109.1	7.8 7.7	7.7	7.7	7.7	2.3 2.3	2.3	2.3	5.4 5.3	5.4	
M1	Sunny	moderate	13:36	Surface	1.1	21.2 21.1	21.1	8.6 8.6	8.6	33.2 33.2	33.2	110.5 110.6	110.6	7.8 7.8	7.8	7.8	7.8	2.1 2.1	2.1	2.1	7.8 7.7	7.8	6.8
				Middle	3.0	20.8 21.0	20.9	8.6 8.6	8.6	33.2 33.2	33.2	110.6 110.6	110.6	7.8 7.8	7.8	7.8	7.8	2.1 2.1	2.1	2.1	5.4 5.6	5.5	
				Bottom	5.1	20.8 20.8	20.8	8.6 8.6	8.6	33.2 33.2	33.2	110.0 110.0	110.0	7.8 7.8	7.8	7.8	7.8	1.9 1.9	1.9	1.9	7.0 7.1	7.1	
M2	Sunny	moderate	13:25	Surface	1.0	21.5 20.9	21.2	8.7 8.7	8.7	33.2 33.2	33.2	110.3 110.4	110.4	7.8 7.8	7.8	7.8	7.8	2.1 2.1	2.1	2.1	9.7 9.6	9.7	8.0
				Middle	5.5	20.8 20.9	20.9	8.7 8.7	8.7	33.2 33.2	33.2	110.4 110.5	110.5	7.8 7.8	7.8	7.8	7.8	2.1 2.1	2.1	2.1	7.2 7.1	7.2	
				Bottom	10.0	20.8 20.8	20.8	8.6 8.6	8.6	33.3 33.3	33.3	108.3 107.8	108.1	7.7 7.7	7.7	7.7	7.7	2.2 2.2	2.2	2.2	7.1 7.2	7.2	
M3	Sunny	moderate	14:04	Surface	1.0	21.2 21.0	21.1	8.5 8.5	8.5	33.2 33.1	33.1	111.2 111.3	111.3	7.9 7.9	7.9	7.9	7.9	1.8 1.8	1.8	1.8	5.1 5.3	5.2	4.7
				Middle	4.0	20.9 20.9	20.9	8.5 8.5	8.5	33.2 33.2	33.2	110.9 111.1	111.0	7.9 7.9	7.9	7.9	7.9	2.1 2.0	2.0	2.0	5.3 5.2	5.3	
				Bottom	7.1	20.7 20.8	20.7	8.5 8.5	8.5	33.2 33.2	33.2	109.8 109.3	109.6	7.8 7.8	7.8	7.8	7.8	2.1 2.2	2.1	2.1	3.6 3.6	3.6	
M4	Sunny	moderate	13:18	Surface	1.0	21.5 21.0	21.2	8.7 8.7	8.7	33.2 33.2	33.2	110.0 110.2	110.1	7.8 7.8	7.8	7.8	7.8	2.0 1.9	2.0	2.0	8.0 8.0	8.0	7.2
				Middle	5.0	20.9 20.9	20.9	8.7 8.7	8.7	33.2 33.2	33.2	109.9 110.0	110.0	7.8 7.8	7.8	7.8	7.8	1.9 2.0	2.0	2.0	5.8 5.8	5.8	
				Bottom	9.0	20.8 20.9	20.8	8.7 8.7	8.7	33.2 33.3	33.3	109.0 108.5	108.8	7.7 7.7	7.7	7.7	7.7	2.0 2.1	2.1	2.1	7.7 8.0	7.9	
M5	Sunny	moderate	14:44	Surface	1.1	21.0 20.9	21.0	8.5 8.5	8.5	33.1 33.1	33.1	111.8 111.8	111.8	7.9 7.9	7.9	7.9	7.9	1.8 1.7	1.8	1.8	37.3 38.2	37.8	19.0
				Middle	6.1	20.9 21.9	21.4	8.5 8.5	8.5	33.2 33.2	33.2	108.9 109.5	109.2	7.7 7.8	7.8	7.8	7.8	2.2 2.2	2.2	2.2	11.1 11.3	11.2	
				Bottom	11.1	20.9 20.9	20.9	8.5 8.5	8.5	33.3 33.3	33.3	106.2 105.9	106.1	7.6 7.5	7.5	7.5	7.5	2.5 2.4	2.5	2.5	8.1 8.0	8.1	
M6	Sunny	moderate	14:25	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6
				Middle	2.2	21.4 21.0	21.2	8.5 8.5	8.5	33.2 33.1	33.2	109.9 110.4	110.2	7.8 7.8	7.8	7.8	7.8	2.1 2.1	2.1	2.1	3.6 3.6	3.6	
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 18 November 2020 (Mid-Ebb Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.2 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.4 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.2 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 11.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 12.2 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 46.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 50.8 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 18 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	moderate	10:52	Surface	1.1	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	110.7 111.0	110.9	7.8 7.9	7.9	7.8	1.9 1.9	1.9	2.1	10.1 10.1	10.1	13.0
				Middle	8.5	22.9 23.0	22.9	8.5 8.5	8.5	33.2 33.2	33.2	109.8 110.1	110.0	7.8 7.8	7.8		2.1 2.1	2.1		15.4 14.9	15.2	
				Bottom	16.0	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.0 105.8	105.9	7.5 7.5	7.5		2.4 2.4	2.4		13.8 13.7	13.8	
C2	Sunny	moderate	9:15	Surface	1.0	23.1 23.1	23.1	8.2 8.3	8.2	33.2 33.2	33.2	109.7 109.8	109.8	7.8 7.8	7.8	7.8	2.0 2.1	2.0	1.9	7.6 7.6	7.6	6.9
				Middle	16.0	22.9 23.0	23.0	8.7 8.7	8.7	33.2 33.2	33.2	109.5 109.6	109.6	7.8 7.8	7.8		1.9 1.9	1.9		6.2 6.2	6.2	
				Bottom	31.1	22.9 22.9	22.9	8.7 8.7	8.7	33.2 33.2	33.2	109.2 109.0	109.1	7.7 7.7	7.7		1.9 1.9	1.9		7.1 6.8	7.0	
G1	Sunny	moderate	9:56	Surface	1.1	23.0 23.0	23.0	8.5 8.5	8.5	33.2 33.2	33.2	110.6 110.7	110.7	7.8 7.8	7.8	7.8	2.0 2.1	2.1	2.2	10.2 10.0	10.1	27.0
				Middle	3.7	23.0 23.0	23.0	8.5 8.5	8.5	33.2 33.2	33.2	110.5 110.6	110.6	7.8 7.8	7.8		2.2 2.2	2.2		46.6 45.6	46.1	
				Bottom	6.5	22.8 22.8	22.8	8.6 8.6	8.6	33.3 33.3	33.3	107.7 107.3	107.5	7.7 7.6	7.6		2.3 2.3	2.3		24.9 24.4	24.7	
G2	Sunny	moderate	9:36	Surface	1.0	23.0 23.0	23.0	8.6 8.6	8.6	33.2 33.2	33.2	110.5 110.6	110.6	7.8 7.8	7.8	7.8	2.1 2.1	2.1	2.1	4.3 4.2	4.3	18.9
				Middle	5.1	23.0 23.0	23.0	8.6 8.6	8.6	33.2 33.2	33.2	110.3 110.4	110.4	7.8 7.8	7.8		2.0 2.1	2.1		44.2 43.7	44.0	
				Bottom	9.0	22.8 22.8	22.8	8.6 8.6	8.6	33.3 33.3	33.3	107.1 106.9	107.0	7.6 7.6	7.6		2.2 2.3	2.2		8.3 8.4	8.4	
G3	Sunny	moderate	10:04	Surface	1.1	23.0 23.0	23.0	8.6 8.6	8.6	33.2 33.2	33.2	108.8 109.5	109.2	7.7 7.8	7.7	7.8	2.0 2.0	2.0	2.0	5.8 5.9	5.9	7.2
				Middle	3.7	23.0 23.0	23.0	8.5 8.5	8.5	33.2 33.2	33.2	110.5 110.6	110.6	7.8 7.8	7.8		2.2 1.9	2.1		6.0 5.9	6.0	
				Bottom	6.6	22.9 22.9	22.9	8.5 8.5	8.5	33.2 33.2	33.2	109.7 109.4	109.6	7.8 7.8	7.8		2.0 2.0	2.0		9.9 9.6	9.8	
G4	Sunny	moderate	10:21	Surface	1.0	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	110.9 111.2	111.1	7.9 7.9	7.9	7.9	1.9 1.8	1.8	2.0	9.6 9.5	9.6	13.0
				Middle	3.8	23.0 23.0	23.0	8.5 8.5	8.5	33.2 33.2	33.2	111.0 111.2	111.1	7.9 7.9	7.9		1.8 1.8	1.8		13.8 14.2	14.0	
				Bottom	6.5	22.9 22.9	22.9	8.5 8.5	8.5	33.2 33.2	33.2	109.9 109.5	109.7	7.8 7.8	7.8		2.1 2.4	2.2		15.4 15.2	15.3	
M1	Sunny	moderate	9:43	Surface	1.1	23.0 23.0	23.0	8.6 8.6	8.6	33.2 33.2	33.2	110.3 110.3	110.2	7.8 7.8	7.8	7.8	2.5 2.5	2.5	2.2	9.3 9.3	9.3	7.5
				Middle	3.1	23.0 23.0	23.0	8.6 8.6	8.6	33.2 33.2	33.2	110.6 110.6	110.6	7.8 7.8	7.8		2.1 2.1	2.1		6.4 6.4	6.4	
				Bottom	5.0	23.0 23.0	23.0	8.6 8.6	8.6	33.2 33.2	33.2	110.0 110.0	110.0	7.8 7.8	7.8		2.1 1.9	2.0		6.9 6.7	6.8	
M2	Sunny	moderate	9:28	Surface	1.0	23.0 23.0	23.0	8.7 8.7	8.7	33.2 33.2	33.2	109.6 110.1	109.9	7.8 7.8	7.8	7.8	2.1 2.1	2.1	2.1	8.6 8.8	8.7	11.1
				Middle	5.3	23.0 23.0	23.0	8.6 8.7	8.6	33.2 33.2	33.2	110.3 110.3	110.3	7.8 7.8	7.8		2.0 2.0	2.0		11.0 10.9	11.0	
				Bottom	9.5	22.9 22.9	22.9	8.6 8.6	8.6	33.2 33.3	33.2	109.4 108.9	109.2	7.8 7.7	7.7		2.1 2.1	2.1		13.5 13.8	13.7	
M3	Sunny	moderate	10:13	Surface	1.1	23.0 23.0	23.0	8.5 8.5	8.5	33.1 33.1	33.1	111.4 111.5	111.5	7.9 7.9	7.9	7.9	1.8 1.8	1.8	2.0	7.1 7.1	7.1	7.1
				Middle	3.8	23.0 23.0	23.0	8.5 8.5	8.5	33.2 33.2	33.2	111.2 111.4	111.3	7.9 7.9	7.9		2.0 2.1	2.1		9.4 9.5	9.5	
				Bottom	6.5	22.9 22.9	22.9	8.5 8.5	8.5	33.2 33.2	33.2	108.9 108.6	108.8	7.7 7.7	7.7		2.2 2.2	2.2		4.8 4.9	4.9	
M4	Sunny	moderate	9:22	Surface	1.1	23.0 23.0	23.0	8.7 8.7	8.7	33.2 33.2	33.2	110.3 110.4	110.4	7.8 7.8	7.8	7.8	1.9 1.8	1.8	2.0	10.8 10.6	10.7	12.1
				Middle	5.1	23.0 23.0	23.0	8.7 8.7	8.7	33.2 33.2	33.2	110.1 110.3	110.2	7.8 7.8	7.8		2.0 1.9	2.0		13.5 13.9	13.7	
				Bottom	9.1	22.9 22.8	22.8	8.7 8.7	8.7	33.3 33.3	33.3	108.1 107.7	107.9	7.7 7.7	7.7		2.1 2.1	2.1		12.0 11.9	12.0	
M5	Sunny	moderate	10:40	Surface	1.0	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	111.7 111.7	111.7	7.9 7.9	7.9	7.8	1.8 1.8	1.8	2.1	32.4 32.2	32.3	27.5
				Middle	5.6	22.9 22.9	22.9	8.5 8.5	8.5	33.3 33.3	33.3	108.0 108.4	108.2	7.7 7.7	7.7		2.2 2.2	2.2		41.8 42.4	42.1	
				Bottom	10.0	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.8 106.5	106.7	7.6 7.6	7.6		2.3 2.4	2.4		8.1 8.3	8.2	
M6	Sunny	moderate	10:28	Surface	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	2.0	-	-	10.4
				Middle	2.1	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	111.1 111.3	111.2	7.9 7.9	7.9		2.0 2.0	2.0		10.7 10.0	10.4	
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 18 November 2020 (Mid-Flood Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 2.9 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.1 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 12.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 13.1 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 12.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 13.1 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 4.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.1 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 20 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)	Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Sunny	Moderate	16:18	Surface	1.1	24.2 24.2	24.2	8.9 8.9	8.9	33.4 33.4	33.4	100.6 99.4	100.6 99.4	6.9 6.9	6.9	6.7	1.5 1.6	1.5	2.1	4.2 4.2	4.2	7.3
				Middle	9.0	24.0 24.0	24.0	8.6 8.6	8.6	33.4 33.4	33.4	94.8 94.8	94.8	6.6 6.6	6.6	2.2 2.3	2.3	7.0 7.0		7.0		
				Bottom	17.1	24.0 23.9	24.0	8.6 8.6	8.6	33.4 33.4	33.4	93.7 93.6	93.7	6.5 6.5	6.5	2.5 2.5	2.5	10.8 10.5		10.7		
C2	Sunny	Moderate	15:03	Surface	1.0	24.2 24.2	24.2	8.0 8.0	8.0	33.4 33.4	33.4	100.6 100.5	100.6 100.5	7.0 7.0	7.0	6.9	1.5 1.4	1.4	1.9	11.1 10.8	11.0	7.6
				Middle	16.0	24.1 24.1	24.1	8.7 8.7	8.7	33.4 33.4	33.4	98.6 98.1	98.4	6.8 6.8	6.8	1.7 1.7	1.7	5.7 5.7		5.7		
				Bottom	31.0	23.9 23.9	23.9	8.6 8.6	8.6	33.4 33.4	33.4	93.5 93.4	93.5	6.5 6.5	6.5	2.6 2.6	2.6	6.2 6.3		6.3		
G1	Sunny	Moderate	15:34	Surface	1.1	24.2 24.2	24.2	9.0 9.0	9.0	33.4 33.4	33.4	99.6 99.6	99.6	6.9 6.9	6.9	6.8	1.5 1.5	1.5	1.9	6.0 5.9	6.0	5.3
				Middle	4.0	24.0 24.0	24.0	8.7 8.7	8.7	33.4 33.4	33.4	96.3 96.1	96.2	6.7 6.7	6.7	2.1 2.2	2.1	5.4 5.4		5.4		
				Bottom	7.0	24.0 24.0	24.0	8.6 8.6	8.6	33.4 33.4	33.4	93.6 93.6	93.6	6.5 6.5	6.5	2.1 2.1	2.1	4.7 4.6		4.7		
G2	Sunny	Moderate	15:22	Surface	1.1	24.2 24.2	24.2	8.0 8.0	8.0	33.4 33.4	33.4	100.0 99.9	100.0	6.9 6.9	6.9	6.8	1.6 1.6	1.6	1.9	8.4 8.3	8.4	7.4
				Middle	5.0	24.1 24.1	24.1	8.7 8.7	8.7	33.4 33.4	33.4	97.1 96.9	97.0	6.7 6.7	6.7	1.9 1.9	1.9	5.4 5.2		5.3		
				Bottom	9.0	23.9 24.0	24.0	8.6 8.6	8.6	33.4 33.4	33.4	93.4 93.6	93.5	6.5 6.5	6.5	2.4 2.1	2.2	8.7 8.5		8.6		
G3	Sunny	Moderate	15:41	Surface	1.1	24.2 24.2	24.2	9.0 9.0	9.0	33.4 33.4	33.4	99.5 99.5	99.5	6.9 6.9	6.9	6.8	1.5 2.2	1.5	1.9	6.5 6.7	6.6	7.2
				Middle	4.0	24.0 24.0	24.0	8.7 8.7	8.7	33.4 33.4	33.4	96.0 96.0	96.0	6.7 6.7	6.7	2.0 2.0	2.1	6.2 6.3		6.3		
				Bottom	7.1	24.0 24.0	24.0	8.6 8.6	8.6	33.4 33.4	33.4	93.7 93.7	93.7	6.5 6.5	6.5	2.2 2.2	2.2	8.7 8.6		8.7		
G4	Sunny	Moderate	15:55	Surface	1.0	24.2 24.2	24.2	8.9 8.9	8.9	33.4 33.4	33.4	99.5 99.4	99.5	6.9 6.9	6.9	6.8	1.5 1.5	1.5	1.9	6.7 6.7	6.7	7.2
				Middle	4.0	24.0 24.0	24.0	8.7 8.7	8.7	33.4 33.4	33.4	95.9 94.5	95.2	6.7 6.6	6.6	2.2 2.2	2.2	8.4 8.1		8.3		
				Bottom	7.0	24.0 24.0	24.0	8.6 8.6	8.6	33.4 33.4	33.4	93.8 93.8	93.8	6.5 6.5	6.5	2.2 2.1	2.2	6.7 6.5		6.6		
M1	Sunny	Moderate	15:27	Surface	1.0	24.2 24.2	24.2	8.0 9.0	8.5	33.4 33.4	33.4	99.8 99.7	99.8	6.9 6.9	6.9	6.8	1.5 2.0	1.6	1.9	6.5 6.4	6.5	5.7
				Middle	3.0	24.1 24.1	24.1	8.7 8.7	8.7	33.4 33.4	33.4	96.7 96.5	96.6	6.7 6.7	6.7	2.1 2.1	2.1	4.8 4.6		4.7		
				Bottom	5.0	24.0 24.0	24.0	8.6 8.6	8.6	33.4 33.4	33.4	93.6 93.6	93.6	6.5 6.5	6.5	2.1 2.1	2.1	5.9 5.9		5.9		
M2	Sunny	Moderate	15:16	Surface	1.1	24.2 24.2	24.2	8.0 8.0	8.0	33.4 33.4	33.4	100.3 100.0	100.2	7.0 6.9	6.9	6.9	1.4 1.6	1.5	2.0	5.8 5.8	5.8	5.2
				Middle	6.1	24.1 24.1	24.1	8.7 8.7	8.7	33.4 33.4	33.4	97.6 97.3	97.5	6.8 6.8	6.8	1.8 1.8	1.8	4.9 4.9		4.9		
				Bottom	11.0	23.9 23.9	23.9	8.6 8.6	8.6	33.4 33.4	33.4	93.4 93.4	93.4	6.5 6.5	6.5	2.7 2.6	2.7	5.0 5.0		5.0		
M3	Sunny	Moderate	15:48	Surface	1.0	24.2 24.2	24.2	9.0 8.9	8.9	33.4 33.4	33.4	99.5 99.5	99.5	6.9 6.9	6.9	6.8	1.4 1.4	1.4	1.9	4.1 4.0	4.1	5.6
				Middle	4.1	24.0 24.0	24.0	8.7 8.7	8.7	33.4 33.4	33.4	96.0 96.0	96.0	6.7 6.7	6.7	2.1 2.1	2.1	7.3 7.2		7.3		
				Bottom	7.1	24.0 24.0	24.0	8.6 8.6	8.6	33.4 33.4	33.4	93.7 93.9	93.8	6.5 6.5	6.5	2.2 2.2	2.2	5.5 5.4		5.5		
M4	Sunny	Moderate	15:10	Surface	1.1	24.2 24.2	24.2	8.0 8.0	8.0	33.4 33.4	33.4	100.5 100.4	100.5	7.0 7.0	7.0	6.9	1.5 1.4	1.5	2.0	6.4 6.5	6.5	5.4
				Middle	5.1	24.1 24.1	24.1	8.7 8.7	8.7	33.4 33.4	33.4	97.0 97.8	97.9	6.8 6.8	6.8	1.7 1.8	1.7	4.5 4.4		4.5		
				Bottom	9.1	23.9 23.9	23.9	8.6 8.6	8.6	33.4 33.4	33.4	93.4 93.4	93.4	6.5 6.5	6.5	2.8 2.8	2.8	5.5 5.3		5.4		
M5	Sunny	Moderate	16:10	Surface	1.0	24.2 24.2	24.2	8.9 8.9	8.9	33.4 33.4	33.4	99.4 99.4	99.4	6.9 6.9	6.9	6.7	1.5 1.5	1.5	2.0	6.4 6.3	6.4	5.7
				Middle	6.1	24.0 24.0	24.0	8.7 8.6	8.6	33.4 33.4	33.4	94.6 94.7	94.7	6.6 6.6	6.6	2.1 2.1	2.1	6.4 6.3		6.4		
				Bottom	11.0	24.0 24.0	24.0	8.6 8.6	8.6	33.4 33.4	33.4	93.8 93.8	93.8	6.5 6.5	6.5	2.2 2.2	2.2	4.5 4.5		4.5		
M6	Sunny	Moderate	16:03	Surface	-	-	-	-	-	-	-	-	-	-	6.5	-	-	2.1	-	-	4.3	
				Middle	2.0	24.0 24.0	24.0	8.6 8.6	8.6	33.4 33.4	33.4	93.8 93.8	93.8	6.5 6.5	6.5	2.1 2.2	2.1		4.3 4.2	4.3		
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.
 ***MWQ Monitoring was only conducted on flood tide

Appendix I - Action and Limit Levels for Marine Water Quality on 20 November 2020 (Mid-Flood Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.0 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.2 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 5.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.5 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 5.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.5 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 12.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 13.8 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 23 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Cloudy	Rough	14:24	Surface	1.1	24.1 24.2	24.1	8.4 8.3	8.4	33.2 33.2	33.2	33.2	99.9 99.4	99.7	6.4 6.4	6.4	6.3	1.8 1.8	1.8	3.4	1.1 2.2	1.7	2.2
				Middle	9.1	24.0 23.9	24.0	8.4 8.4	8.4	33.4 33.4	33.4	95.5 95.8	6.1 6.2	6.2	1.9 1.9	1.9		2.3 1.3	1.8				
				Bottom	17.1	23.4 23.7	23.6	8.4 8.4	8.4	33.5 33.5	33.5	92.5 91.9	6.0 5.9	6.0	6.0	6.5 6.8		6.6	3.5 2.5		3.0		
C2	Cloudy	Rough	13:22	Surface	1.1	24.0 24.0	24.0	8.6 8.5	8.6	33.2 33.2	33.2	101.0 100.5	100.8	6.5 6.5	6.5	6.4	2.3 2.3	2.3	2.2	2.9 3.8	3.4	2.4	
				Middle	16.5	23.7 23.7	23.7	8.6 8.5	8.5	33.3 33.3	33.3	99.3 99.4	6.4 6.4	6.4	1.4 2.1		2.1	1.4 2.2		2.0			
				Bottom	31.0	23.6 23.7	23.7	8.6 8.5	8.5	33.3 33.3	33.3	98.3 98.2	6.3 6.3	6.3	6.3		2.1 2.1	2.1		2.2 1.4	1.8		
G1	Cloudy	Rough	13:48	Surface	1.1	23.9 23.9	23.9	8.5 8.5	8.5	32.4 32.8	32.6	101.8 101.4	101.6	6.6 6.5	6.6	6.4	1.5 1.6	1.6	1.6	1.1 1.2	1.2	1.8	
				Middle	3.7	23.9 23.9	23.9	8.5 8.5	8.5	33.5 33.5	33.5	97.9 98.3	6.3 6.3	6.3	1.7 1.6		1.6	1.6 2.5		2.1			
				Bottom	6.5	23.9 23.9	23.9	8.5 8.5	8.5	33.6 33.6	33.6	86.0 83.8	5.5 5.4	5.5	5.5		1.3 1.8	1.5		2.8 1.8	2.3		
G2	Cloudy	Rough	13:37	Surface	1.0	23.8 23.8	23.8	8.5 8.6	8.5	33.2 33.2	33.2	98.3 98.1	98.2	6.3 6.3	6.3	6.5	1.8 1.6	1.7	1.4	1.5 1.1	1.3	1.6	
				Middle	5.1	23.8 23.8	23.8	8.6 8.6	8.6	33.5 33.5	33.5	104.3 104.2	6.7 6.7	6.7	1.2 1.2		1.2	1.3 2.0		1.7			
				Bottom	9.0	23.6 23.7	23.6	8.5 8.5	8.5	33.6 33.6	33.6	104.5 104.4	6.7 6.7	6.7	6.7		1.4 1.4	1.4		1.6 2.0	1.8		
G3	Cloudy	Rough	13:53	Surface	1.0	23.9 23.9	23.9	8.5 8.5	8.5	33.0 33.1	33.1	103.4 103.1	103.3	6.7 6.6	6.6	6.5	1.5 1.6	1.6	1.4	1.5 1.1	1.3	1.6	
				Middle	3.7	23.9 23.9	23.9	8.5 8.5	8.5	33.4 33.3	33.4	97.0 97.3	6.3 6.3	6.3	1.3 1.3		1.3	1.8 1.1		1.5			
				Bottom	6.5	23.6 23.9	23.8	8.5 8.5	8.5	33.5 33.1	33.3	95.2 103.5	6.1 6.7	6.4	6.4		1.4 1.4	1.4		2.2 2.0	2.0		
G4	Cloudy	Rough	14:05	Surface	1.1	24.0 23.9	23.9	8.4 8.4	8.4	32.5 32.7	32.6	101.8 101.9	101.9	6.6 6.6	6.6	6.6	1.6 1.6	1.6	1.5	1.0 1.6	1.3	2.8	
				Middle	3.7	23.9 23.9	23.9	8.4 8.4	8.4	33.3 33.2	33.2	102.1 102.2	6.6 6.6	6.6	0.8 0.9		0.9	3.4 2.4		2.9			
				Bottom	6.5	23.8 23.7	23.7	8.4 8.4	8.4	33.6 33.6	33.6	97.0 96.9	6.2 6.2	6.2	6.2		1.9 2.0	1.9		3.8 4.4	4.1		
M1	Cloudy	Rough	13:43	Surface	1.0	24.0 23.9	23.9	8.5 8.5	8.5	32.7 32.8	32.7	96.4 96.1	96.3	6.2 6.2	6.2	6.1	1.9 1.9	1.9	2.0	3.4 2.7	3.1	2.8	
				Middle	3.0	23.9 23.9	23.9	8.5 8.5	8.5	33.1 33.0	33.0	93.4 93.8	6.0 6.1	6.0	2.0 2.0		2.0	2.4 3.3		2.9			
				Bottom	5.1	23.8 23.8	23.8	8.5 8.5	8.5	33.4 33.4	33.4	90.7 90.2	5.8 5.8	5.8	5.8		2.1 2.1	2.1		2.6 2.2	2.4		
M2	Cloudy	Rough	13:33	Surface	1.1	23.8 23.8	23.8	8.5 8.5	8.5	33.2 33.2	33.2	104.9 105.2	105.1	6.8 6.8	6.8	6.7	1.0 1.0	1.0	0.9	1.7 2.2	2.0	2.6	
				Middle	5.2	23.6 23.8	23.7	8.6 8.5	8.5	33.4 33.3	33.4	104.4 104.6	6.7 6.7	6.7	0.8 0.8		0.8	2.3 3.0		2.7			
				Bottom	9.5	23.6 23.6	23.6	8.6 8.6	8.6	33.7 33.7	33.7	95.7 95.7	6.2 6.2	6.2	6.2		0.8 0.9	0.8		3.6 2.7	3.2		
M3	Cloudy	Rough	14:01	Surface	1.0	23.9 23.9	23.9	8.4 8.4	8.4	33.1 33.1	33.1	103.5 103.3	103.4	6.7 6.6	6.6	6.4	1.7 1.7	1.7	1.0	5.5 4.5	5.0	4.3	
				Middle	3.7	23.9 23.9	23.9	8.4 8.4	8.4	33.5 33.4	33.4	95.7 96.0	6.2 6.2	6.2	0.3 0.3		0.3	5.2 4.6		4.9			
				Bottom	6.5	23.7 23.7	23.7	8.5 8.4	8.4	33.5 33.5	33.5	89.5 88.3	5.8 5.7	5.7	5.7		0.9 0.9	0.9		2.7 3.5	3.1		
M4	Cloudy	Rough	13:27	Surface	1.0	23.9 23.8	23.9	8.6 8.6	8.6	32.1 32.1	32.1	102.9 103.3	103.1	6.6 6.7	6.7	6.5	0.6 0.6	0.6	1.1	2.0 2.2	2.1	3.1	
				Middle	5.0	23.8 23.8	23.8	8.6 8.6	8.6	33.6 33.6	33.6	98.6 98.7	6.4 6.4	6.4	1.1 1.2		1.1	3.4 3.5		3.5			
				Bottom	9.0	23.7 23.7	23.7	8.6 8.5	8.6	33.6 33.6	33.6	93.7 93.2	6.0 6.0	6.0	6.0		1.5 1.6	1.5		3.3 4.0	3.7		
M5	Cloudy	Rough	14:18	Surface	1.0	23.9 23.9	23.9	8.4 8.4	8.4	33.5 33.5	33.5	96.4 96.2	96.3	6.2 6.2	6.2	6.1	1.0 1.0	1.0	1.4	2.5 2.1	2.3	2.8	
				Middle	6.1	23.8 23.8	23.8	8.4 8.4	8.4	33.5 33.5	33.5	93.9 94.4	6.1 6.1	6.1	1.4 1.5		1.4	2.6 3.0		2.8			
				Bottom	11.0	23.8 23.8	23.8	8.4 8.4	8.4	33.5 33.5	33.5	90.2 90.0	5.8 5.8	5.8	5.8		1.7 1.7	1.7		3.0 3.8	3.4		
M6	Cloudy	Rough	14:11	Surface	-	-	-	-	-	-	-	-	-	-	6.3	-	-	2.2	-	-	2.8		
				Middle	2.1	23.9 23.9	23.9	8.4 8.4	8.4	33.4 33.5	33.4	98.4 98.0	6.3 6.3	6.3		2.2 2.2	2.2		3.1 2.5	2.8			
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-	

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 23 November 2020 (Mid-Ebb Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.5 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.7 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 4.4 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 4.4 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 2.2 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 2.3 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 23 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)	Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)				
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Cloudy	Rough	9:02	Surface	1.1	24.0 24.0	24.0	8.4 8.4	8.4	33.2 33.2	33.2	99.0 98.7	98.9	6.4 6.4	6.4	6.3	2.7 2.3	2.5	3.1	2.6 3.5	3.1	2.5
				Middle	9.1	23.7 23.8	23.7	8.4 8.4	8.4	33.3 33.3	33.3	96.6 96.9	96.6	6.2 6.3	6.2		3.2 3.4	3.3		2.3 3.2	2.8	
				Bottom	17.1	23.7 23.7	23.7	8.4 8.4	8.4	33.5 33.5	33.5	91.3 90.7	91.0	5.9 5.9	5.9		3.9 3.3	3.6		1.2 1.9	1.6	
C2	Cloudy	Rough	8:06	Surface	1.0	24.5 24.4	24.4	8.6 8.5	8.5	33.2 33.2	33.2	100.3 100.1	100.2	6.5 6.4	6.4	6.4	2.9 3.2	3.1	4.7	2.0 2.8	2.4	2.4
				Middle	15.9	23.9 23.8	23.8	8.6 8.5	8.5	33.3 33.3	33.3	99.5 99.7	99.6	6.4 6.4	6.4		5.4 5.3	5.4		2.7 2.1	2.4	
				Bottom	31.0	23.8 23.8	23.8	8.5 8.5	8.5	33.3 33.3	33.3	98.1 97.9	98.0	6.3 6.3	6.3		5.6 5.4	5.5		2.2 2.4	2.3	
G1	Cloudy	Rough	8:32	Surface	0.9	24.1 24.1	24.1	8.4 8.4	8.4	33.0 33.2	33.1	101.0 100.6	100.8	6.5 6.5	6.5	6.4	1.7 1.8	1.8	1.7	2.0 2.5	2.3	2.1
				Middle	4.0	24.1 24.1	24.1	8.4 8.4	8.4	33.5 33.4	33.4	98.6 99.0	98.8	6.4 6.4	6.4		1.4 1.7	1.6		2.4 2.0	2.2	
				Bottom	7.0	24.0 24.0	24.0	8.4 8.4	8.4	33.6 33.6	33.6	81.9 80.3	81.1	5.3 5.2	5.2		1.7 2.0	1.9		1.5 2.1	1.8	
G2	Cloudy	Rough	8:22	Surface	1.0	24.2 24.0	24.1	8.5 8.5	8.5	33.3 33.3	33.3	98.1 98.1	98.1	6.3 6.3	6.3	6.5	2.3 2.2	2.3	2.3	1.7 2.4	2.1	2.4
				Middle	5.0	24.1 24.0	24.0	8.5 8.5	8.5	33.4 33.4	33.4	103.9 103.6	103.8	6.7 6.7	6.7		2.2 2.1	2.2		2.0 2.6	2.3	
				Bottom	9.0	23.9 23.9	23.9	8.5 8.4	8.5	33.6 33.6	33.6	104.4 104.2	104.3	6.7 6.7	6.7		2.5 2.2	2.4		2.7 3.0	2.9	
G3	Cloudy	Rough	8:35	Surface	1.0	24.4 24.0	24.2	8.4 8.4	8.4	33.2 33.1	33.1	103.4 103.5	103.5	6.7 6.7	6.7	6.4	1.7 2.0	1.9	1.5	2.7 3.1	2.9	2.4
				Middle	4.0	24.0 24.0	24.0	8.4 8.4	8.4	33.5 33.4	33.5	95.8 96.7	96.3	6.2 6.2	6.2		1.2 1.1	1.1		2.8 2.3	2.6	
				Bottom	7.0	23.9 23.9	23.9	8.4 8.4	8.4	33.5 33.5	33.5	95.6 95.4	95.5	6.2 6.2	6.2		1.6 1.5	1.6		1.9 1.6	1.8	
G4	Cloudy	Rough	8:46	Surface	1.0	24.0 24.3	24.2	8.3 8.2	8.2	32.2 32.4	32.3	101.8 101.7	101.8	6.6 6.6	6.6	6.6	2.8 2.7	2.6	2.8	2.4 3.0	2.7	2.5
				Middle	4.5	24.0 24.0	24.0	8.3 8.3	8.3	33.4 33.3	33.4	101.9 102.0	102.0	6.6 6.6	6.6		2.4 2.8	2.7		2.8 2.9	2.9	
				Bottom	7.0	23.9 23.9	23.9	8.3 8.3	8.3	33.5 33.5	33.5	100.9 97.5	99.2	6.5 6.3	6.4		3.0 3.5	3.3		2.2 1.8	2.0	
M1	Cloudy	Rough	8:26	Surface	1.0	24.4 24.0	24.2	8.4 8.4	8.4	32.6 32.7	32.6	97.3 96.8	97.1	6.3 6.2	6.3	6.1	3.0 3.3	3.1	3.2	1.7 1.6	1.7	2.5
				Middle	3.0	24.2 24.1	24.1	8.4 8.4	8.4	33.1 33.1	33.1	92.9 93.2	93.1	6.0 6.0	6.0		2.9 3.0	2.9		2.5 2.2	2.4	
				Bottom	4.9	24.0 24.0	24.0	8.4 8.4	8.4	33.3 33.3	33.3	91.5 91.1	91.3	5.9 5.9	5.9		3.2 3.6	3.4		3.6 3.5	3.6	
M2	Cloudy	Rough	8:18	Surface	0.9	24.2 24.0	24.1	8.6 8.6	8.6	32.9 33.1	33.0	104.4 104.6	104.5	6.7 6.7	6.7	6.7	1.3 1.2	1.3	1.6	4.7 4.0	4.4	3.9
				Middle	6.0	23.9 24.0	24.0	8.6 8.6	8.6	33.5 33.4	33.5	104.4 104.4	104.4	6.7 6.7	6.7		0.6 0.9	0.8		3.9 4.2	4.1	
				Bottom	11.0	23.7 23.6	23.7	8.6 8.6	8.6	33.6 33.7	33.6	97.1 96.9	97.0	6.3 6.2	6.2		2.5 2.9	2.7		2.9 3.4	3.2	
M3	Cloudy	Rough	8:42	Surface	1.0	24.1 24.0	24.0	8.3 8.3	8.3	33.1 33.2	33.2	103.1 102.9	103.0	6.6 6.6	6.6	6.4	3.0 2.8	2.9	2.8	2.3 2.4	2.4	3.0
				Middle	4.0	24.0 24.0	24.0	8.3 8.3	8.3	33.4 33.3	33.3	96.6 97.1	96.9	6.2 6.3	6.2		2.5 2.6	2.5		2.5 3.5	3.0	
				Bottom	7.0	23.9 23.9	23.9	8.3 8.3	8.3	33.5 33.6	33.5	87.3 86.7	87.0	5.6 5.6	5.6		3.0 2.9	3.0		3.7 3.5	3.6	
M4	Cloudy	Rough	8:13	Surface	1.0	24.4 24.1	24.2	8.5 8.5	8.5	32.0 31.9	31.9	103.8 103.8	103.8	6.7 6.7	6.7	6.5	3.8 3.7	3.7	3.8	3.9 2.9	3.4	2.3
				Middle	4.9	24.0 24.0	24.0	8.5 8.6	8.6	33.6 33.3	33.5	98.8 99.0	98.9	6.4 6.4	6.4		3.4 3.8	3.6		1.8 1.5	1.7	
				Bottom	8.9	23.9 24.0	24.0	8.5 8.5	8.5	33.7 33.6	33.6	93.4 93.6	93.5	6.0 6.0	6.0		4.2 3.8	4.0		1.9 1.9	1.9	
M5	Cloudy	Rough	8:57	Surface	1.0	24.3 24.1	24.2	8.3 8.3	8.3	33.5 33.5	33.5	96.6 96.5	96.6	6.2 6.2	6.2	6.1	2.9 2.7	2.8	2.6	2.3 3.2	2.8	2.3
				Middle	6.1	24.1 24.1	24.1	8.3 8.3	8.3	33.5 33.5	33.5	92.9 93.4	93.2	6.0 6.0	6.0		2.2 2.7	2.4		2.8 2.0	2.4	
				Bottom	11.0	24.1 24.1	24.1	8.3 8.3	8.3	33.5 33.5	33.5	90.6 90.4	90.5	5.9 5.8	5.8		2.4 2.6	2.5		1.9 1.8	1.9	
M6	Cloudy	Rough	8:51	Surface	-	-	-	-	-	-	-	-	-	-	6.3	-	-	1.8	-	-	3.2	
				Middle	2.0	24.2 24.0	24.1	8.3 8.3	8.3	33.5 33.5	33.5	97.8 97.6	97.7	6.3 6.3		6.3	1.8 1.9		1.8	2.6 3.7		3.2
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.
 ***MWQ Monitoring was only conducted on flood tide

Appendix I - Action and Limit Levels for Marine Water Quality on 23 November 2020 (Mid-Flood Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.3 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.7 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 3.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 4.0 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 3.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 4.0 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 1.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 2.0 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 25 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
				Surface	Bottom	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
C1	Sunny	Calm	15:29	Surface	1.1	24.2 24.2	24.2	8.4 8.3	8.4	33.3 33.3	33.3	100.1 99.6	99.9	6.4 6.4	6.4	6.3	1.8 1.8	1.8	3.5	2.3 2.7	2.5	2.3
				Middle	9.1	24.0 24.0	24.0	8.4 8.4	8.4	33.4 33.4	33.4	95.7 96.0	95.7	6.1 6.2	6.2		1.9 1.9	1.9		2.6 2.2	2.4	
				Bottom	17.1	23.5 23.7	23.6	8.4 8.4	8.4	33.5 33.5	33.5	92.7 92.1	92.4	6.0 5.9	6.0		6.0	6.5 6.8		6.7	1.6 2.2	
C2	Sunny	Calm	14:27	Surface	1.0	24.0 24.1	24.1	8.6 8.5	8.6	33.2 33.2	33.2	101.2 100.7	101.0	6.5 6.5	6.5	6.4	2.3 2.2	2.3	2.2	1.6 1.8	1.7	2.1
				Middle	15.9	23.8 23.7	23.7	8.6 8.5	8.5	33.4 33.4	33.4	99.5 99.6	99.6	6.4 6.4	6.4		2.0 2.1	2.2		2.0 2.1	2.1	
				Bottom	31.0	23.7 23.7	23.7	8.6 8.5	8.5	33.4 33.4	33.4	98.5 98.4	98.5	6.3 6.3	6.3		6.3	2.1 2.2		2.2	2.2 2.6	
G1	Sunny	Calm	14:53	Surface	0.9	24.0 24.0	24.0	8.5 8.5	8.5	32.5 32.8	32.7	102.0 101.6	101.8	6.6 6.5	6.6	6.4	1.6 1.6	1.6	1.6	2.3 2.0	2.2	2.4
				Middle	3.9	24.0 24.0	24.0	8.5 8.5	8.5	33.6 33.5	33.6	98.1 98.5	98.3	6.3 6.3	6.3		1.7 1.7	1.7		2.9 2.1	2.5	
				Bottom	7.0	23.9 23.9	23.9	8.5 8.5	8.5	33.6 33.6	33.6	86.2 84.0	85.1	5.5 5.4	5.5		5.5	1.3 1.8		1.6	2.1 2.9	
G2	Sunny	Calm	14:42	Surface	1.0	23.8 23.9	23.8	8.5 8.6	8.5	33.3 33.3	33.3	98.5 98.3	98.4	6.3 6.3	6.3	6.5	1.8 1.6	1.7	1.5	1.7 1.7	1.8	1.6
				Middle	5.0	23.9 23.9	23.9	8.6 8.6	8.6	33.5 33.5	33.5	104.5 104.4	104.5	6.7 6.7	6.7		1.3 1.3	1.3		1.3 1.3	1.5	
				Bottom	9.0	23.7 23.7	23.7	8.5 8.5	8.5	33.6 33.6	33.6	104.7 104.6	104.7	6.7 6.7	6.7		6.7	1.5 1.5		1.5	1.3 1.4	
G3	Sunny	Calm	14:58	Surface	1.0	24.0 24.0	24.0	8.5 8.5	8.5	33.1 33.1	33.1	103.6 103.3	103.5	6.6 6.6	6.6	6.4	1.6 1.7	1.6	1.4	3.3 3.1	3.2	2.2
				Middle	4.0	23.9 24.0	24.0	8.5 8.5	8.5	33.4 33.4	33.4	97.2 97.5	97.4	6.2 6.3	6.3		1.3 1.3	1.3		1.8 1.7	1.8	
				Bottom	7.0	23.7 23.9	23.8	8.5 8.5	8.5	33.6 33.1	33.3	95.4 103.7	99.6	6.1 6.7	6.4		6.4	1.4 1.4		1.4	1.6 1.8	
G4	Sunny	Calm	15:10	Surface	1.0	24.0 23.9	24.0	8.4 8.4	8.4	32.6 32.7	32.6	102.0 102.1	102.1	6.6 6.6	6.6	6.6	1.6 1.6	1.6	1.5	2.5 1.6	2.2	1.9
				Middle	4.5	24.0 24.0	24.0	8.4 8.4	8.4	33.3 33.3	33.3	102.3 102.4	102.4	6.6 6.6	6.6		0.9 0.9	0.9		2.4 1.6	2.0	
				Bottom	7.0	23.8 23.7	23.8	8.4 8.4	8.4	33.6 33.6	33.6	97.2 97.1	97.2	6.2 6.2	6.2		6.2	1.9 2.0		1.9	1.3 1.6	
M1	Sunny	Calm	14:48	Surface	1.0	24.0 23.9	24.0	8.5 8.5	8.5	32.8 32.8	32.8	96.6 96.3	96.5	6.2 6.2	6.2	6.1	2.0 2.0	2.0	2.0	1.8 2.0	1.9	1.9
				Middle	3.0	24.0 24.0	24.0	8.5 8.5	8.5	33.1 33.1	33.1	93.6 94.0	93.8	6.0 6.0	6.0		2.0 2.0	2.0		2.3 1.4	1.9	
				Bottom	4.9	23.9 23.8	23.8	8.5 8.5	8.5	33.4 33.4	33.4	90.9 90.4	90.7	5.8 5.8	5.8		5.8	2.1 2.1		2.1	1.5 2.4	
M2	Sunny	Calm	14:38	Surface	0.9	23.9 23.9	23.9	8.5 8.5	8.5	33.2 33.2	33.2	105.1 105.4	105.3	6.7 6.8	6.8	6.7	1.1 1.0	1.0	0.9	1.8 1.3	1.6	1.8
				Middle	6.0	23.6 23.8	23.7	8.6 8.5	8.5	33.4 33.4	33.4	104.6 104.8	104.7	6.7 6.7	6.7		0.9 0.8	0.8		1.4 1.9	1.7	
				Bottom	11.0	23.6 23.6	23.6	8.6 8.6	8.6	33.7 33.7	33.7	95.9 95.9	95.9	6.2 6.2	6.2		6.2	0.9 0.9		0.9	2.5 1.6	
M3	Sunny	Calm	15:06	Surface	1.0	23.9 23.9	23.9	8.4 8.4	8.4	33.1 33.1	33.1	103.7 103.5	103.6	6.6 6.6	6.6	6.4	1.7 1.8	1.7	1.0	1.6 2.4	2.0	1.8
				Middle	4.0	23.9 23.9	23.9	8.4 8.4	8.4	33.5 33.5	33.5	95.9 96.2	96.1	6.2 6.2	6.2		0.4 0.3	0.4		2.1 1.7	1.9	
				Bottom	7.0	23.7 23.7	23.7	8.5 8.4	8.4	33.6 33.6	33.6	89.7 88.5	89.1	5.8 5.7	5.7		5.7	0.9 1.0		1.0	1.4 1.4	
M4	Sunny	Calm	14:32	Surface	1.0	23.9 23.8	23.9	8.6 8.6	8.6	32.1 32.1	32.1	103.1 103.5	103.3	6.6 6.7	6.6	6.5	0.6 0.7	0.6	1.1	2.5 2.1	2.3	2.1
				Middle	4.9	23.8 23.8	23.8	8.6 8.6	8.6	33.6 33.6	33.6	98.8 98.9	98.9	6.3 6.4	6.3		1.1 1.2	1.2		2.2 2.0	2.1	
				Bottom	8.9	23.8 23.8	23.8	8.6 8.5	8.6	33.7 33.7	33.7	93.9 93.4	93.7	6.0 6.0	6.0		6.0	1.6 1.6		1.6	1.7 1.8	
M5	Sunny	Calm	15:23	Surface	1.0	24.0 23.9	23.9	8.4 8.4	8.4	33.5 33.5	33.5	96.6 96.4	96.5	6.2 6.2	6.2	6.1	1.1 1.1	1.1	1.4	2.0 2.3	2.2	1.9
				Middle	6.1	23.9 23.9	23.9	8.4 8.4	8.4	33.6 33.6	33.6	94.1 94.6	94.4	6.0 6.1	6.1		1.5 1.5	1.5		1.9 2.3	2.1	
				Bottom	11.0	23.9 23.9	23.9	8.4 8.4	8.4	33.6 33.6	33.6	90.4 90.2	90.3	5.8 5.8	5.8		5.8	1.7 1.7		1.7	1.3 1.6	
M6	Sunny	Calm	15:16	Surface	-	-	-	-	-	-	-	-	-	-	6.3	-	-	2.2	-	-	2.2	
				Middle	2.0	24.0 24.0	24.0	8.4 8.4	8.4	33.4 33.5	33.5	98.6 98.2	98.4	6.3 6.3		6.3	2.2 2.2		2.2	1.8 2.5		2.2
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 25 November 2020 (Mid-Ebb Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.6 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.8 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 2.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 2.2 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 2.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 2.2 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 2.9 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 3.1 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 25 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)	Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)			Suspended Solids (mg/L)				
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Sunny	Calm	10:00	Surface	1.1	24.0 23.9	24.0	8.4 8.4	8.4	33.3 33.3	33.3	99.1 98.8	99.0	6.4 6.4	6.4	6.3	2.7 2.3	2.5	3.2	1.5 2.5	2.0	1.5
				Middle	9.1	23.7 23.8	23.7	8.4 8.4	8.4	33.4 33.3	33.4	96.4 97.0	96.7	6.2 6.2	6.2		3.2 3.4	3.3		2.3 1.4	1.9	
				Bottom	17.1	23.7 23.7	23.7	8.4 8.4	8.4	33.5 33.5	33.5	91.4 90.8	91.1	5.9 5.9	5.9		3.9 3.4	3.7		1.2 0.0	0.6	
C2	Sunny	Calm	9:04	Surface	1.1	24.4 24.4	24.4	8.5 8.5	8.5	33.2 33.3	33.2	100.4 100.2	100.3	6.4 6.4	6.4	6.4	3.0 3.2	3.1	4.7	0.0 0.0	0.0	0.9
				Middle	16.0	23.8 23.8	23.8	8.5 8.5	8.5	33.3 33.3	33.3	99.6 99.8	99.7	6.4 6.4	6.4		5.5 5.4	5.4		1.3 1.4	1.4	
				Bottom	31.0	23.8 23.8	23.8	8.5 8.5	8.5	33.4 33.4	33.4	98.2 98.0	98.1	6.3 6.3	6.3		5.7 5.5	5.6		1.5 1.4	1.5	
G1	Sunny	Calm	9:30	Surface	1.1	24.1 24.1	24.1	8.4 8.4	8.4	33.1 33.2	33.1	101.1 100.7	100.9	6.5 6.5	6.5	6.4	1.7 1.9	1.8	1.8	1.5 1.4	1.5	1.5
				Middle	3.7	24.0 24.1	24.0	8.4 8.4	8.4	33.5 33.5	33.5	98.7 99.1	98.9	6.3 6.4	6.4		1.4 1.8	1.6		1.8 1.2	1.5	
				Bottom	6.5	24.0 24.0	24.0	8.4 8.4	8.4	33.7 33.7	33.7	82.0 80.4	81.2	5.3 5.2	5.2		1.8 2.1	1.9		1.9 1.3	1.6	
G2	Sunny	Calm	9:20	Surface	1.0	24.1 24.0	24.1	8.5 8.5	8.5	33.3 33.3	33.3	98.2 98.2	98.2	6.3 6.3	6.3	6.5	2.4 2.3	2.3	2.3	1.8 2.6	2.2	2.0
				Middle	5.1	24.0 24.0	24.0	8.5 8.5	8.5	33.5 33.4	33.5	104.0 103.7	103.9	6.7 6.7	6.7		2.3 2.1	2.2		2.3 1.7	2.0	
				Bottom	9.0	23.9 23.9	23.9	8.5 8.4	8.4	33.6 33.6	33.6	104.5 104.3	104.4	6.7 6.7	6.7		2.5 2.3	2.4		2.0 1.8	1.9	
G3	Sunny	Calm	9:33	Surface	1.0	24.3 23.9	24.1	8.4 8.4	8.4	33.2 33.1	33.2	103.5 103.6	103.6	6.7 6.7	6.7	6.4	1.8 2.0	1.9	1.6	1.7 2.4	2.1	1.9
				Middle	3.7	24.0 23.9	24.0	8.4 8.4	8.4	33.5 33.5	33.5	95.9 96.8	96.4	6.2 6.2	6.2		1.2 1.2	1.2		2.1 1.9	2.0	
				Bottom	6.5	23.9 23.9	23.9	8.4 8.4	8.4	33.6 33.6	33.6	95.7 95.5	95.6	6.2 6.1	6.1		1.6 1.6	1.6		1.3 2.1	1.7	
G4	Sunny	Calm	9:44	Surface	1.1	24.0 24.3	24.2	8.2 8.2	8.2	32.3 32.4	32.3	101.9 101.8	101.9	6.6 6.6	6.6	6.6	2.8 2.7	2.6	2.9	2.5 1.5	2.0	1.7
				Middle	3.7	24.0 24.0	24.0	8.2 8.2	8.2	33.5 33.4	33.4	102.0 102.1	102.1	6.5 6.6	6.5		2.4 2.8	2.8		2.4 1.6	2.0	
				Bottom	6.5	23.9 23.9	23.9	8.2 8.2	8.2	33.6 33.6	33.6	101.0 97.6	99.3	6.5 6.3	6.4		3.0 3.6	3.3		1.3 1.1	1.2	
M1	Sunny	Calm	9:25	Surface	1.0	24.4 24.0	24.2	8.4 8.4	8.4	32.7 32.7	32.7	97.4 96.9	97.2	6.3 6.2	6.3	6.1	3.0 3.3	3.2	3.2	1.2 1.3	1.3	1.6
				Middle	3.0	24.2 24.1	24.1	8.4 8.4	8.4	33.2 33.1	33.1	93.0 93.3	93.2	6.0 6.0	6.0		2.9 3.0	3.0		1.4 1.7	1.6	
				Bottom	5.1	24.0 24.0	24.0	8.4 8.4	8.4	33.3 33.4	33.3	91.6 91.2	91.4	5.9 5.9	5.9		3.2 3.7	3.5		2.3 1.6	2.0	
M2	Sunny	Calm	9:16	Surface	1.1	24.2 24.0	24.1	8.6 8.6	8.6	33.0 33.1	33.1	104.5 104.7	104.6	6.7 6.7	6.7	6.7	1.3 1.3	1.3	1.6	1.6 2.3	2.0	1.8
				Middle	5.2	23.9 24.0	24.0	8.6 8.5	8.6	33.5 33.5	33.5	104.5 104.5	104.5	6.7 6.7	6.7		0.9 0.9	0.8		1.2 2.1	1.7	
				Bottom	9.5	23.7 23.6	23.7	8.6 8.5	8.6	33.7 33.7	33.7	97.2 97.0	97.1	6.2 6.2	6.2		2.5 2.9	2.7		2.1 1.4	1.8	
M3	Sunny	Calm	9:40	Surface	1.0	24.1 23.9	24.0	8.3 8.3	8.3	33.2 33.2	33.2	103.2 103.0	103.1	6.6 6.6	6.6	6.4	3.0 2.8	2.9	2.8	1.4 1.2	1.3	2.0
				Middle	3.7	24.0 24.0	24.0	8.3 8.3	8.3	33.4 33.4	33.4	96.7 97.2	97.0	6.2 6.2	6.2		2.5 2.7	2.6		1.9 2.7	2.3	
				Bottom	6.5	23.9 23.9	23.9	8.3 8.3	8.3	33.6 33.6	33.6	87.4 86.8	87.1	5.6 5.6	5.6		3.1 2.9	3.0		3.0 2.0	2.5	
M4	Sunny	Calm	9:11	Surface	1.0	24.4 24.1	24.2	8.5 8.5	8.5	32.0 31.9	32.0	103.9 103.9	103.9	6.7 6.7	6.7	6.5	3.9 3.7	3.8	3.8	1.1 1.1	1.1	1.5
				Middle	5.0	24.0 24.0	24.0	8.5 8.5	8.5	33.6 33.4	33.5	98.9 99.1	99.0	6.4 6.4	6.4		3.4 3.8	3.6		2.1 1.4	1.8	
				Bottom	9.0	23.9 23.9	23.9	8.5 8.5	8.5	33.7 33.7	33.7	93.5 93.7	93.6	6.0 6.0	6.0		4.2 3.8	4.0		2.2 1.3	1.8	
M5	Sunny	Calm	9:55	Surface	1.0	24.3 24.1	24.2	8.3 8.3	8.3	33.5 33.5	33.5	96.7 96.6	96.7	6.2 6.2	6.2	6.1	3.0 2.7	2.8	2.6	1.8 1.9	1.9	1.6
				Middle	6.1	24.1 24.1	24.1	8.3 8.3	8.3	33.6 33.6	33.6	93.0 93.5	93.3	6.0 6.0	6.0		2.2 2.7	2.5		1.7 1.2	1.5	
				Bottom	11.0	24.1 24.1	24.1	8.3 8.3	8.3	33.6 33.6	33.6	90.7 90.5	90.6	5.8 5.8	5.8		2.4 2.7	2.6		1.6 1.4	1.5	
M6	Sunny	Calm	9:49	Surface	-	-	-	-	-	-	-	-	-	-	6.3	-	-	1.9	-	-	2.3	
				Middle	2.1	24.2 24.0	24.1	8.3 8.3	8.3	33.5 33.6	33.5	97.9 97.7	97.8	6.3 6.3		6.3	1.8 2.0		1.9	2.6 2.0		2.3
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.
 ***MWQ Monitoring was only conducted on flood tide

Appendix I - Action and Limit Levels for Marine Water Quality on 25 November 2020 (Mid-Flood Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.4 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 4.8 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 2.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 2.6 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 2.4 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 2.6 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 0.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 0.8 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 27 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)	Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Sunny	Calm	11:35	Surface	1.1	25.1 25.2	25.1	8.3 8.3	8.3	34.1 34.1	34.1	100.6 100.1	100.4	6.4 6.4	6.4	6.3	1.7 1.8	1.8	3.3	5.4 4.4	4.9	4.1
				Middle	9.1	25.0 24.9	25.0	8.3 8.4	8.3	34.3 34.3	34.3	95.8 96.5	96.2	6.1 6.2	6.1		1.9 1.9	1.9		4.7 3.7	4.2	
				Bottom	17.1	24.4 24.7	24.6	8.4 8.4	8.4	34.4 34.4	34.4	93.2 92.6	92.9	6.0 5.9	5.9		6.3 6.3	6.3		3.6 2.8	3.2	
C2	Sunny	Calm	10:34	Surface	1.1	25.0 25.0	25.0	8.6 8.5	8.5	34.1 34.1	34.1	101.7 101.2	101.5	6.5 6.5	6.5	6.4	2.3 2.3	2.3	2.2	4.5 3.5	4.0	3.7
				Middle	16.1	24.7 24.7	24.7	8.6 8.5	8.5	34.2 34.2	34.2	100.0 100.1	100.1	6.4 6.4	6.4		4.1 2.1	2.1		4.1 3.5	3.8	
				Bottom	31.0	24.6 24.7	24.7	8.5 8.5	8.5	34.2 34.2	34.2	99.0 98.9	99.0	6.3 6.3	6.3		2.1 2.1	2.1		3.4 3.2	3.3	
G1	Sunny	Calm	11:00	Surface	1.1	24.9 24.9	24.9	8.5 8.5	8.5	33.4 33.7	33.5	102.5 102.1	102.3	6.6 6.5	6.5	6.4	1.7 1.7	1.7	1.0	4.0 3.4	3.7	4.4
				Middle	3.7	24.9 24.9	24.9	8.5 8.5	8.5	34.4 34.4	34.4	98.6 99.0	98.8	6.3 6.3	6.3		0.3 0.3	0.3		4.1 5.2	4.7	
				Bottom	6.5	24.9 24.9	24.9	8.5 8.5	8.5	34.5 34.5	34.5	86.7 84.5	85.6	5.5 5.4	5.5		0.9 0.9	0.9		4.4 5.3	4.9	
G2	Sunny	Calm	10:49	Surface	1.0	24.8 24.8	24.8	8.5 8.5	8.5	34.1 34.2	34.1	99.0 98.8	98.9	6.3 6.3	6.3	6.5	1.7 1.6	1.7	1.4	3.8 4.0	3.9	4.5
				Middle	5.1	24.8 24.8	24.8	8.6 8.5	8.6	34.4 34.4	34.4	105.0 104.9	105.0	6.7 6.7	6.7		1.2 1.2	1.2		3.8 4.3	4.1	
				Bottom	9.0	24.6 24.7	24.6	8.5 8.5	8.5	34.5 34.5	34.5	105.2 105.1	105.2	6.7 6.7	6.7		1.4 1.4	1.4		5.5 5.6	5.6	
G3	Sunny	Calm	11:05	Surface	1.0	24.9 24.9	24.9	8.4 8.5	8.4	34.0 34.0	34.0	104.1 103.8	104.0	6.6 6.6	6.6	6.4	1.6 1.6	1.6	1.4	5.0 4.4	4.7	4.3
				Middle	3.7	24.9 24.9	24.9	8.4 8.4	8.4	34.3 34.2	34.3	97.7 97.7	97.9	6.2 6.2	6.2		0.8 0.9	0.8		4.2 4.7	4.5	
				Bottom	6.5	24.6 24.9	24.7	8.5 8.4	8.5	34.5 34.0	34.2	95.9 104.2	100.1	6.1 6.6	6.4		1.8 1.9	1.9		4.2 3.4	3.8	
G4	Sunny	Calm	11:17	Surface	1.1	25.0 24.9	24.9	8.4 8.4	8.4	33.4 33.6	33.5	102.5 102.6	102.6	6.5 6.5	6.5	6.5	1.5 1.6	1.6	1.4	3.9 3.1	3.5	3.2
				Middle	3.7	24.9 24.9	24.9	8.4 8.4	8.4	34.2 34.1	34.1	102.8 102.9	102.9	6.6 6.6	6.6		1.2 1.3	1.2		2.8 3.6	3.2	
				Bottom	6.5	24.8 24.7	24.7	8.4 8.4	8.4	34.5 34.5	34.5	97.7 97.6	97.7	6.2 6.2	6.2		1.3 1.4	1.3		2.9 2.8	2.9	
M1	Sunny	Calm	10:54	Surface	1.0	25.0 24.9	24.9	8.5 8.5	8.5	33.6 33.7	33.6	97.1 96.8	97.0	6.2 6.2	6.2	6.1	1.9 1.9	1.9	2.0	2.4 3.1	2.8	3.6
				Middle	3.0	24.9 24.9	24.9	8.5 8.5	8.5	34.0 33.9	33.9	94.1 94.5	94.3	6.0 6.0	6.0		1.9 2.0	1.9		3.8 3.9	3.9	
				Bottom	5.0	24.8 24.8	24.8	8.5 8.5	8.5	34.3 34.3	34.3	91.4 90.9	91.2	5.8 5.8	5.8		2.1 2.1	2.1		4.3 3.8	4.1	
M2	Sunny	Calm	10:44	Surface	1.0	24.8 24.8	24.8	8.5 8.5	8.5	34.1 34.1	34.1	105.6 105.9	105.8	6.7 6.7	6.7	6.7	1.0 1.0	1.0	0.9	2.5 2.6	2.6	3.4
				Middle	5.2	24.6 24.8	24.7	8.5 8.5	8.5	34.3 34.2	34.3	105.1 105.3	105.2	6.7 6.7	6.7		0.8 0.8	0.8		3.8 3.4	3.6	
				Bottom	9.5	24.6 24.6	24.6	8.6 8.6	8.6	34.6 34.6	34.6	96.4 96.4	96.4	6.2 6.1	6.1		0.8 0.8	0.8		4.4 3.6	4.0	
M3	Sunny	Calm	11:12	Surface	1.0	24.9 24.9	24.9	8.4 8.4	8.4	34.0 34.0	34.0	104.2 104.0	104.1	6.6 6.6	6.6	6.4	1.5 1.6	1.5	1.6	3.2 3.5	3.4	3.6
				Middle	3.7	24.9 24.9	24.9	8.4 8.4	8.4	34.4 34.3	34.3	96.4 96.7	96.6	6.2 6.2	6.2		1.6 1.6	1.6		3.8 3.4	3.6	
				Bottom	6.5	24.7 24.6	24.7	8.4 8.4	8.4	34.4 34.5	34.4	90.2 89.0	89.6	5.8 5.7	5.7		1.3 1.7	1.5		4.0 3.6	3.8	
M4	Sunny	Calm	10:39	Surface	1.0	24.9 24.8	24.9	8.5 8.5	8.5	33.0 33.0	33.0	103.6 104.0	103.8	6.6 6.7	6.6	6.5	0.6 0.6	0.6	1.1	3.0 2.8	2.9	2.8
				Middle	5.0	24.8 24.8	24.8	8.6 8.6	8.6	34.5 34.5	34.5	99.3 99.4	99.4	6.3 6.3	6.3		1.1 1.1	1.1		2.9 2.6	2.8	
				Bottom	9.0	24.7 24.7	24.7	8.6 8.5	8.5	34.5 34.5	34.5	94.4 93.9	94.2	6.0 6.0	6.0		1.5 1.5	1.5		2.6 2.6	2.6	
M5	Sunny	Calm	11:29	Surface	1.0	24.9 24.9	24.9	8.4 8.4	8.4	34.4 34.4	34.4	97.1 96.9	97.0	6.2 6.2	6.2	6.1	1.0 1.0	1.0	1.4	2.6 3.3	3.0	3.1
				Middle	6.1	24.8 24.8	24.8	8.4 8.4	8.4	34.4 34.4	34.4	94.6 95.1	94.9	6.0 6.1	6.0		1.4 1.4	1.4		3.3 3.1	3.2	
				Bottom	11.0	24.8 24.8	24.8	8.4 8.4	8.4	34.4 34.4	34.4	90.9 90.7	90.8	5.8 5.8	5.8		1.6 1.7	1.6		3.1 3.4	3.3	
M6	Sunny	Calm	11:23	Surface	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	2.2	-	-	3.5
				Middle	2.0	24.9 24.9	24.9	8.4 8.4	8.4	34.3 34.4	34.3	99.1 98.7	98.9	6.3 6.3	6.3		2.2 2.2	2.2		3.0 4.0	3.5	
				Bottom	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 27 November 2020 (Mid-Ebb Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.5 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 2.7 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.2 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.8 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.2 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.0 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 4.3 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 30 November 2020

(Mid-Ebb Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)	Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Sunny	Calm	9:32	Surface	1.0	23.0 23.0	23.0	8.4 8.4	8.4	33.1 33.1	33.1	109.7 110.2	110.0	7.8 7.8	7.8	7.7	1.8 1.8	1.8	2.0	4.6 4.5	4.6	4.6
				Middle	8.6	22.8 22.8	22.8	8.4 8.4	8.4	33.3 33.3	33.3	107.4 107.6	107.4	7.6 7.6	7.6		2.2 2.2	2.2		4.2 4.3	4.5	
				Bottom	16.0	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	107.4 107.5	107.5	7.6 7.6	7.6		2.2 2.1	2.2		4.4 5.3	4.9	
C2	Sunny	Calm	8:02	Surface	1.1	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	110.7 111.1	110.9	7.8 7.9	7.9	7.7	1.9 1.9	1.9	2.2	3.8 3.9	3.9	4.1
				Middle	16.0	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.6 106.7	106.7	7.6 7.6	7.6		2.4 2.3	2.4		4.2 4.0	4.1	
				Bottom	31.0	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	105.6 105.4	105.5	7.5 7.5	7.5		2.5 2.5	2.5		4.0 4.5	4.3	
G1	Sunny	Calm	8:41	Surface	1.0	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	110.6 110.8	110.7	7.8 7.8	7.8	7.8	1.7 1.8	1.8	2.0	5.4 4.5	5.0	4.2
				Middle	3.7	22.9 22.9	22.9	8.5 8.5	8.5	33.2 33.2	33.2	109.0 109.6	109.3	7.7 7.8	7.8		2.1 2.1	2.1		3.7 4.2	4.0	
				Bottom	6.6	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.4 106.2	106.3	7.6 7.5	7.6		2.1 2.1	2.1		3.6 3.7	3.7	
G2	Sunny	Calm	8:23	Surface	1.0	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	110.7 110.8	110.8	7.8 7.9	7.8	7.8	1.8 1.8	1.8	2.0	4.4 3.6	4.0	4.1
				Middle	5.1	23.0 23.0	23.0	8.5 8.5	8.5	33.2 33.2	33.2	110.0 110.4	110.2	7.8 7.8	7.8		2.0 2.0	2.0		4.5 3.8	4.2	
				Bottom	9.0	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.3 106.1	106.2	7.6 7.5	7.5		2.3 2.2	2.3		4.7 3.7	4.2	
G3	Sunny	Calm	8:48	Surface	1.1	22.9 23.0	23.0	8.5 8.5	8.5	33.2 33.2	33.2	107.5 108.4	108.0	7.6 7.7	7.7	7.7	2.1 2.0	2.0	2.2	4.6 4.2	4.4	4.0
				Middle	3.8	22.9 22.9	22.9	8.5 8.5	8.5	33.3 33.3	33.3	107.9 108.3	108.1	7.7 7.7	7.7		2.3 2.2	2.2		4.1 4.1	4.1	
				Bottom	6.5	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	107.0 106.7	106.9	7.6 7.6	7.6		2.2 2.2	2.2		3.5 3.4	3.5	
G4	Sunny	Calm	9:04	Surface	1.0	23.1 23.1	23.1	8.4 8.4	8.4	33.1 33.1	33.1	109.7 110.3	110.0	7.8 7.8	7.8	7.8	1.9 1.8	1.8	2.0	4.3 3.2	3.8	3.5
				Middle	3.8	22.9 22.9	22.9	8.4 8.4	8.4	33.3 33.2	33.3	108.4 109.0	108.7	7.7 7.7	7.7		2.3 2.0	2.2		4.3 3.1	3.7	
				Bottom	6.6	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.5 106.3	106.4	7.6 7.6	7.6		2.2 2.1	2.1		3.0 3.3	3.2	
M1	Sunny	Calm	8:28	Surface	1.0	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	109.4 110.1	109.8	7.8 7.8	7.8	7.7	1.9 1.9	1.9	2.0	4.0 3.2	3.6	3.0
				Middle	3.1	22.9 22.9	22.9	8.5 8.5	8.5	33.2 33.2	33.2	108.7 108.8	108.8	7.7 7.7	7.7		2.1 2.0	2.0		2.9 3.0	3.0	
				Bottom	5.0	22.9 22.9	22.9	8.5 8.5	8.5	33.2 33.2	33.2	108.0 107.8	107.9	7.7 7.7	7.7		2.2 2.1	2.1		2.8 2.0	2.4	
M2	Sunny	Calm	8:18	Surface	1.0	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	109.3 110.0	109.7	7.7 7.8	7.8	7.7	1.9 1.8	1.8	2.1	3.3 2.9	3.1	2.9
				Middle	5.3	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	107.5 107.9	107.7	7.6 7.7	7.7		2.1 2.2	2.2		3.1 2.7	2.9	
				Bottom	9.5	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.7 106.5	106.6	7.6 7.6	7.6		2.2 2.2	2.2		3.1 2.5	2.8	
M3	Sunny	Calm	8:56	Surface	1.0	23.0 23.0	23.0	8.4 8.4	8.4	33.1 33.1	33.1	110.5 110.7	110.6	7.8 7.8	7.8	7.8	1.8 1.8	1.8	2.0	2.6 3.5	3.1	3.2
				Middle	3.8	22.9 22.9	22.9	8.4 8.4	8.4	33.2 33.2	33.2	108.8 109.5	109.2	7.7 7.8	7.7		2.0 2.0	2.0		2.7 3.6	3.2	
				Bottom	6.6	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.4 106.3	106.4	7.6 7.6	7.6		2.1 2.2	2.1		3.8 3.1	3.5	
M4	Sunny	Calm	8:10	Surface	1.1	23.1 23.1	23.1	8.5 8.5	8.5	33.1 33.1	33.1	111.3 111.2	111.3	7.9 7.9	7.9	7.9	1.9 1.9	1.9	2.0	3.4 3.6	3.5	3.2
				Middle	5.0	23.0 23.0	23.0	8.5 8.5	8.5	33.1 33.1	33.1	110.7 110.9	110.8	7.8 7.9	7.8		1.7 1.8	1.8		3.0 3.6	3.3	
				Bottom	9.1	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.7 106.5	106.6	7.6 7.6	7.6		2.3 2.3	2.3		2.8 3.0	2.9	
M5	Sunny	Calm	9:21	Surface	1.0	23.0 23.1	23.1	8.4 8.4	8.4	33.1 33.1	33.1	110.0 110.5	110.3	7.8 7.8	7.8	7.7	1.8 1.8	1.8	2.1	4.5 5.1	4.8	4.1
				Middle	5.5	22.8 22.8	22.8	8.5 8.4	8.4	33.3 33.3	33.3	107.3 107.8	107.6	7.6 7.7	7.6		2.2 2.1	2.1		4.0 5.0	4.5	
				Bottom	10.0	22.8 22.8	22.8	8.5 8.5	8.5	33.3 33.3	33.3	106.3 106.1	106.2	7.6 7.5	7.5		2.2 2.2	2.2		3.3 2.9	3.1	
M6	Sunny	Calm	9:11	Surface	-	-	-	-	-	-	-	-	-	-	7.7	-	-	2.0	-	-	3.7	
				Middle	2.1	22.9 22.9	22.9	8.5 8.4	8.4	33.2 33.2	33.2	108.6 108.6	108.6	7.7 7.7		7.7	2.0 2.0		2.0	4.1 3.2		3.7
				Bottom	-	-	-	-	-	-	-	-	-	-		-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.

Appendix I - Action and Limit Levels for Marine Water Quality on 30 November 2020 (Mid-Ebb Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>C2: 3.0 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>C2: 3.2 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.6 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.0 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 4.6 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.0 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>C2: 5.1 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>C2: 5.5 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Water Quality Monitoring Results on 30 November 2020

(Mid-Flood Tide)

Location	Weather Condition	Sea Condition**	Sampling Time	Depth (m)	Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)			
					Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*	
C1	Sunny	Calm	13:50	Surface	1.1	21.2 21.1	21.1	8.5 8.4	8.4	33.2 33.2	33.2	108.5 109.1	108.8	7.7 7.7	7.7	7.7	1.9 1.8	1.9	2.1	2.9 3.0	3.0	3.5
				Middle	9.0	20.9 21.7	21.3	8.5 8.5	8.5	33.3 33.3	33.3	107.0 107.0	107.0	7.6 7.6	7.6	7.6	2.2 2.2	2.2		3.7 3.4	3.6	
				Bottom	17.0	20.9 20.9	20.9	8.5 8.5	8.5	33.3 33.3	33.3	107.2 107.3	107.3	7.6 7.6	7.6	7.6	2.3 2.3	2.3		4.1 3.7	3.9	
C2	Sunny	Calm	12:07	Surface	1.1	21.3 20.9	21.1	8.5 8.5	8.5	33.1 33.1	33.1	111.2 111.4	111.3	7.9 7.9	7.9	7.7	1.9 1.8	1.8	2.2	2.1 2.7	2.4	3.0
				Middle	16.5	20.9 20.9	20.9	8.5 8.5	8.5	33.3 33.3	33.3	106.9 107.1	107.0	7.6 7.6	7.6	7.6	2.3 2.3	2.3		3.3 2.9	3.1	
				Bottom	32.0	20.9 20.9	20.9	8.5 8.5	8.5	33.3 33.3	33.3	105.3 105.3	105.3	7.5 7.5	7.5	7.5	2.4 2.4	2.4		3.6 3.3	3.5	
G1	Sunny	Calm	12:46	Surface	1.1	21.5 20.9	21.2	8.5 8.5	8.5	33.1 33.1	33.1	109.9 110.4	110.2	7.8 7.8	7.8	7.7	1.8 1.7	1.7	2.0	4.3 4.6	4.5	5.1
				Middle	4.1	20.9 20.8	20.9	8.5 8.5	8.5	33.2 33.2	33.2	108.2 108.5	108.4	7.7 7.7	7.7	7.7	2.2 2.2	2.2		5.0 5.6	5.3	
				Bottom	7.1	20.8 20.8	20.8	8.5 8.5	8.5	33.3 33.3	33.3	107.1 106.7	106.9	7.6 7.6	7.6	7.6	2.1 2.1	2.1		5.3 6.0	5.7	
G2	Sunny	Calm	12:26	Surface	1.1	21.5 20.9	21.2	8.5 8.5	8.5	33.1 33.1	33.1	110.0 110.4	110.2	7.8 7.8	7.8	7.8	1.8 1.8	1.8	2.0	5.2 4.3	4.8	3.7
				Middle	5.1	20.9 20.9	20.9	8.5 8.5	8.5	33.2 33.2	33.2	108.9 109.5	109.2	7.7 7.7	7.7	7.7	2.0 2.0	2.1		4.1 3.5	3.8	
				Bottom	9.1	20.8 20.9	20.9	8.5 8.5	8.5	33.3 33.3	33.3	106.9 106.6	106.8	7.6 7.6	7.6	7.6	2.3 2.3	2.3		2.1 3.0	2.6	
G3	Sunny	Calm	12:53	Surface	1.1	21.5 20.9	21.2	8.5 8.5	8.5	33.1 33.1	33.1	109.2 109.9	109.6	7.7 7.8	7.8	7.8	1.9 1.8	1.9	2.1	3.2 3.4	3.3	3.1
				Middle	4.0	20.8 20.9	20.9	8.5 8.5	8.5	33.2 33.2	33.2	108.9 109.6	109.3	7.7 7.8	7.8	7.8	2.1 2.1	2.1		2.9 3.0	3.0	
				Bottom	7.0	20.7 20.8	20.8	8.5 8.5	8.5	33.3 33.3	33.3	106.4 106.2	106.3	7.6 7.6	7.6	7.6	2.2 2.2	2.2		3.0 2.8	2.9	
G4	Sunny	Calm	13:06	Surface	1.0	21.4 21.0	21.2	8.4 8.4	8.4	33.1 33.1	33.1	110.6 110.7	110.7	7.8 7.8	7.8	7.8	1.9 1.9	1.9	2.0	3.9 3.2	3.6	3.2
				Middle	4.1	21.0 21.0	21.0	8.4 8.4	8.4	33.2 33.2	33.2	109.6 110.2	109.9	7.8 7.8	7.8	7.8	2.0 2.0	2.0		3.1 3.7	3.4	
				Bottom	7.1	20.9 20.9	20.9	8.5 8.5	8.5	33.3 33.3	33.3	106.2 106.2	106.2	7.6 7.5	7.5	7.5	2.2 2.2	2.2		3.0 2.5	2.8	
M1	Sunny	Calm	12:32	Surface	1.1	21.4 21.1	21.2	8.5 8.5	8.5	33.1 33.1	33.1	110.5 110.7	110.6	7.8 7.8	7.8	7.8	1.9 1.8	1.8	2.0	1.8 2.3	2.1	2.8
				Middle	3.1	20.9 21.0	20.9	8.5 8.5	8.5	33.2 33.2	33.2	109.1 109.5	109.3	7.7 7.8	7.8	7.8	2.0 2.0	2.0		3.0 2.9	3.0	
				Bottom	5.0	20.8 20.8	20.8	8.5 8.5	8.5	33.3 33.3	33.3	107.6 107.4	107.5	7.6 7.6	7.6	7.6	2.1 2.3	2.2		3.1 3.4	3.3	
M2	Sunny	Calm	12:20	Surface	1.1	21.9 20.9	21.4	8.5 8.5	8.5	33.1 33.1	33.1	110.5 110.8	110.7	7.8 7.8	7.8	7.8	1.8 1.7	1.7	2.0	3.2 2.4	2.8	3.4
				Middle	5.5	20.8 20.9	20.8	8.5 8.5	8.5	33.3 33.2	33.2	108.5 109.2	108.9	7.7 7.8	7.7	7.7	2.1 2.1	2.1		2.9 3.7	3.3	
				Bottom	10.0	20.8 20.8	20.8	8.5 8.5	8.5	33.3 33.3	33.3	106.3 106.1	106.2	7.6 7.5	7.5	7.5	2.2 2.3	2.3		4.4 3.6	4.0	
M3	Sunny	Calm	13:00	Surface	1.0	21.7 21.0	21.3	8.4 8.4	8.4	33.1 33.1	33.1	109.8 110.2	110.0	7.8 7.8	7.8	7.7	1.8 1.8	1.8	2.0	3.4 3.3	3.4	2.6
				Middle	4.1	20.9 20.9	20.9	8.4 8.4	8.4	33.3 33.3	33.3	107.8 109.2	108.0	7.7 7.7	7.7	7.7	2.0 2.1	2.1		2.7 2.2	2.5	
				Bottom	7.0	20.7 20.8	20.7	8.5 8.5	8.5	33.3 33.3	33.3	107.0 106.8	106.9	7.6 7.6	7.6	7.6	2.1 2.1	2.1		1.9 2.2	2.1	
M4	Sunny	Calm	12:13	Surface	1.0	21.3 21.0	21.1	8.5 8.5	8.5	33.1 33.1	33.1	111.3 111.3	111.3	7.9 7.9	7.9	7.8	1.7 1.8	1.8	1.9	2.7 3.3	3.0	3.1
				Middle	5.1	20.9 20.8	20.9	8.5 8.5	8.5	33.1 33.1	33.1	110.3 110.5	110.4	7.8 7.9	7.8	7.8	1.7 1.7	1.7		2.9 3.3	3.1	
				Bottom	9.0	20.8 20.9	20.8	8.5 8.5	8.5	33.3 33.3	33.3	107.6 107.1	107.4	7.6 7.6	7.6	7.6	2.3 2.3	2.3		3.3 3.1	3.2	
M5	Sunny	Calm	13:38	Surface	1.1	21.0 21.0	21.0	8.4 8.4	8.4	33.1 33.1	33.1	110.9 111.1	111.0	7.9 7.9	7.9	7.8	1.7 1.7	1.7	2.0	2.5 3.3	2.9	3.4
				Middle	6.0	20.9 21.8	21.3	8.4 8.4	8.4	33.3 33.2	33.2	108.6 109.4	109.0	7.7 7.8	7.7	7.7	2.0 2.0	2.0		2.9 3.7	3.3	
				Bottom	11.0	20.9 20.9	20.9	8.5 8.5	8.5	33.3 33.3	33.3	106.1 106.2	106.2	7.5 7.6	7.5	7.5	2.2 2.2	2.2		4.4 3.8	4.1	
M6	Sunny	Calm	13:19	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	-	-	3.0	
				Middle	2.2	21.6 21.0	21.3	8.5 8.5	8.5	33.2 33.2	33.2	108.6 108.7	108.7	7.7 7.7	7.7	7.7	2.1 2.1		2.1	3.1 2.9		3.0
				Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-

Remarks: *DA: Depth-Averaged
 **Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.
 ***MWQ Monitoring was only conducted on flood tide

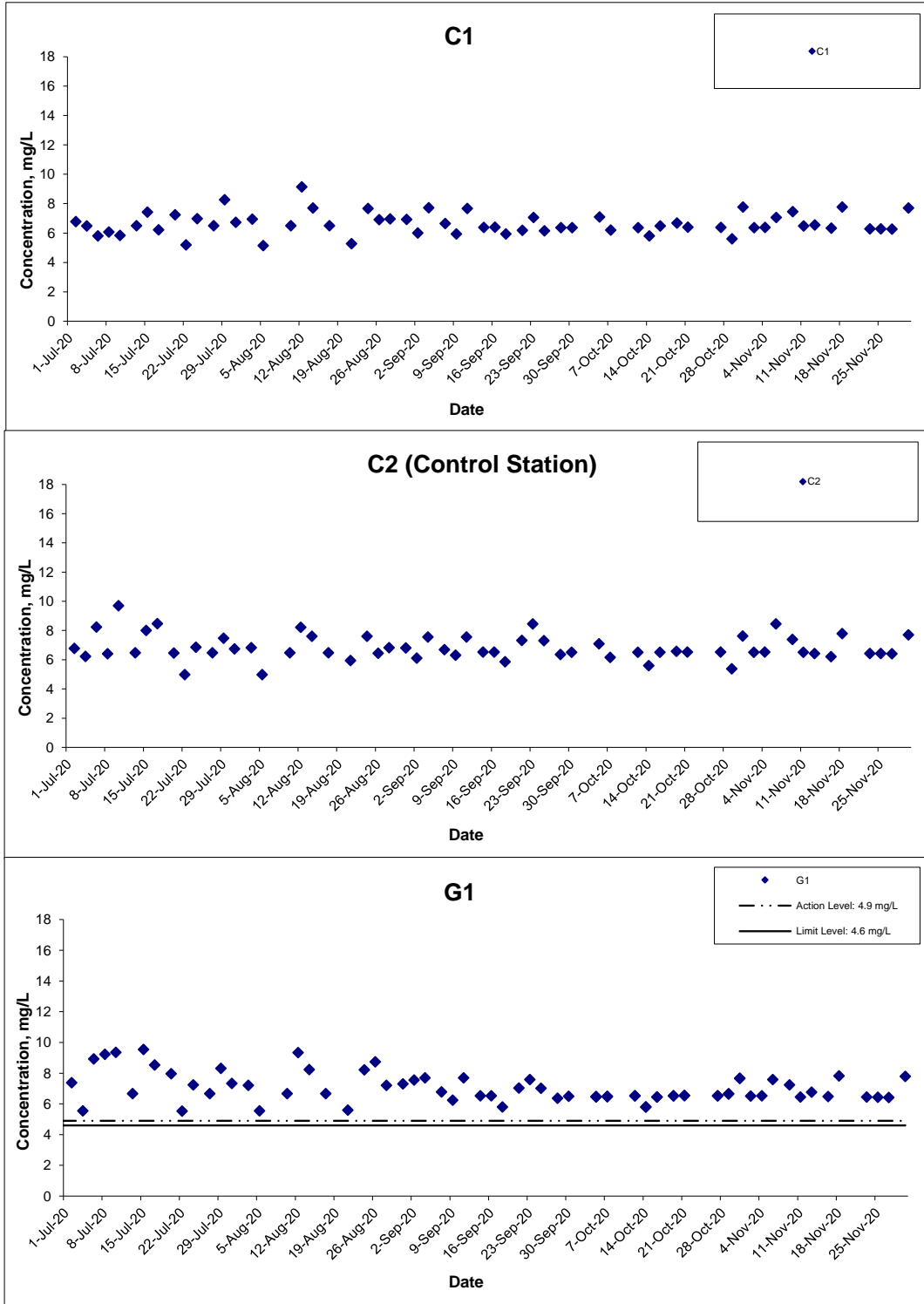
Appendix I - Action and Limit Levels for Marine Water Quality on 30 November 2020 (Mid-Flood Tide)

<u>Parameter (unit)</u>	<u>Depth</u>	<u>Action Level</u>	<u>Limit Level</u>
DO in mg/L (See Note 1 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Depth Average	<u>4.9 mg/L</u>	<u>4.6 mg/L</u>
	Bottom	<u>4.2 mg/L</u>	<u>3.6 mg/L</u>
	<u>Station M6</u>		
	Intake Level	<u>5.0 mg/L</u>	<u>4.7 mg/L</u>
Turbidity in NTU (See Note 2 and 4)	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>19.3 NTU</u>	<u>22.2 NTU</u>
		or 120% of upstream control station's Turbidity at the same tide of the same day <u>CI: 2.8 NTU</u>	or 130% of upstream control station's Turbidity at the same tide of the same day <u>CI: 3.0 NTU</u>
	<u>Station M6</u>		
	Intake Level	<u>19.0 NTU</u>	<u>19.4 NTU</u>
SS in mg/L (See Note 2 and 4)	<u>Stations G1-G4</u>		
	Surface	<u>6.0 mg/L</u>	<u>6.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 3.5 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 3.8 mg/L</u>
	<u>Stations M1-M5</u>		
	Surface	<u>6.2 mg/L</u>	<u>7.4 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 3.5 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 3.8 mg/L</u>
	<u>Stations G1-G4, M1-M5</u>		
	Bottom	<u>6.9 mg/L</u>	<u>7.9 mg/L</u>
		or 120% of upstream control station's SS at the same tide of the same day <u>CI: 4.7 mg/L</u>	or 130% of upstream control station's SS at the same tide of the same day <u>CI: 5.1 mg/L</u>
	<u>Station M6</u>		
Intake Level	<u>8.3 mg/L</u>	<u>8.6 mg/L</u>	

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity, SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.
3. All the figures given in the table are used for reference only and EPD may amend the figures whenever it is considered as necessary.
4. Action and limit values are derived based on baseline water quality monitoring results to show the actual baseline water quality condition.

Dissolved Oxygen (Depth-averaged) at Mid-Ebb Tide



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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

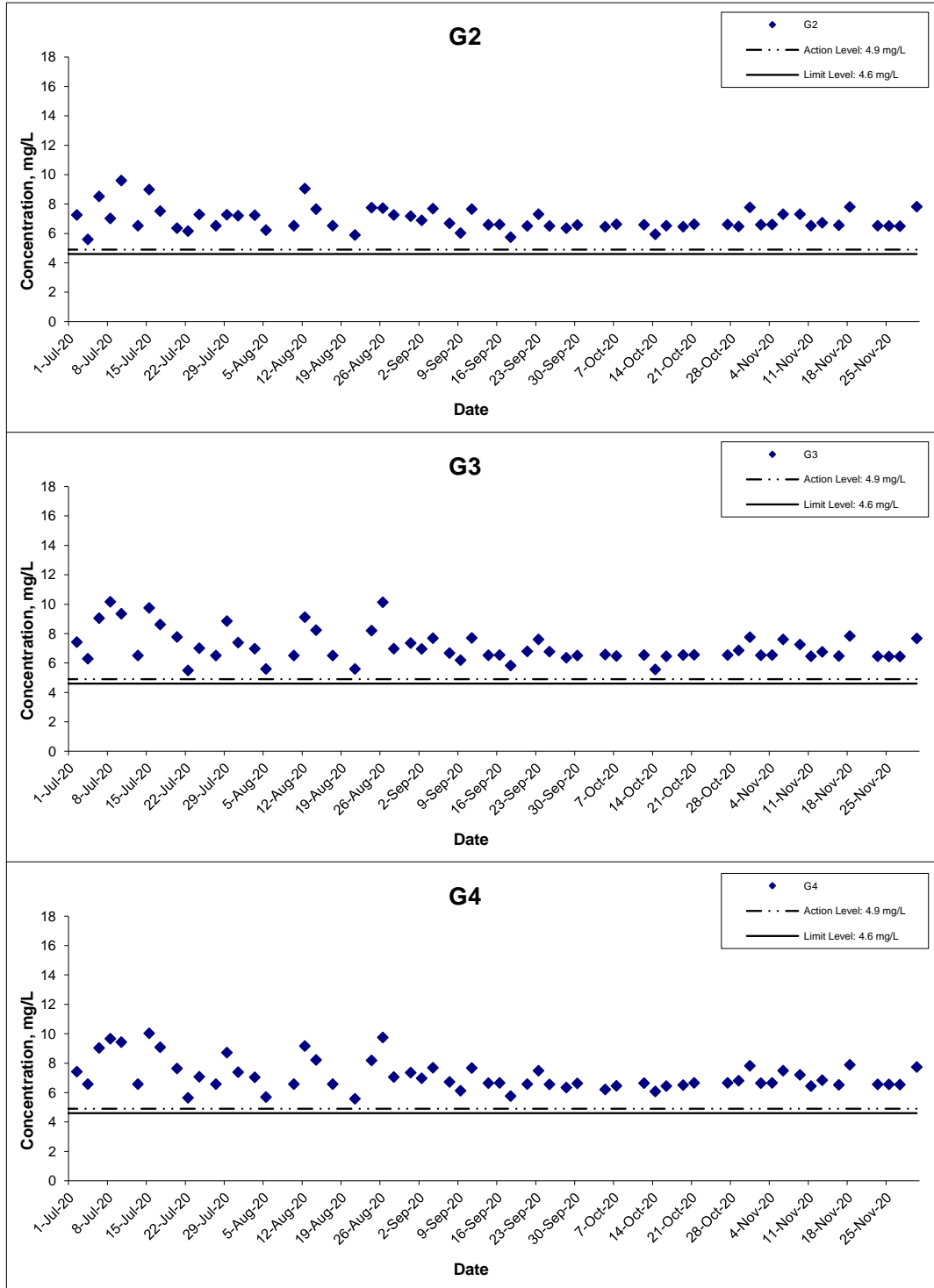
Date Nov20

Project No. MA16034

Appendix I



Dissolved Oxygen (Depth-averaged) at Mid-Ebb Tide



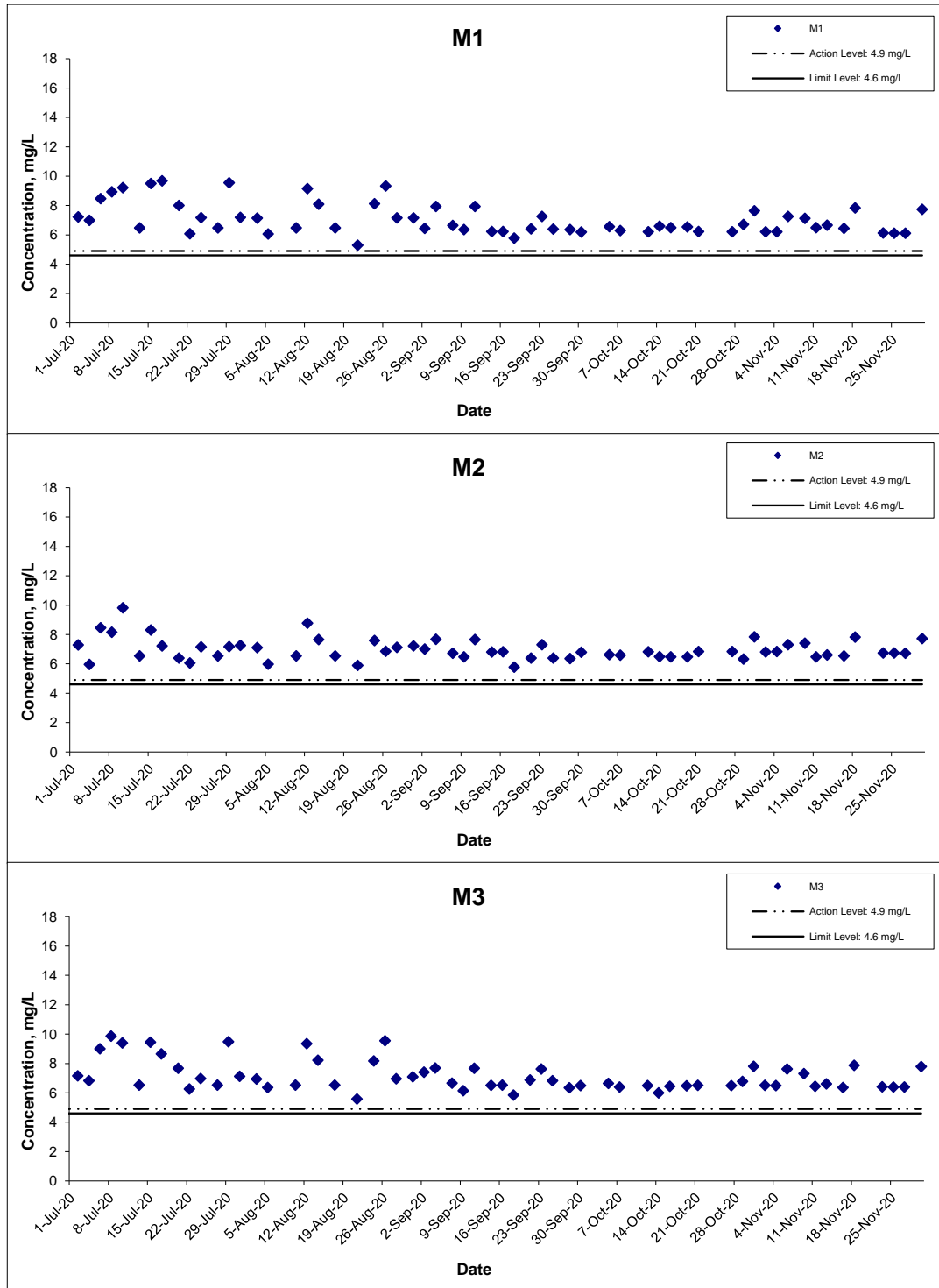
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov20

Project No. MA16034
Appendix I



Dissolved Oxygen (Depth-averaged) at Mid-Ebb Tide



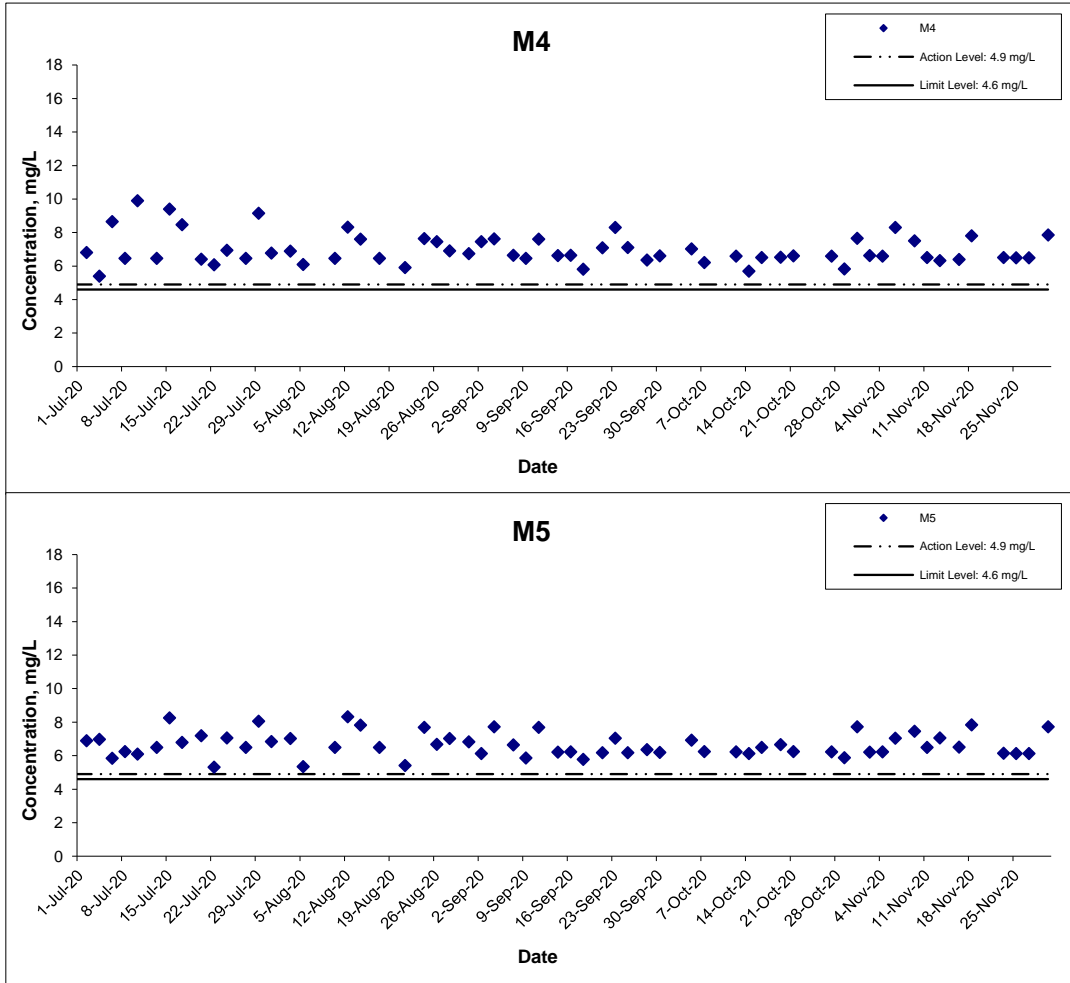
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov20

Project No. MA16034
Appendix I

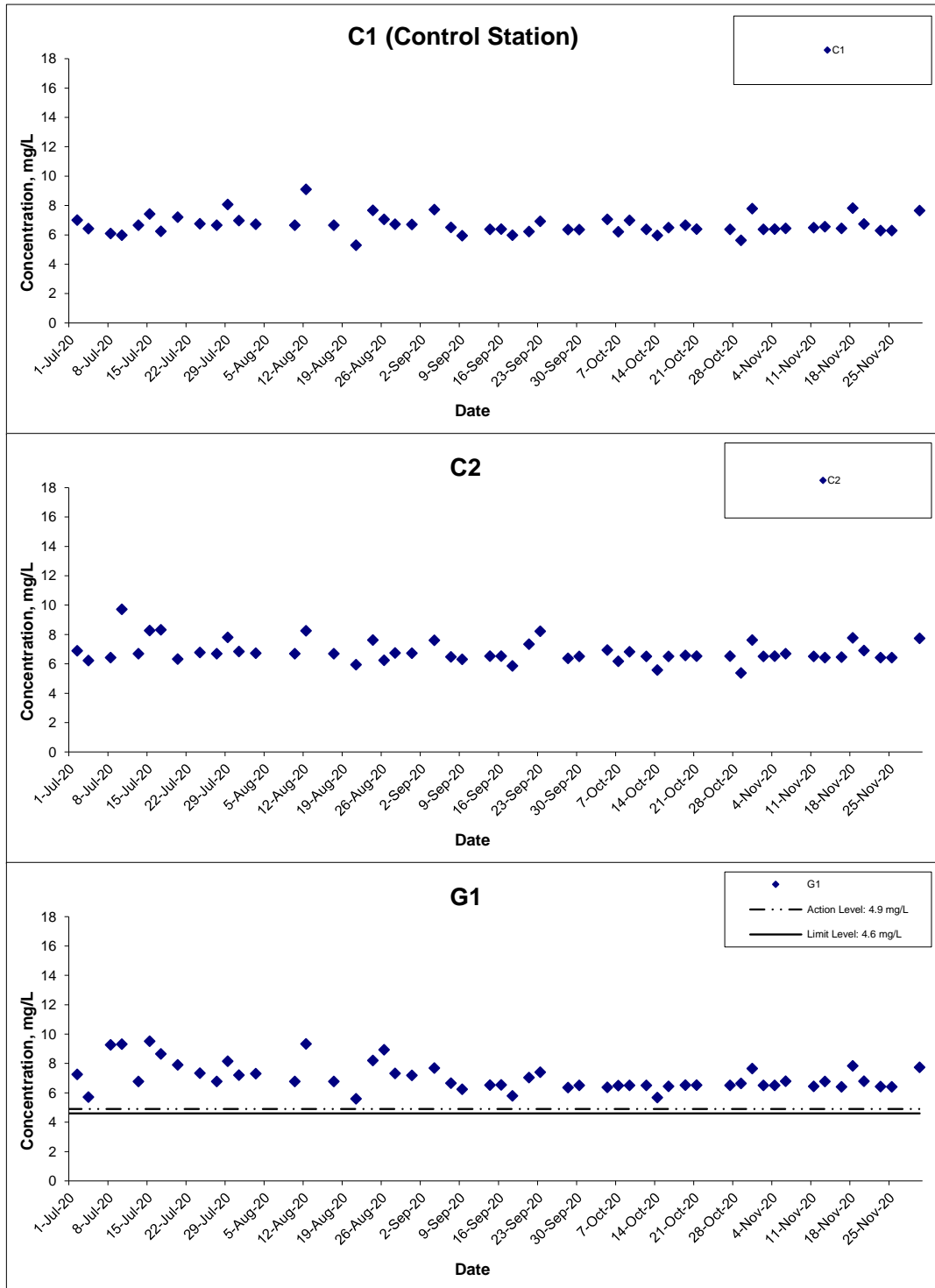


Dissolved Oxygen (Depth-averaged) at Mid-Ebb Tide



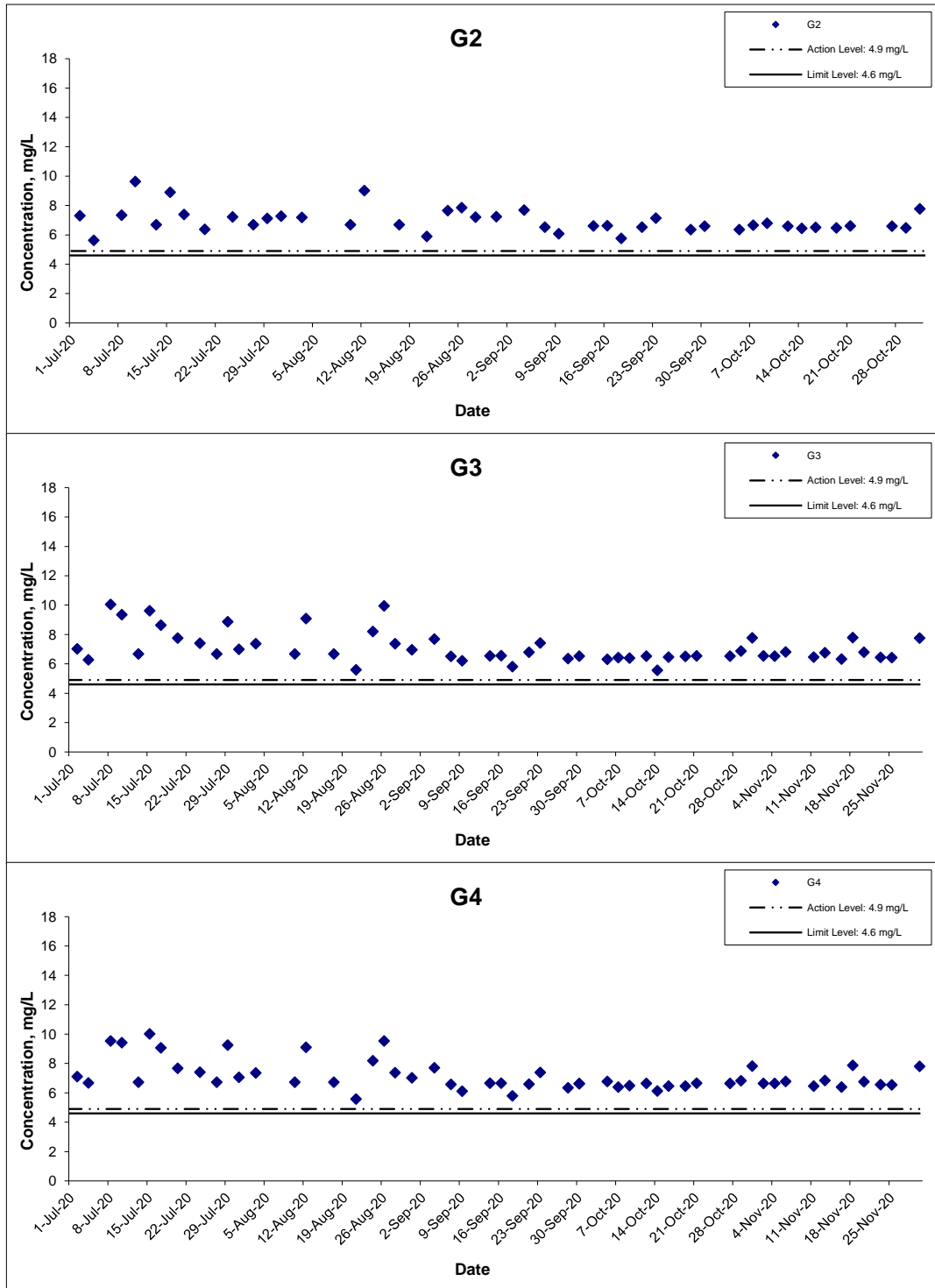
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	Date Nov20	Appendix I	

Dissolved Oxygen (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	CINOTECH
	Date Nov20	Appendix I	

Dissolved Oxygen (Depth-averaged) at Mid-Flood Tide



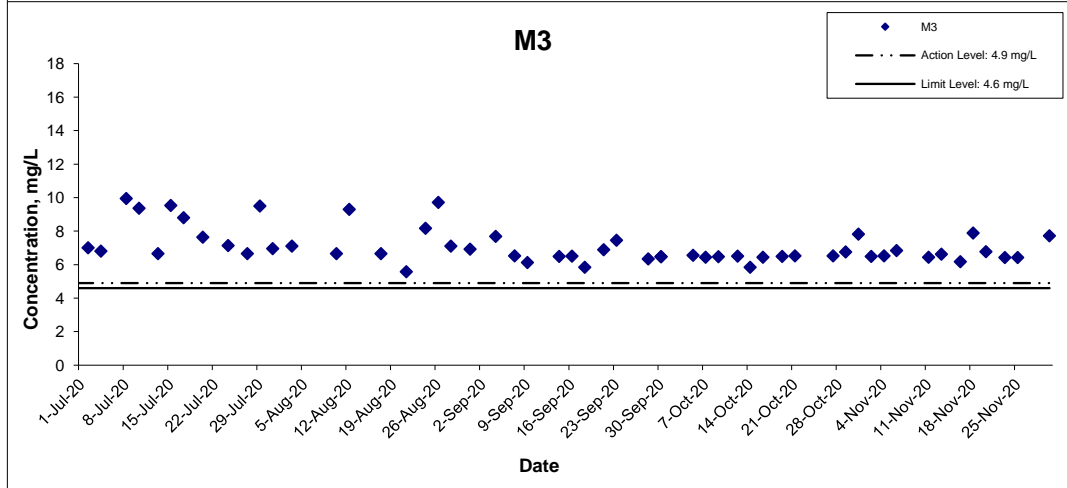
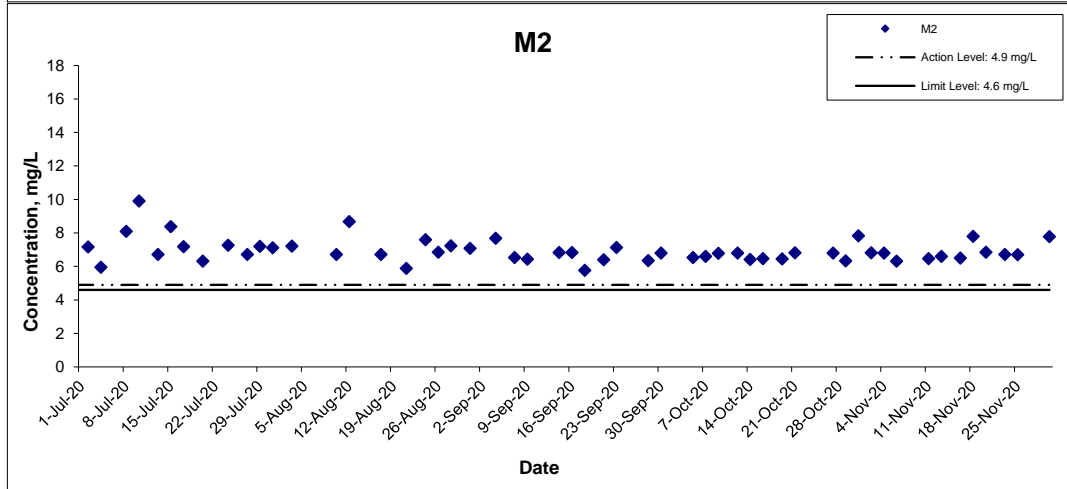
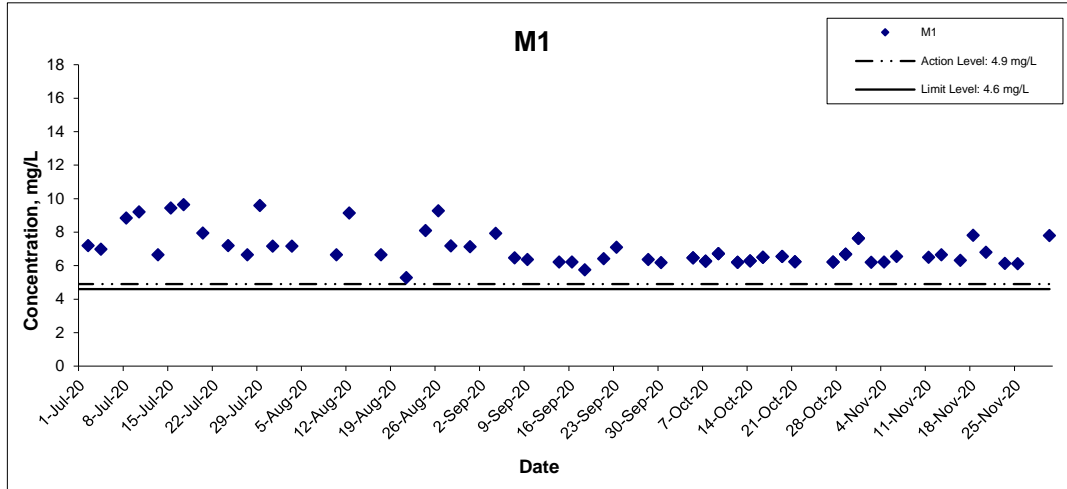
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov20

Project No. MA16034
Appendix I



Dissolved Oxygen (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

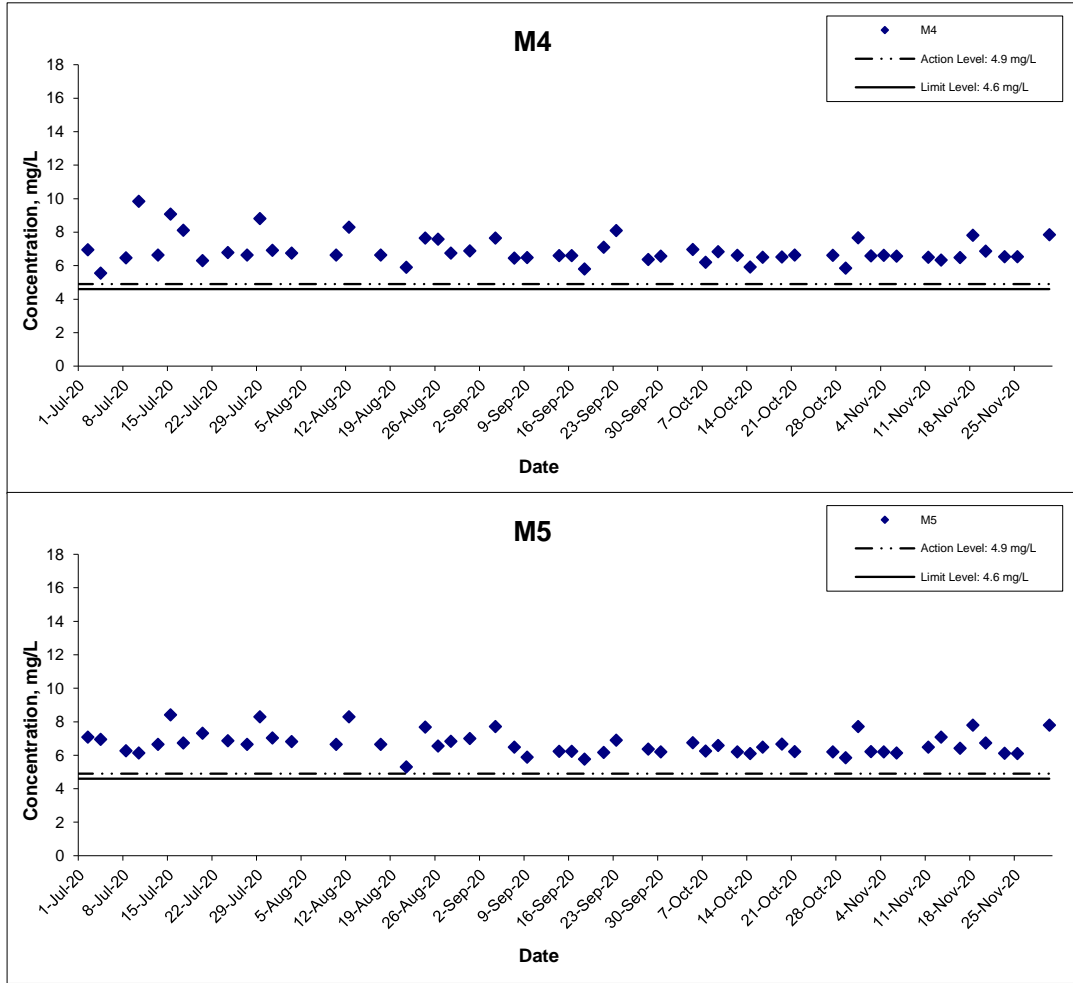
Date Nov20

Project No. MA16034

Appendix I

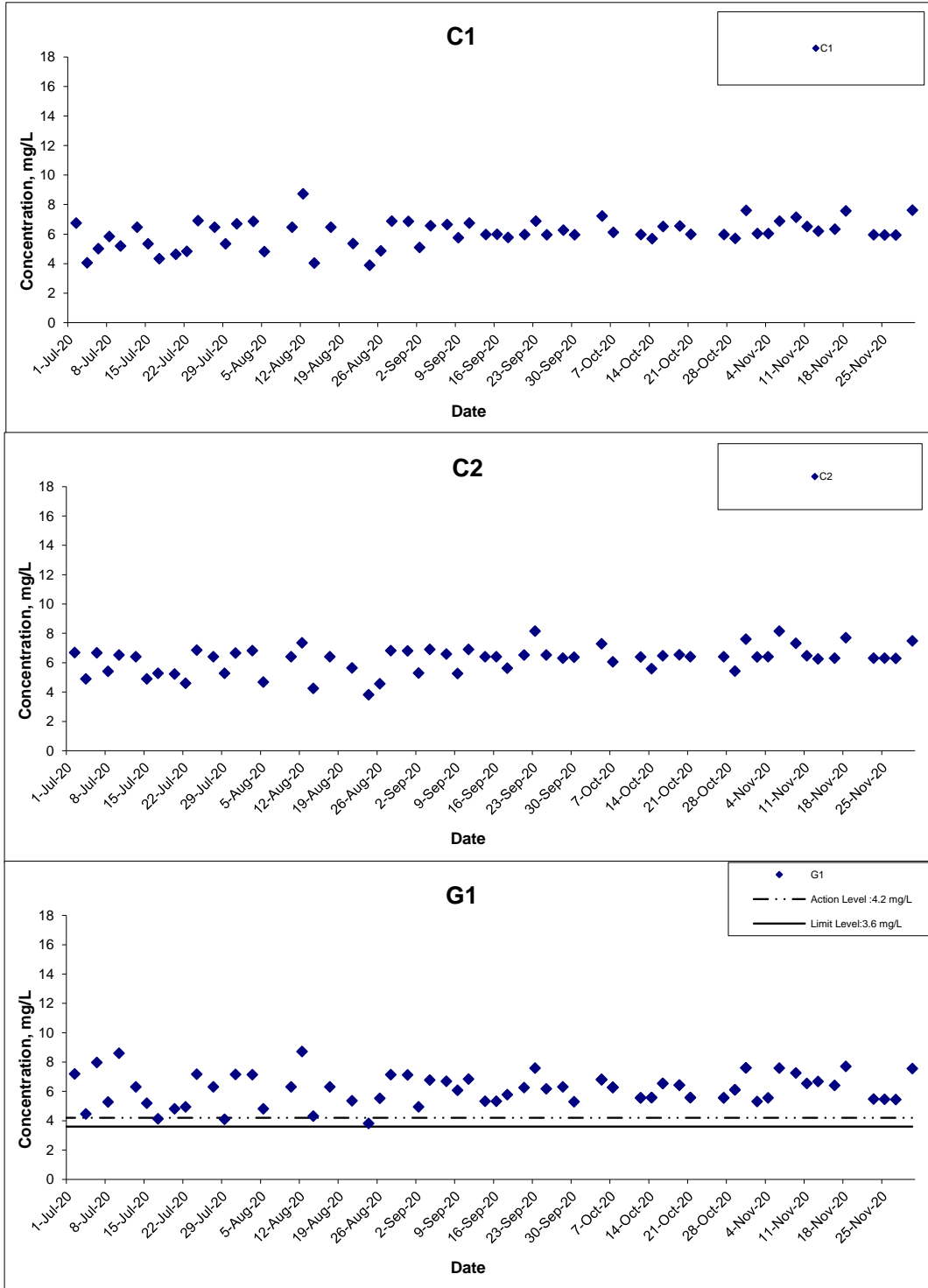


Dissolved Oxygen (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	CINOTECH
	Date Nov20	Appendix I	

Dissolved Oxygen (Bottom) at Mid-Ebb Tide



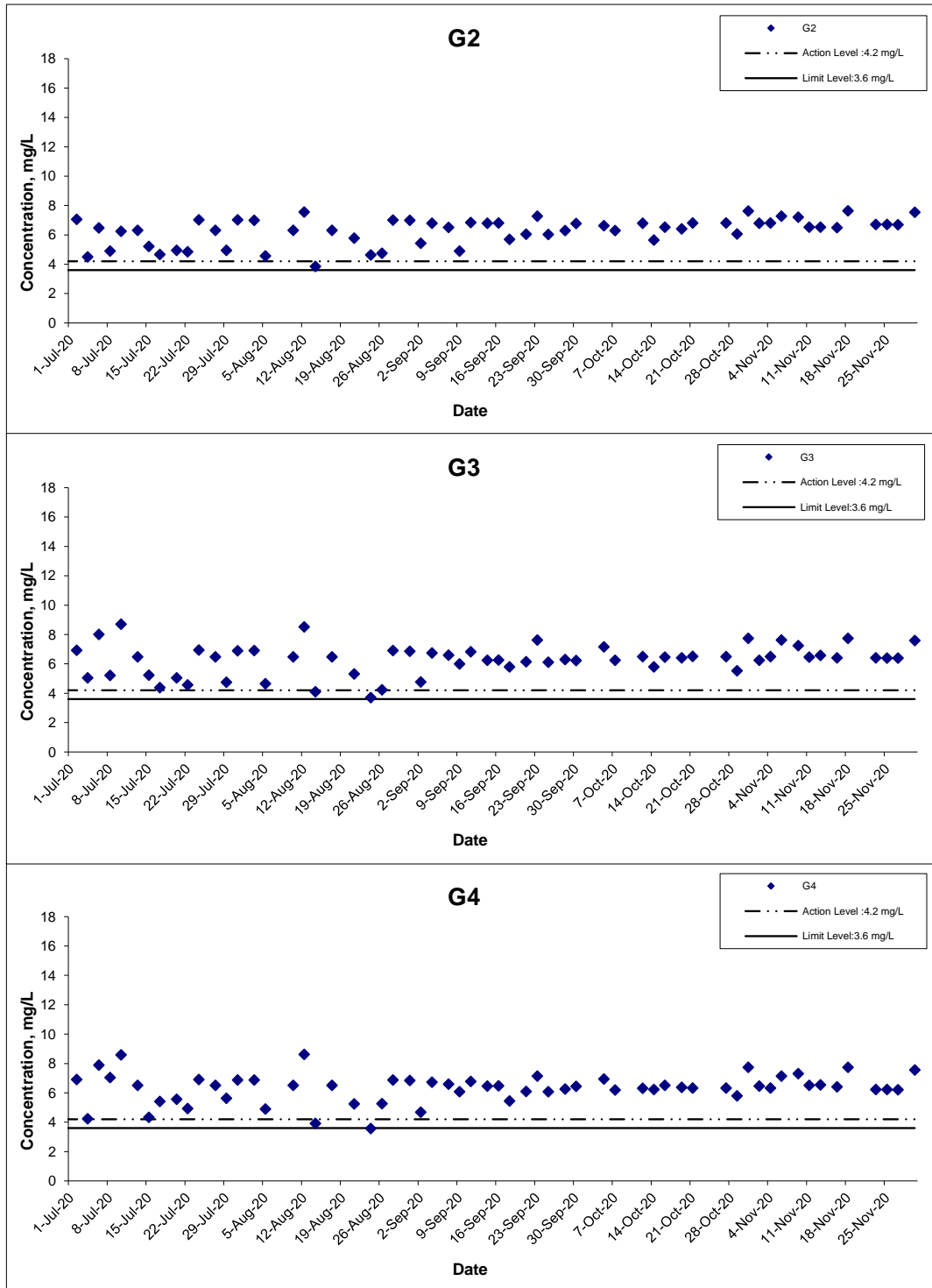
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov20

Project No. MA16034
Appendix I



Dissolved Oxygen (Bottom) at Mid-Ebb Tide



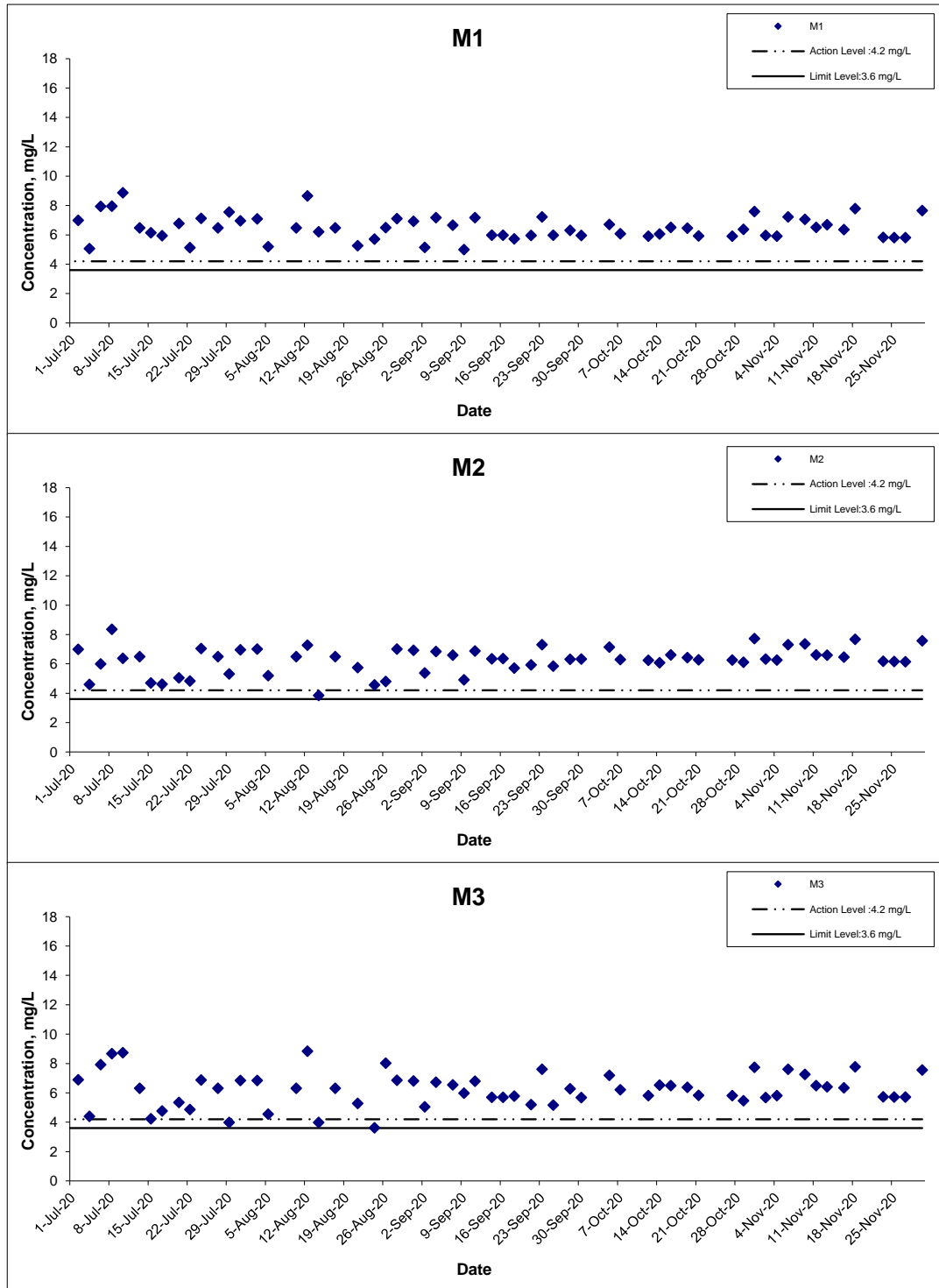
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov20

Project No. MA16034
Appendix I



Dissolved Oxygen (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

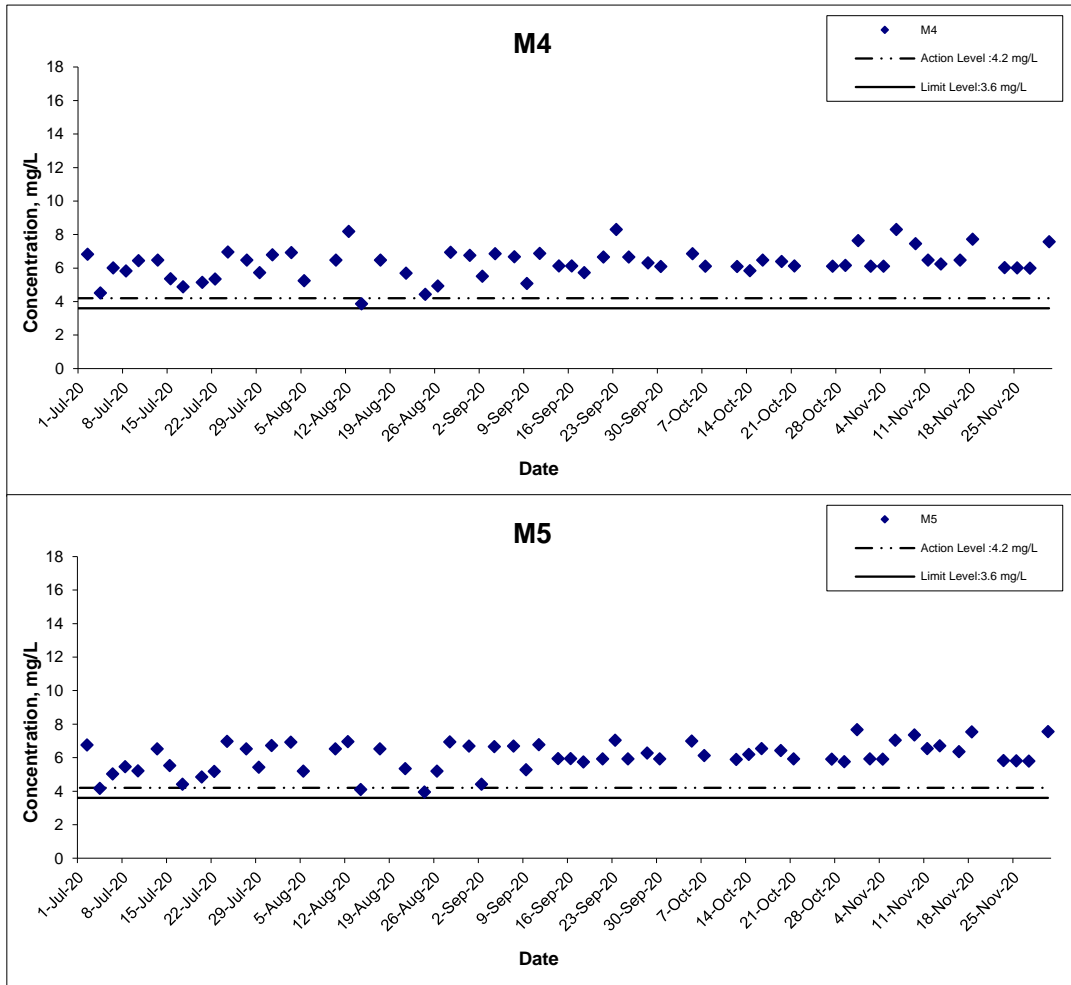
Date Nov20

Project No. MA16034

Appendix I

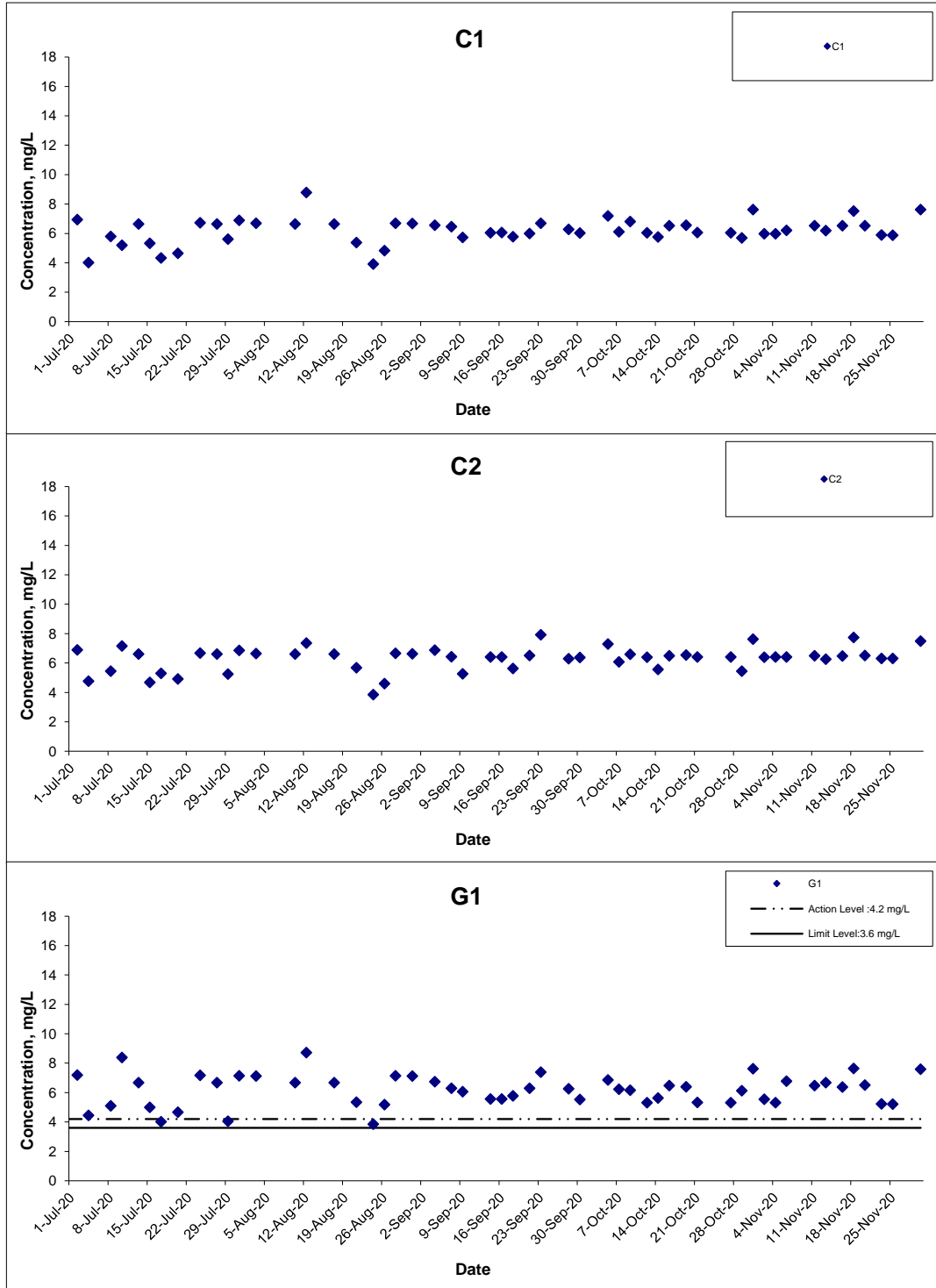


Dissolved Oxygen (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	
	Date Nov20	Appendix I	

Dissolved Oxygen (Bottom) at Mid-Flood Tide



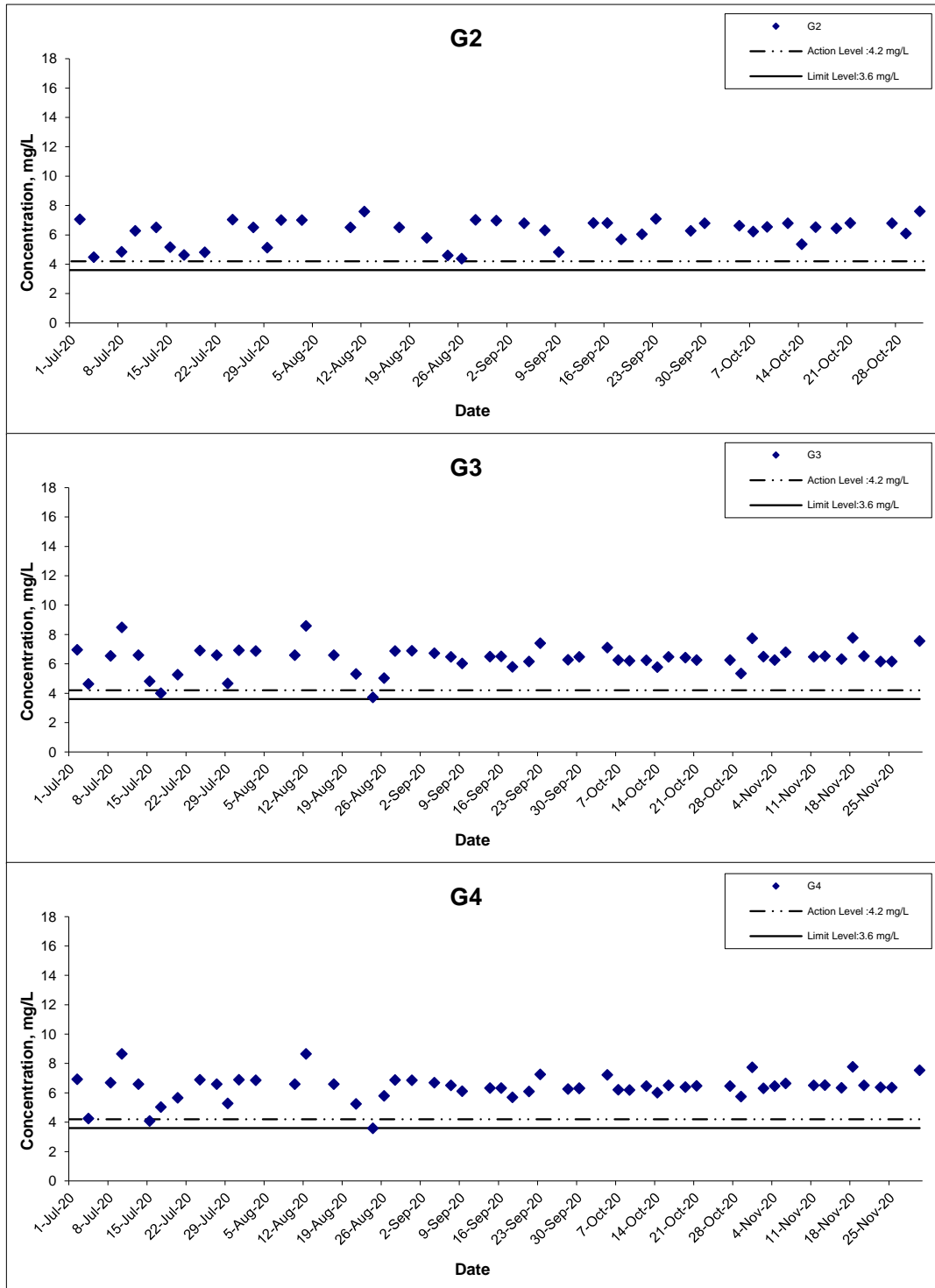
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov20

Project No. MA16034
Appendix I



Dissolved Oxygen (Bottom) at Mid-Flood Tide



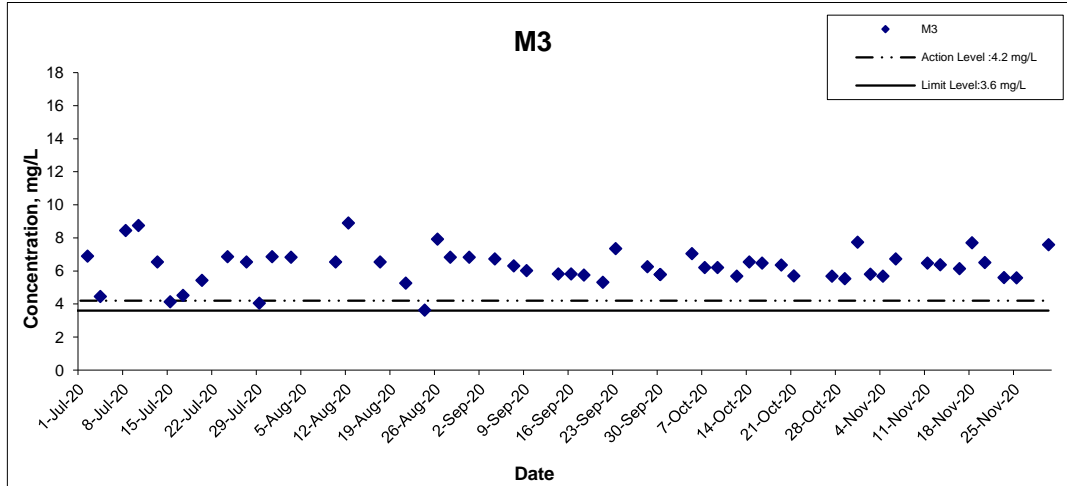
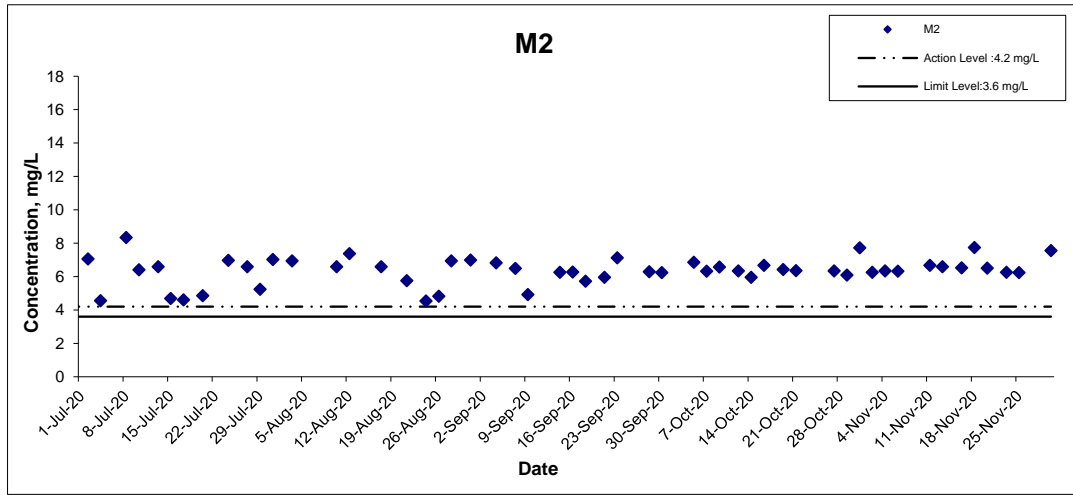
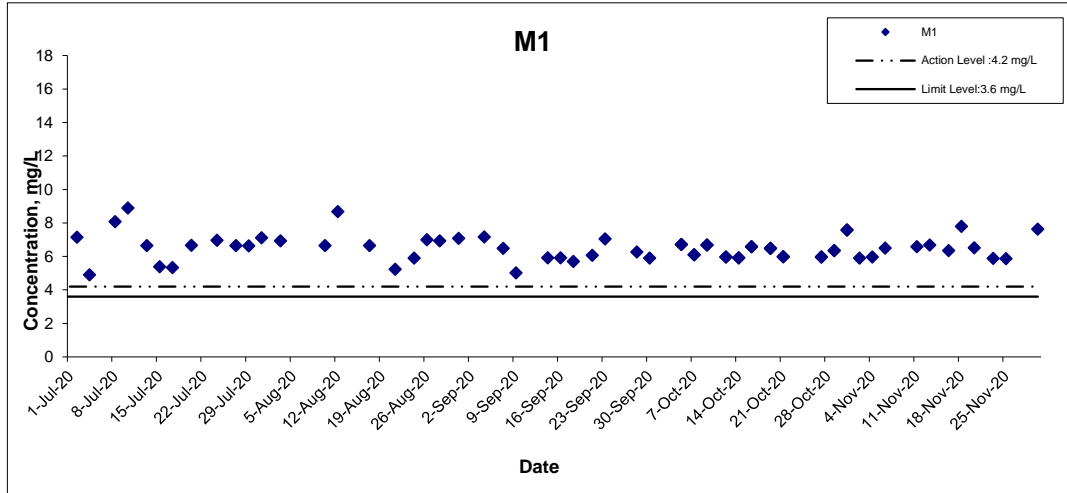
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov20

Project No. MA16034
Appendix I



Dissolved Oxygen (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

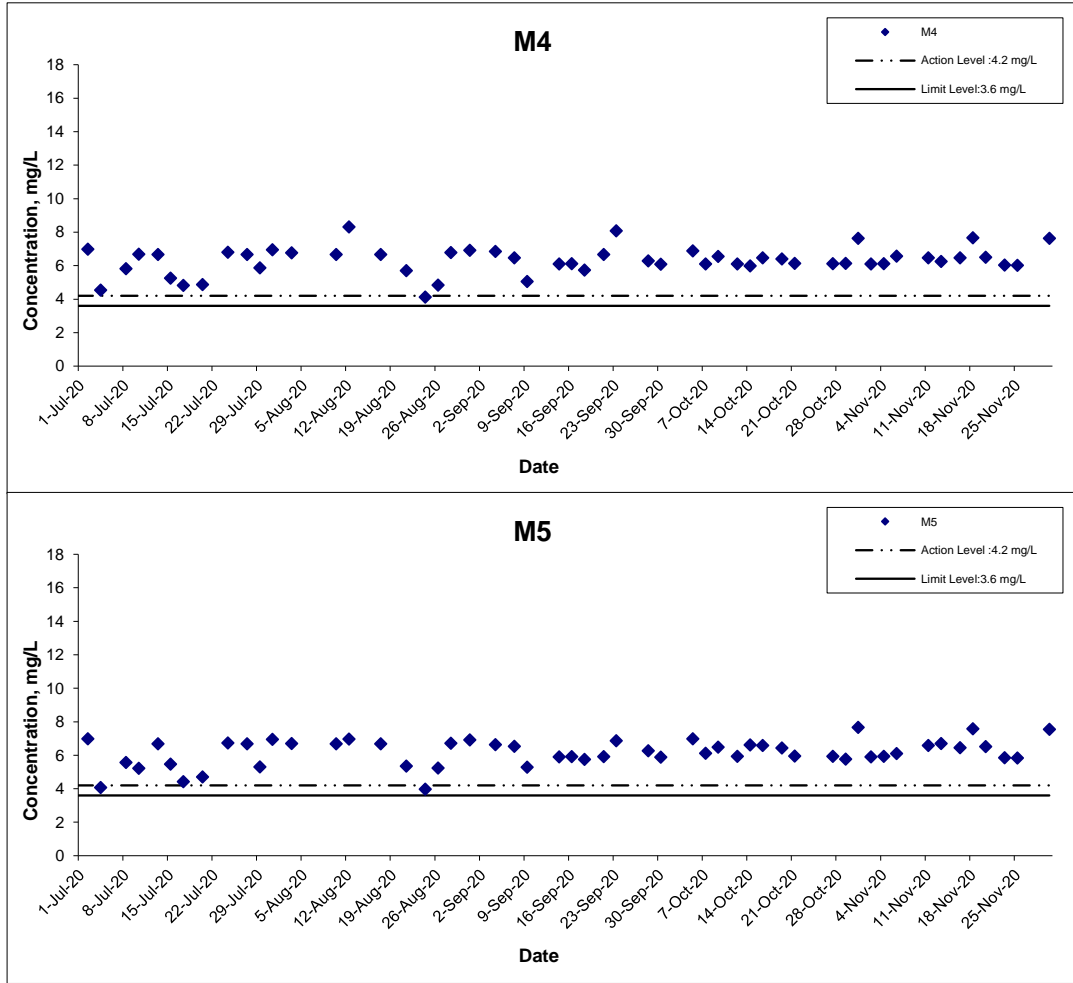
Date Nov20

Project No. MA16034

Appendix I

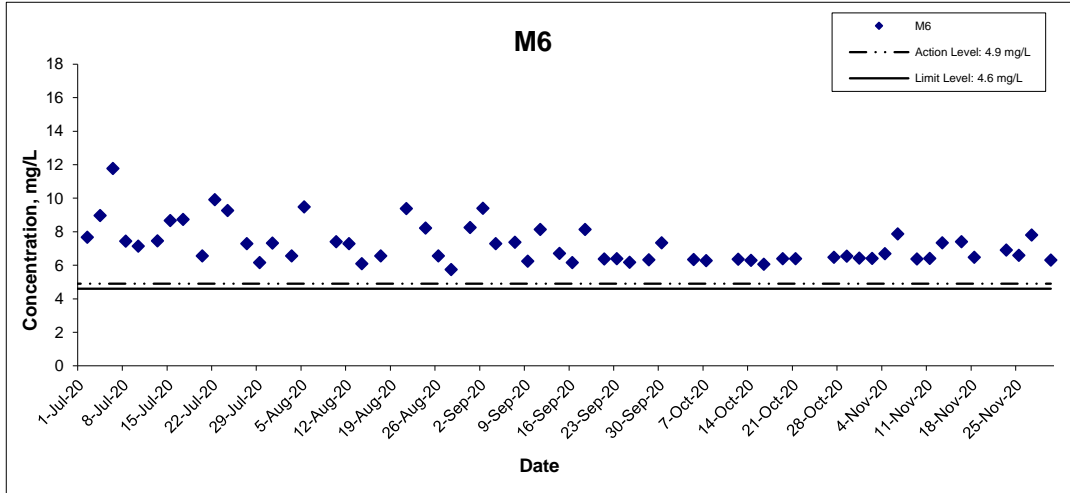


Dissolved Oxygen (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	CINOTECH
	Date Nov20	Appendix I	

Dissolved Oxygen (Intake Level of WSD Salt Water Intake) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

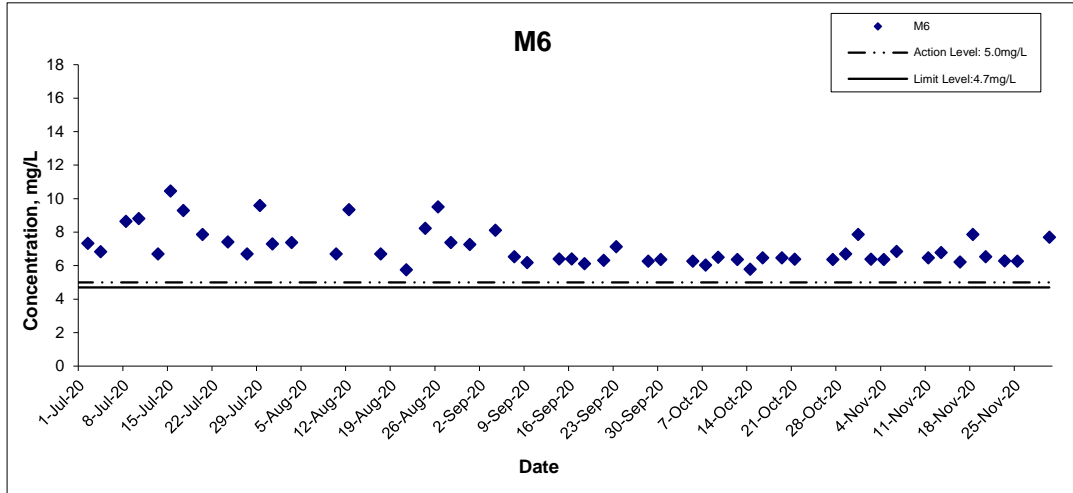
Date Nov20

Project No. MA16034

Appendix I

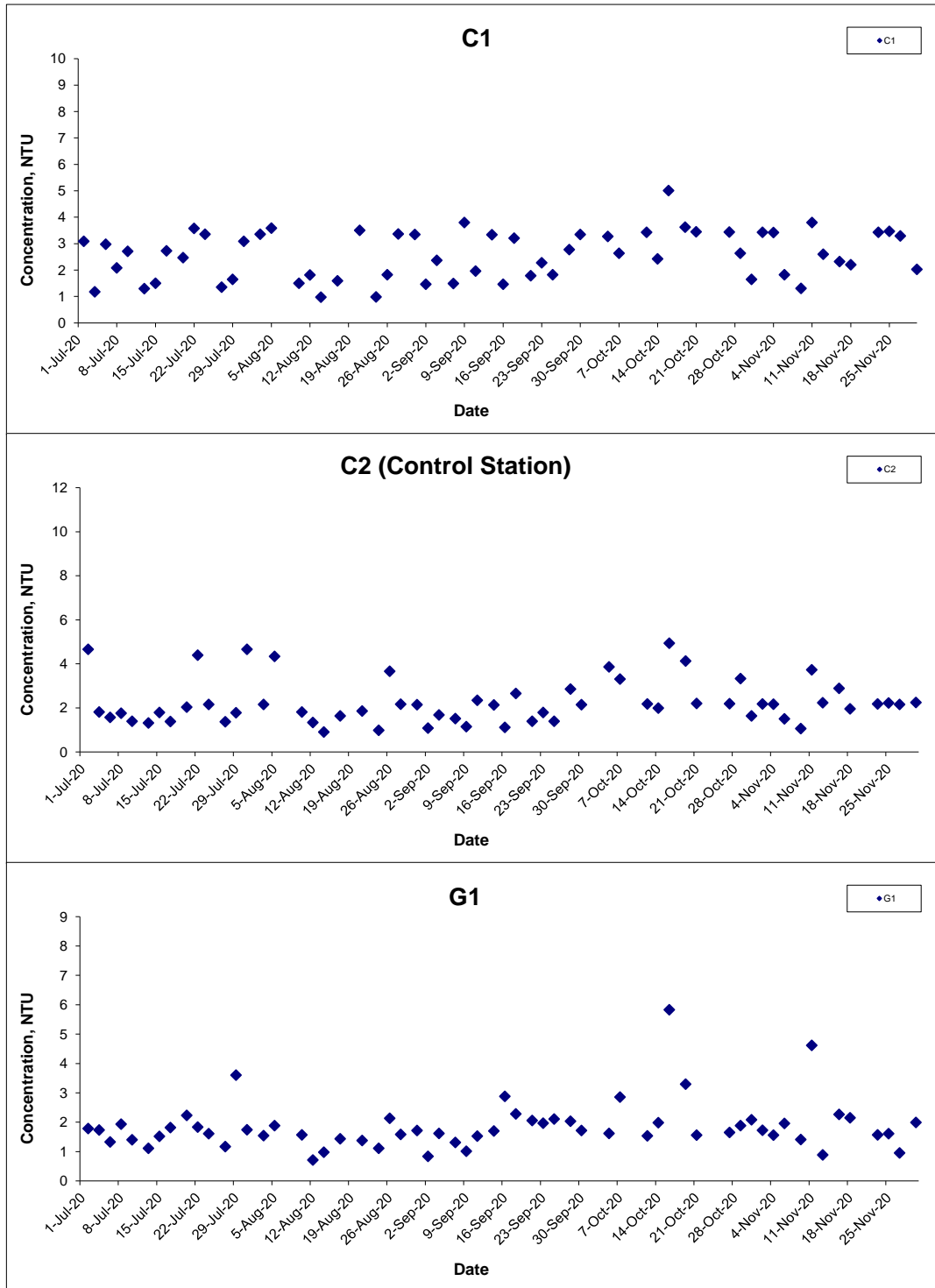


Dissolved Oxygen (Intake Level of WSD Salt Water Intake) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	CINOTECH
	Date Nov20	Appendix I	

Turbidity (Depth-averaged) at Mid-Ebb Tide



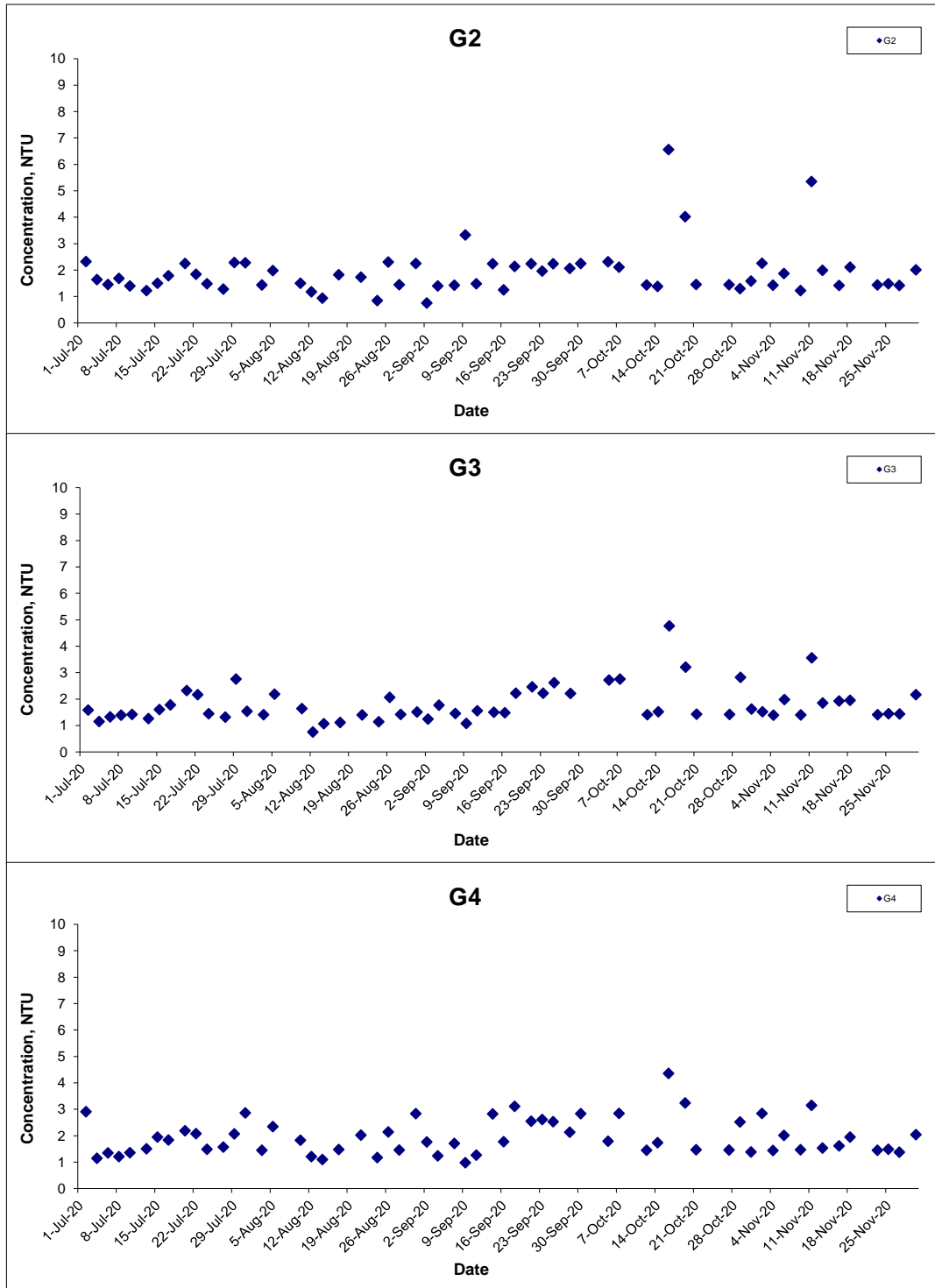
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Turbidity (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

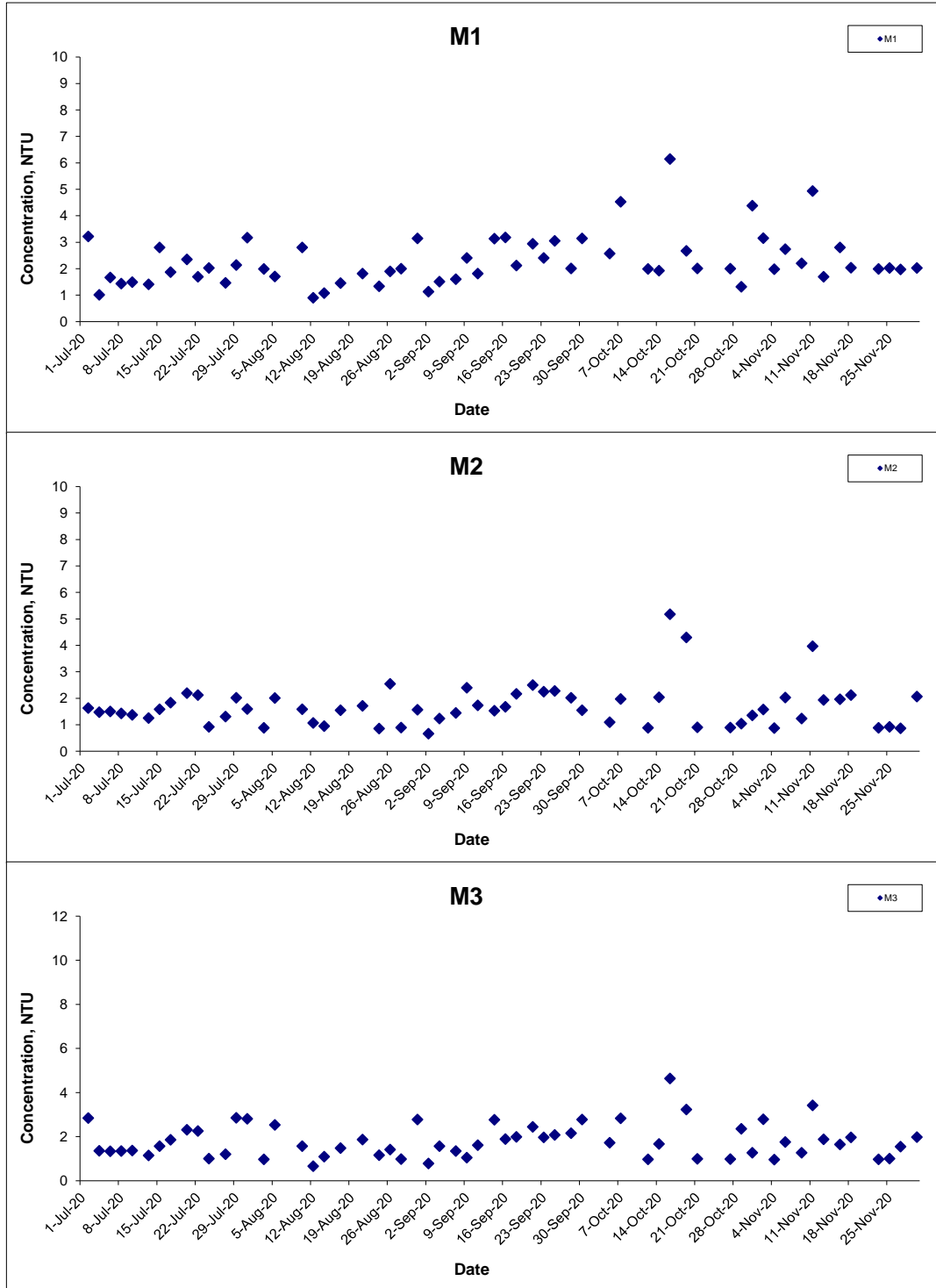
Date Nov 20

Project No. MA16034

Appendix I



Turbidity (Depth-averaged) at Mid-Ebb Tide



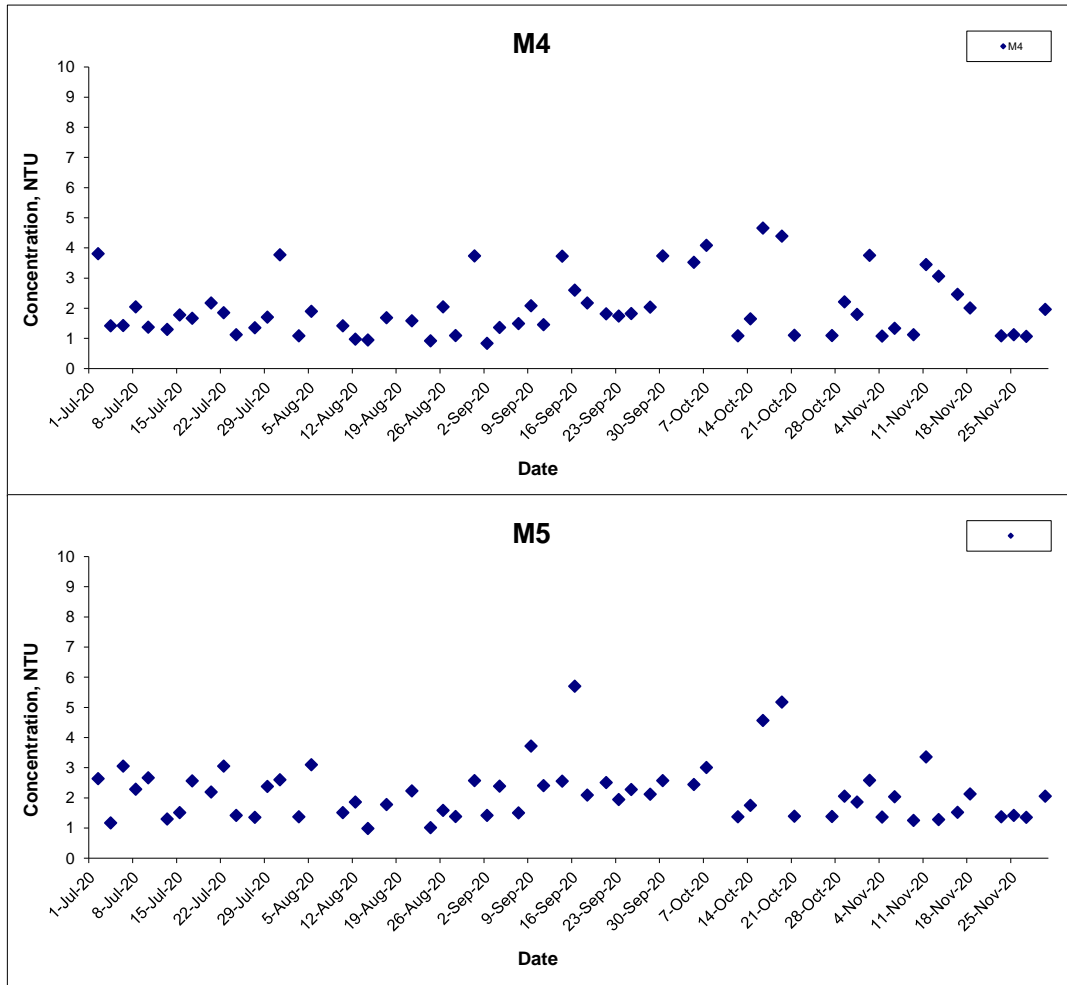
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I

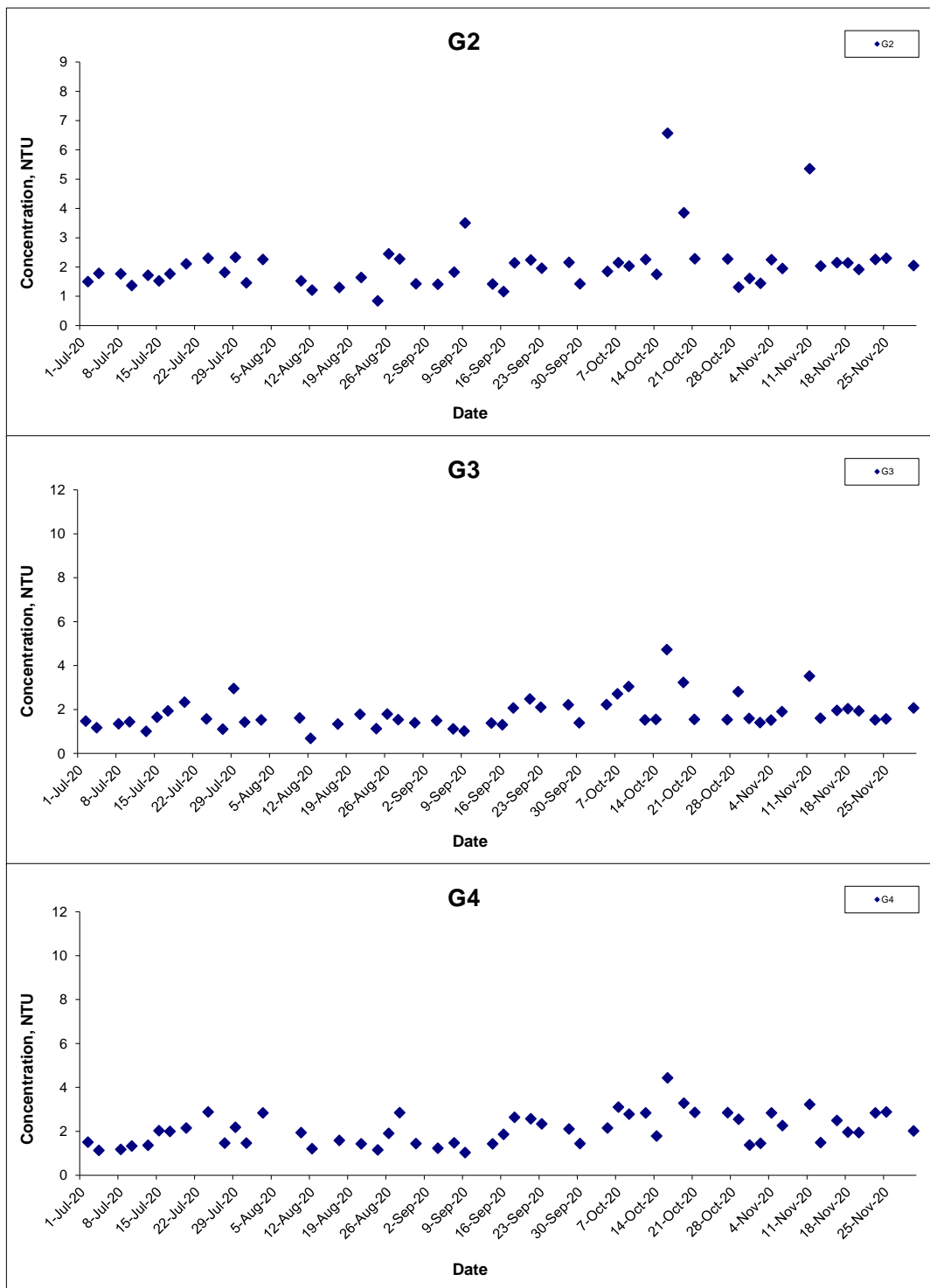


Turbidity (Depth-averaged) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	CINOTECH
	Date Nov 20	Appendix I	

Turbidity (Depth-averaged) at Mid-Flood Tide



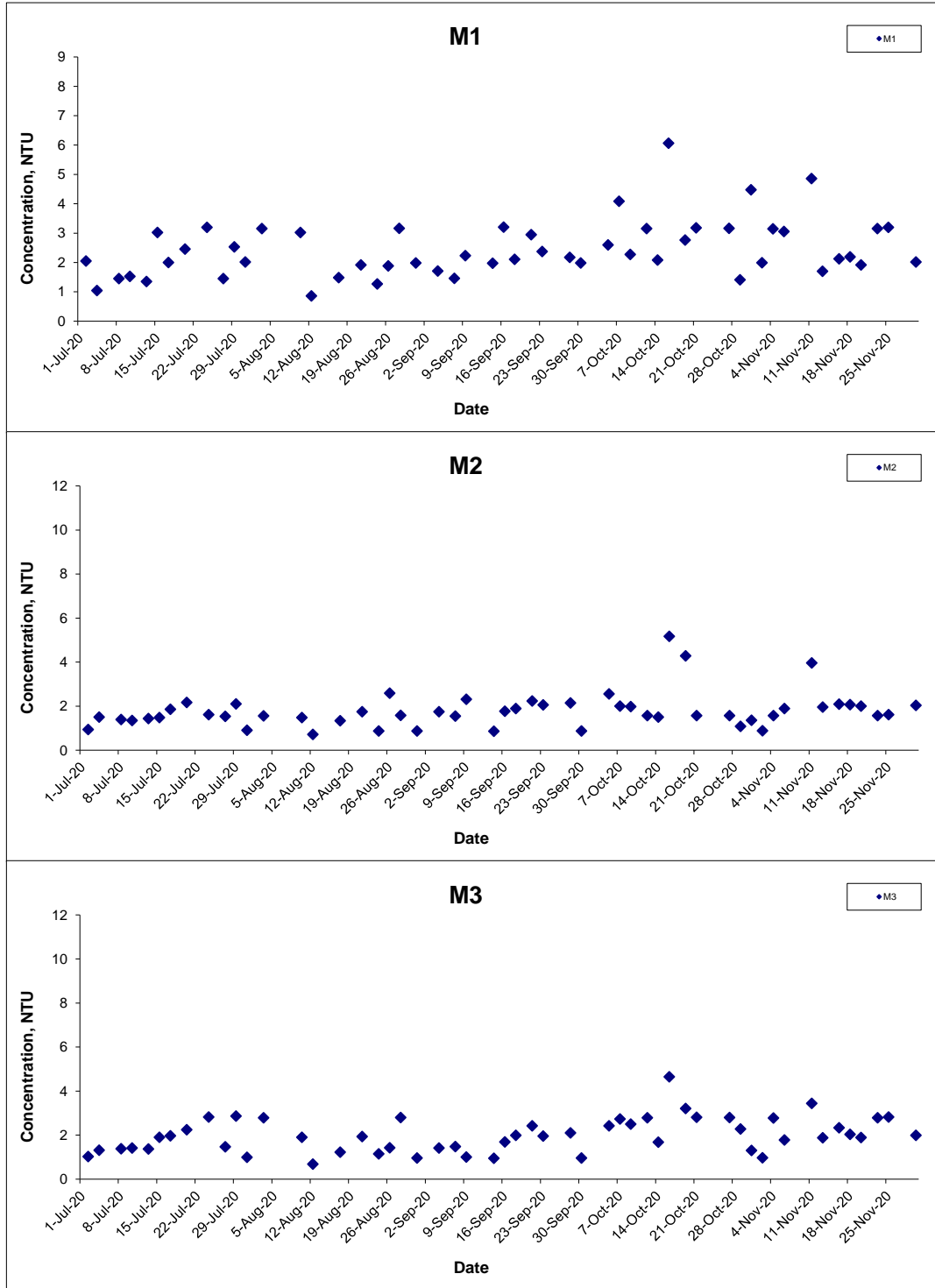
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Turbidity (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

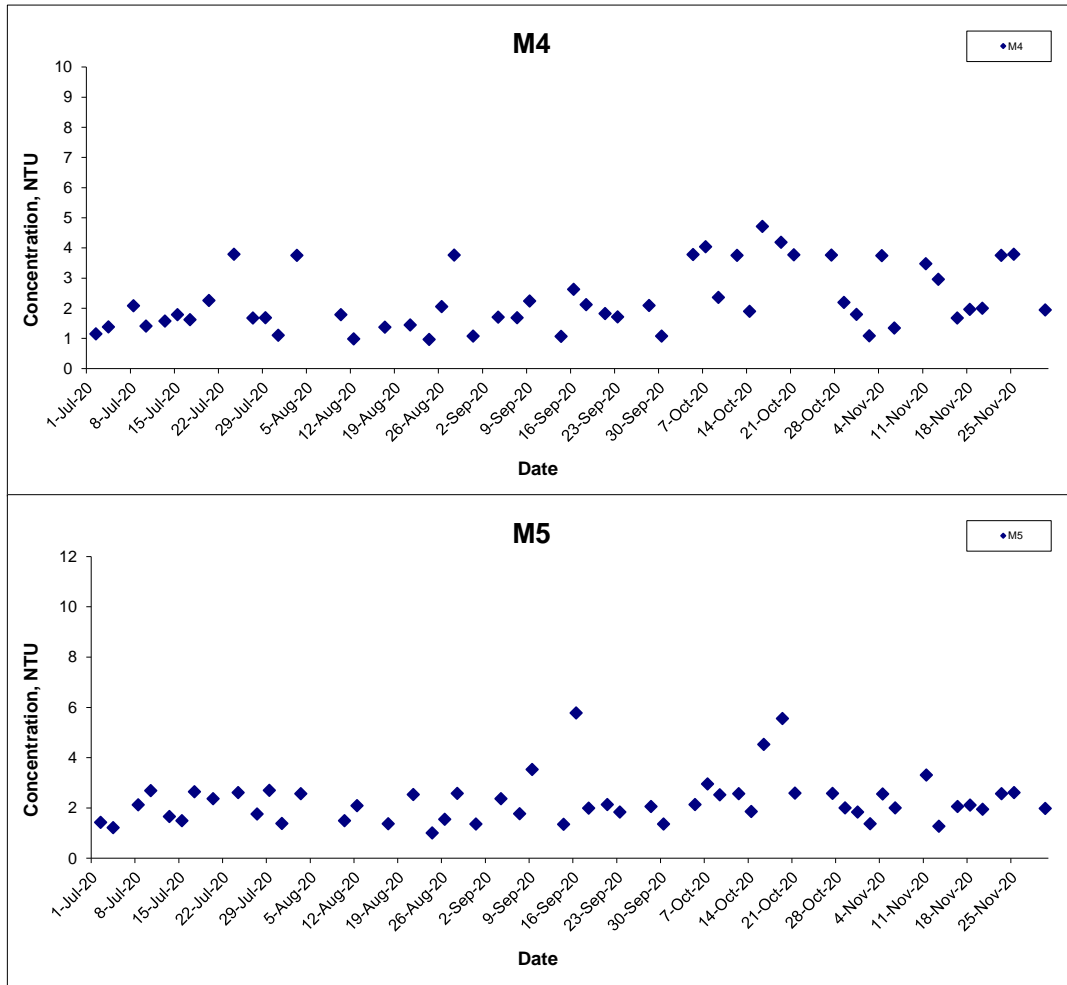
Project No. MA16034

Date Nov 20

Appendix I



Turbidity (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

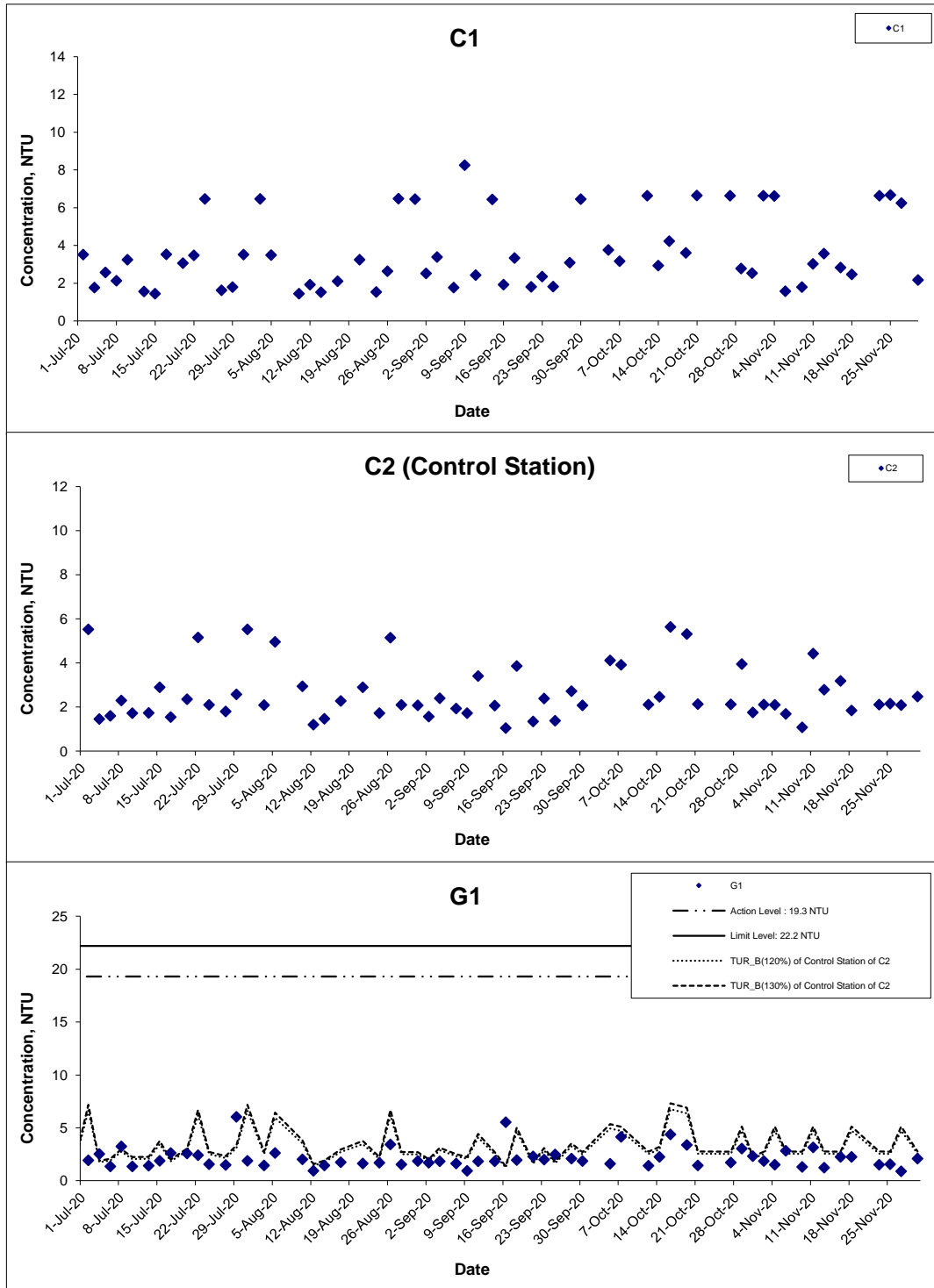
Date Nov 20

Project No. MA16034

Appendix I



Turbidity (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

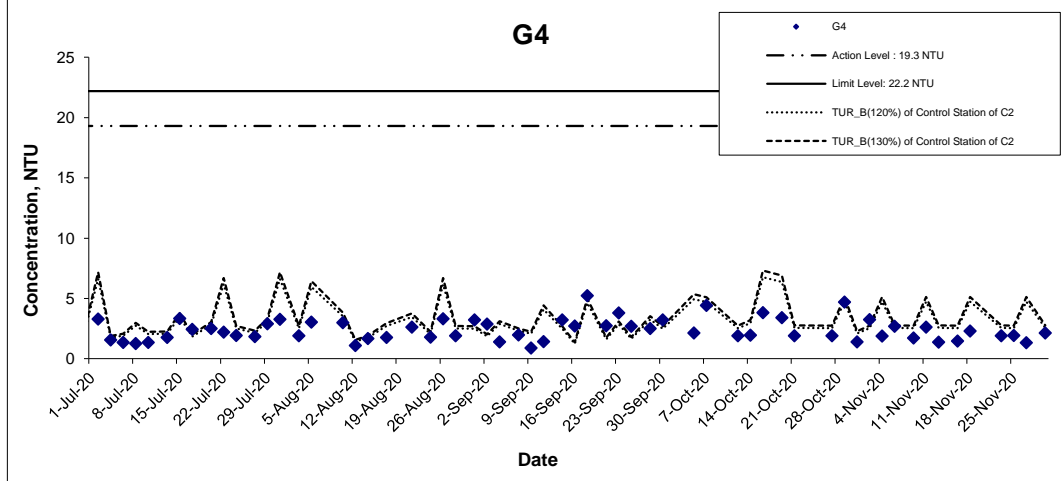
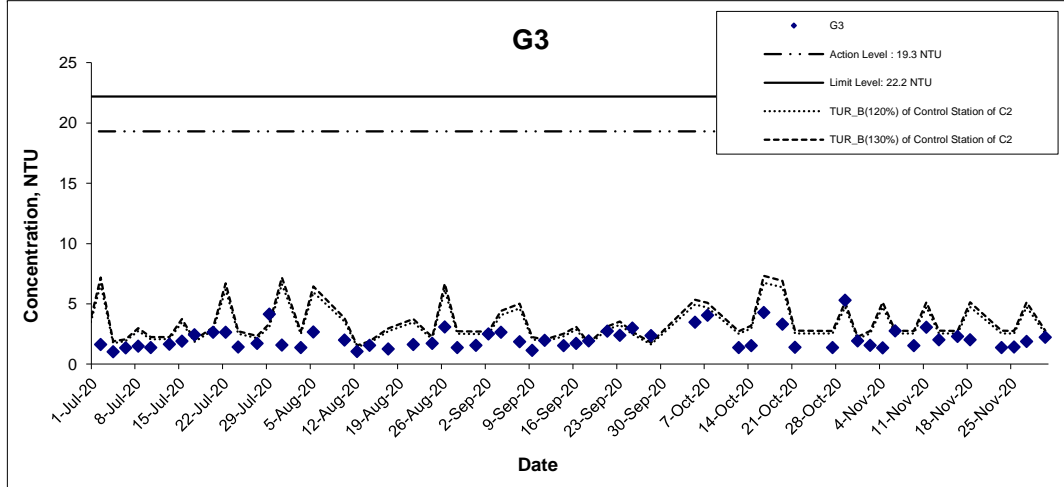
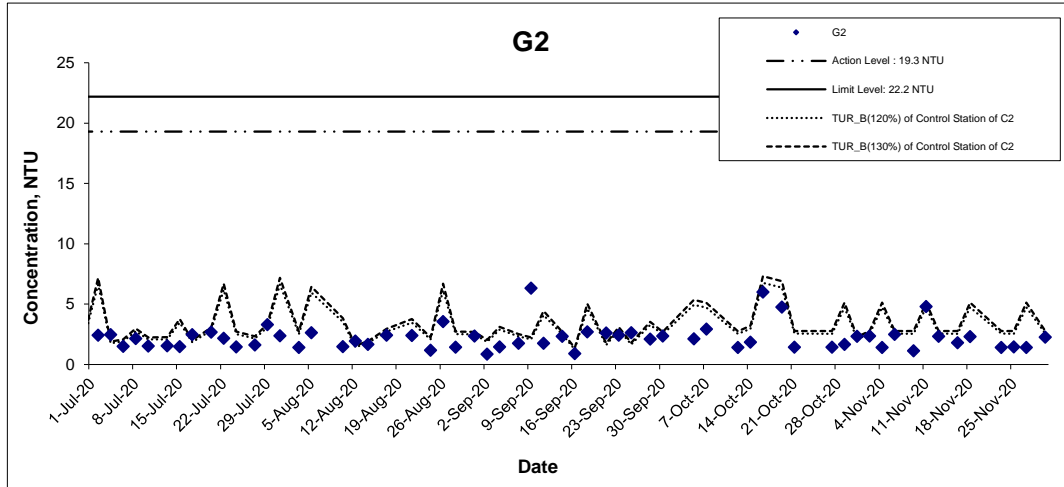
Date Nov 20

Project No. MA16034

Appendix I



Turbidity (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

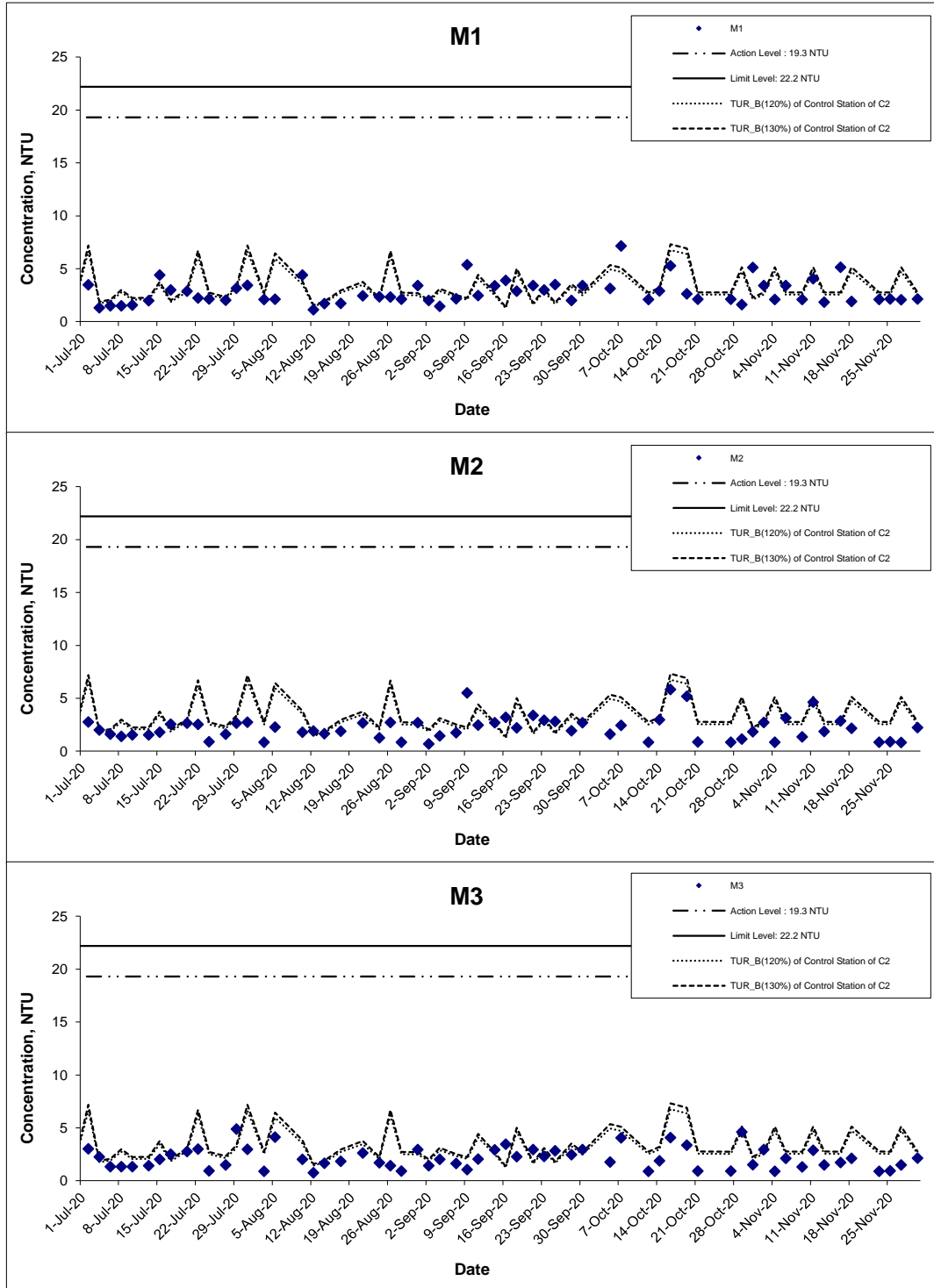
Project No. MA16034

Date Nov 20

Appendix I

CINOTECH

Turbidity (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

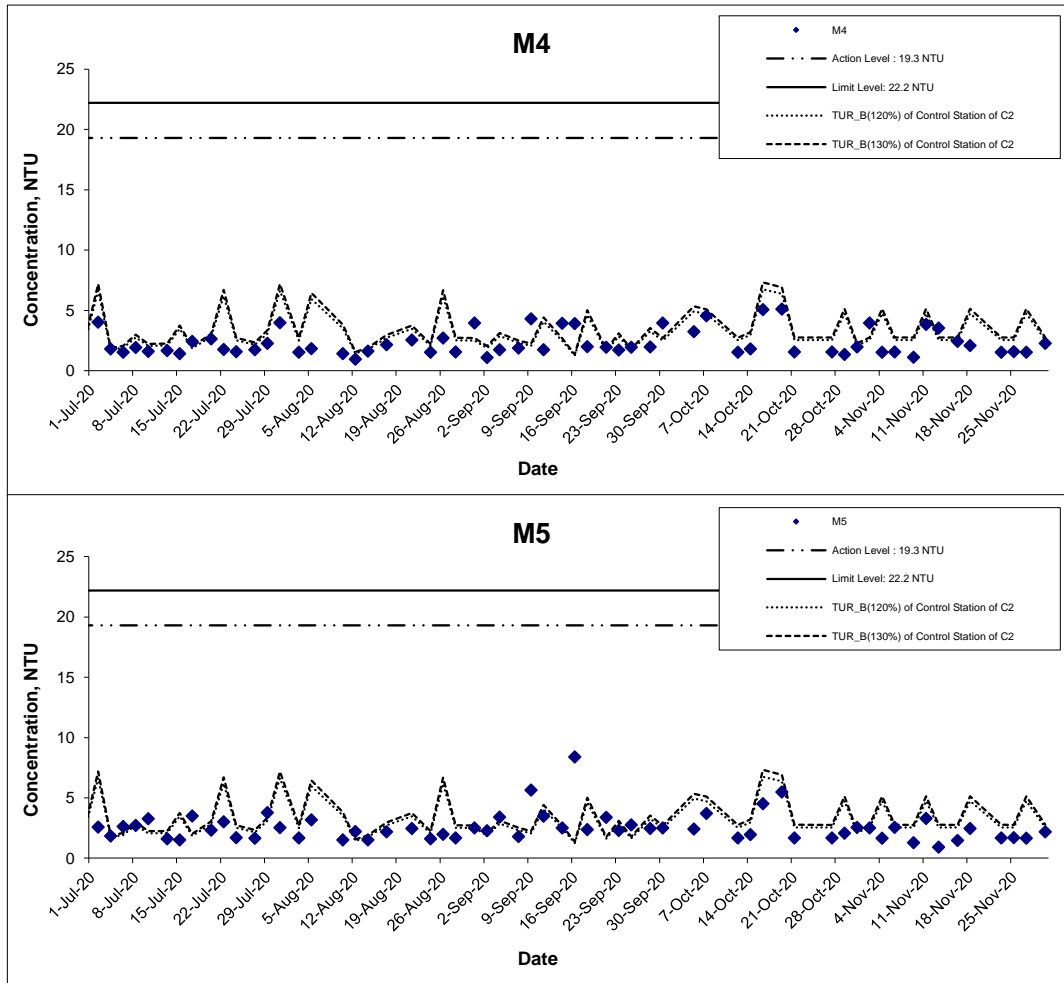
Date Nov 20

Project No. MA16034

Appendix I



Turbidity (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

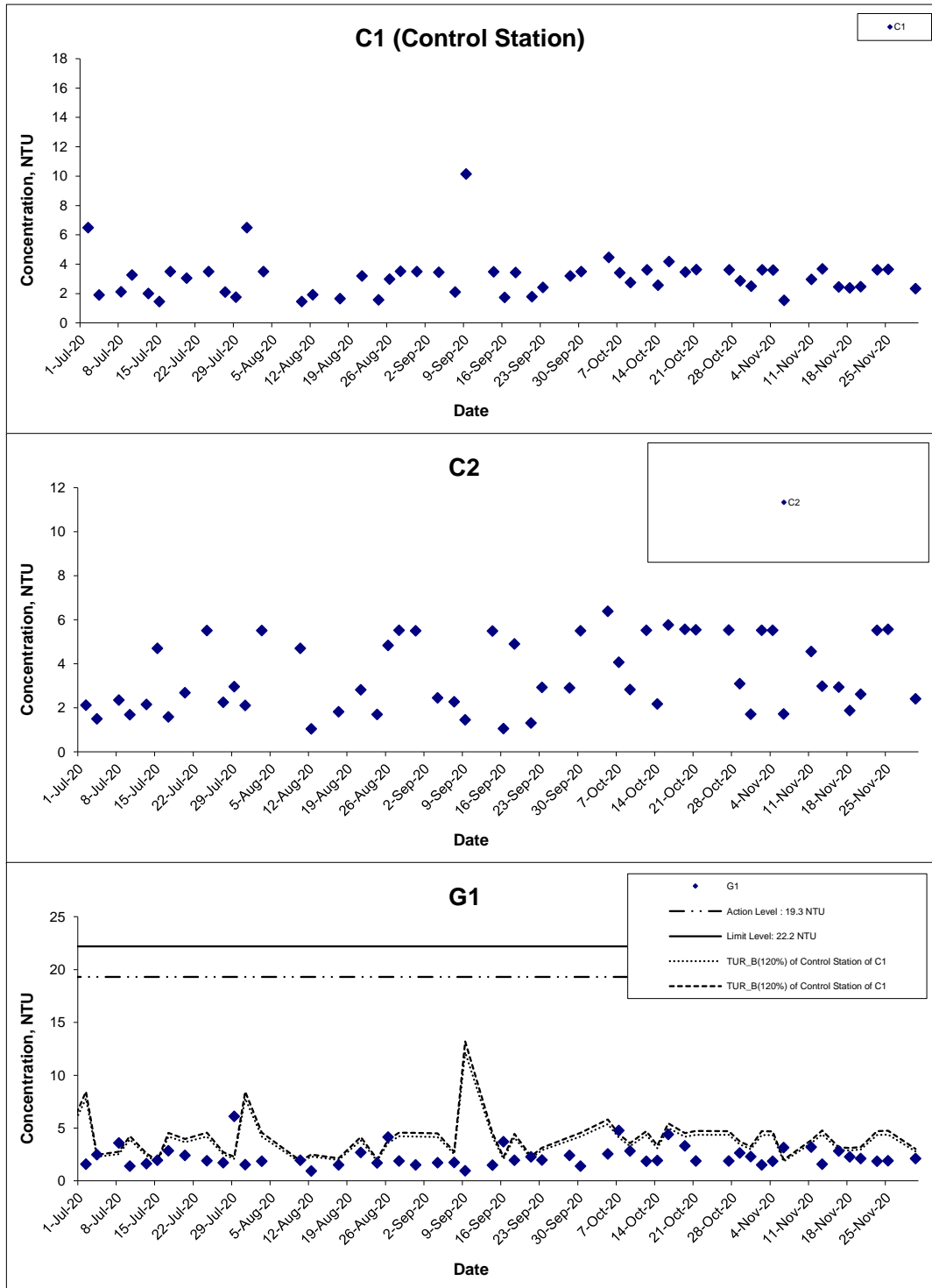
Date Nov 20

Project No. MA16034

Appendix I



Turbidity (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

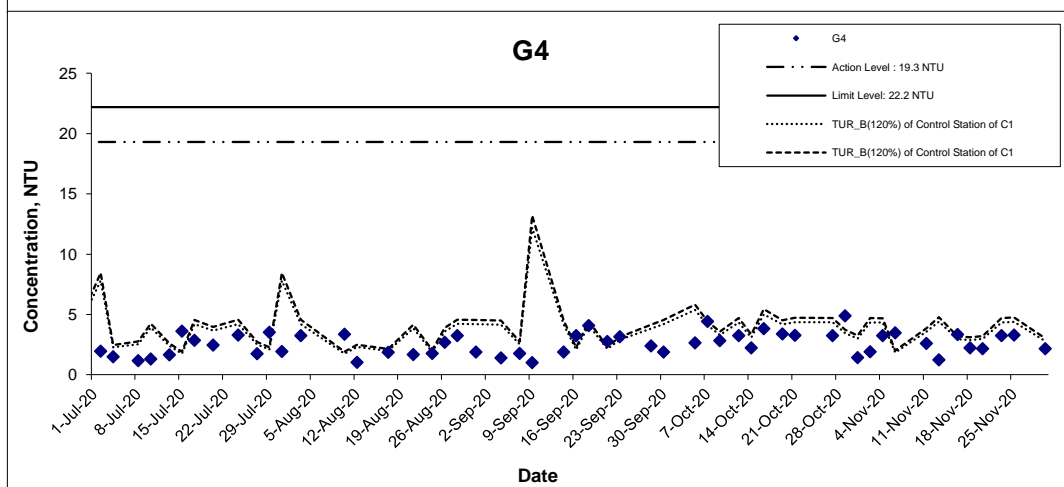
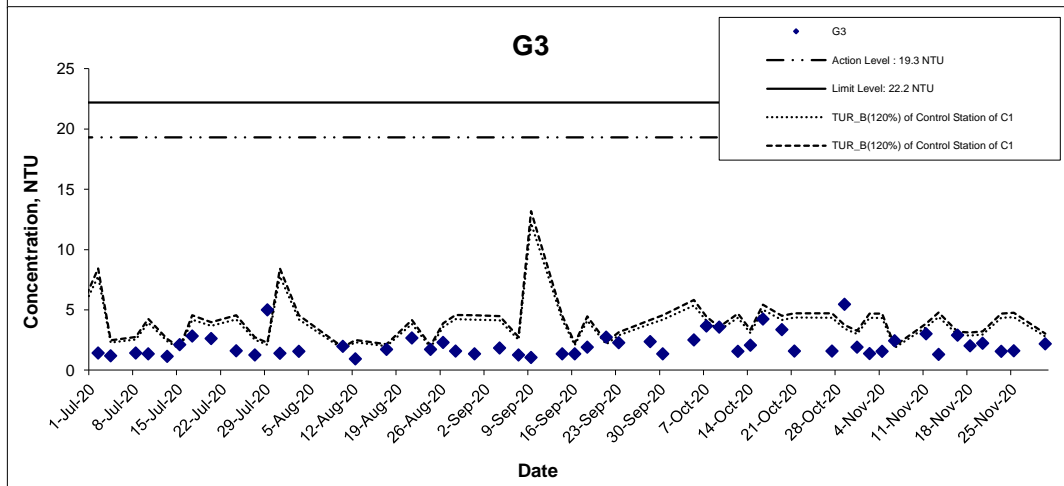
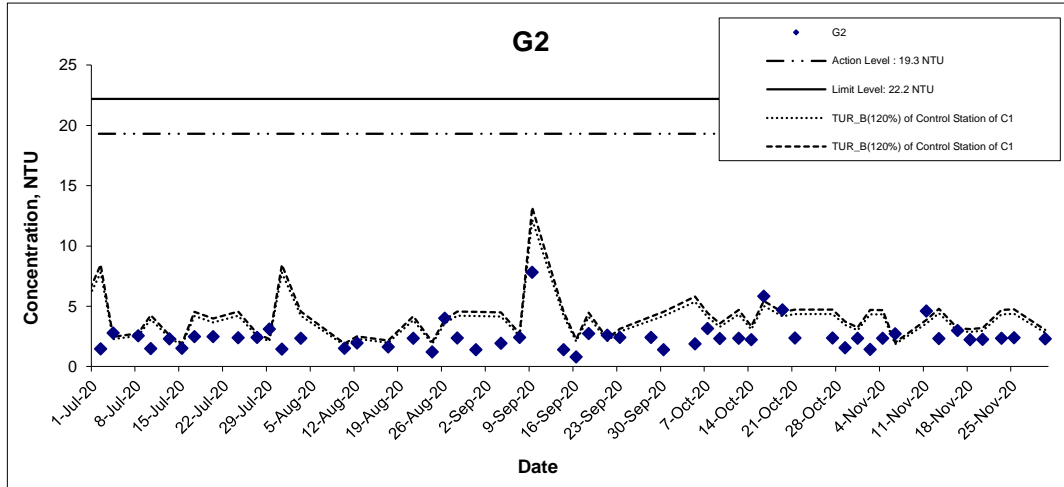
Date Nov 20

Project No. MA16034

Appendix I



Turbidity (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

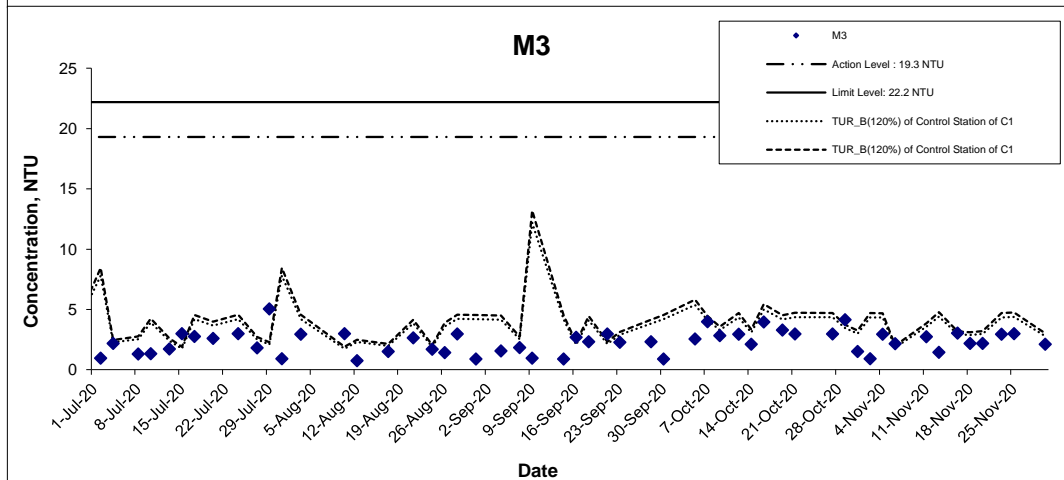
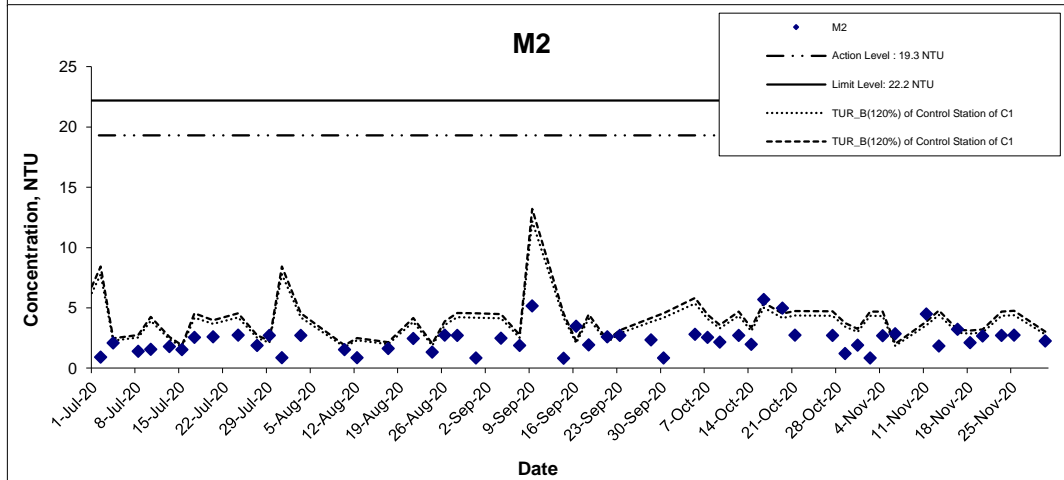
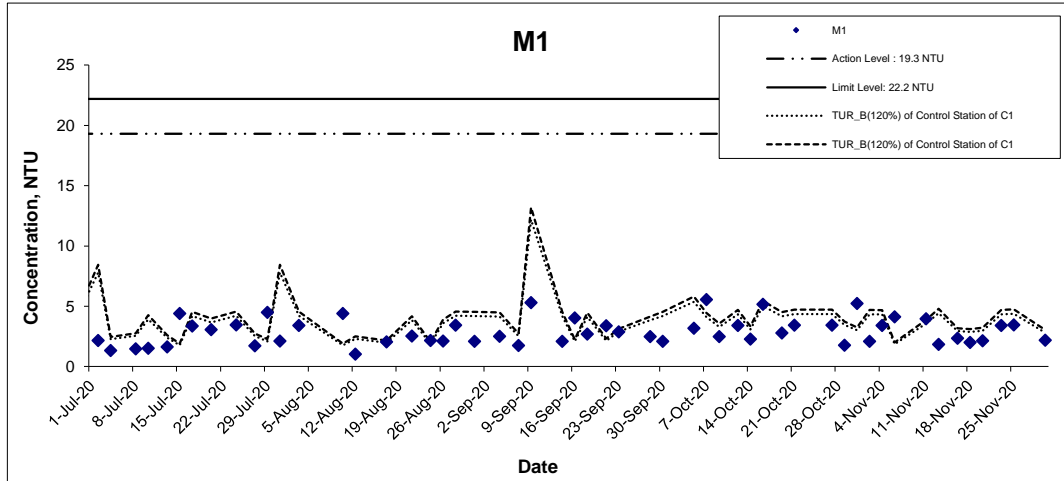
Date Nov 20

Project No. MA16034

Appendix I



Turbidity (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

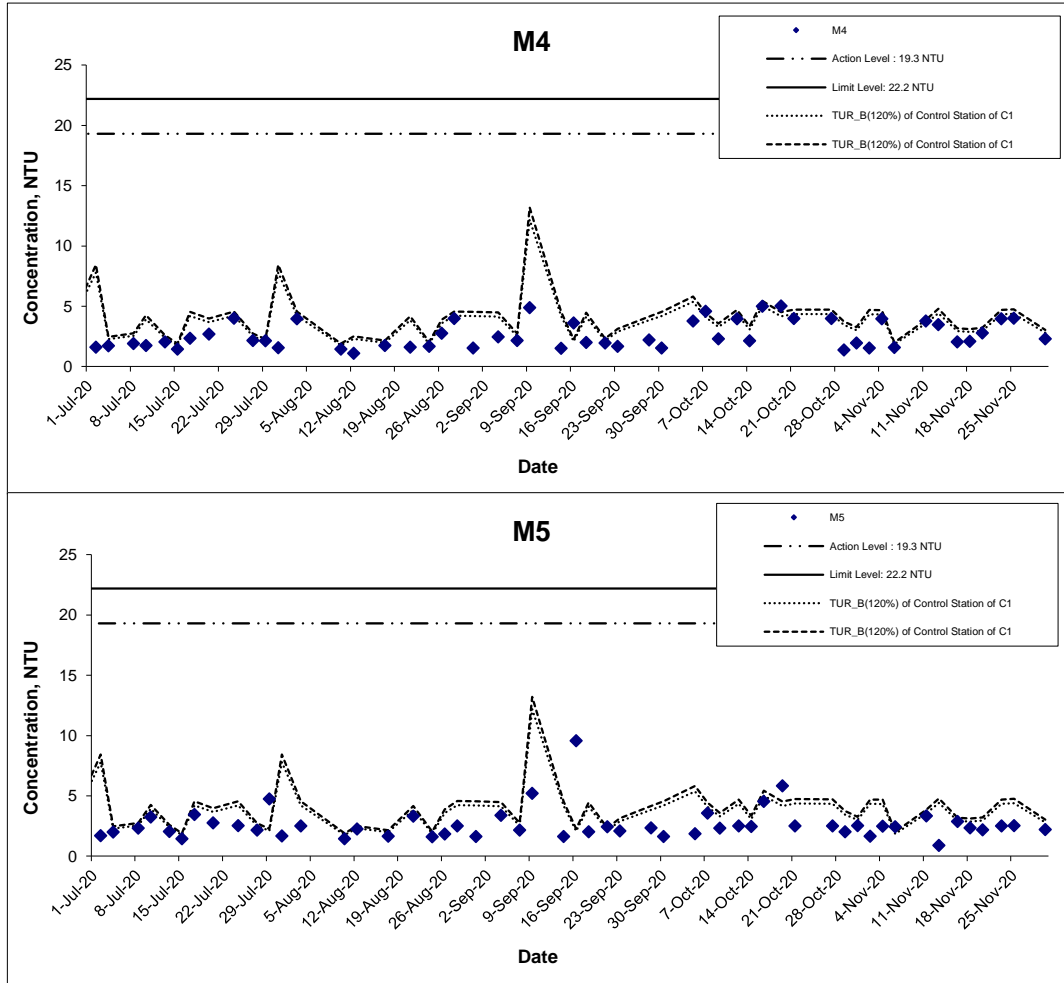
Date Nov 20

Project No. MA16034

Appendix I



Turbidity (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

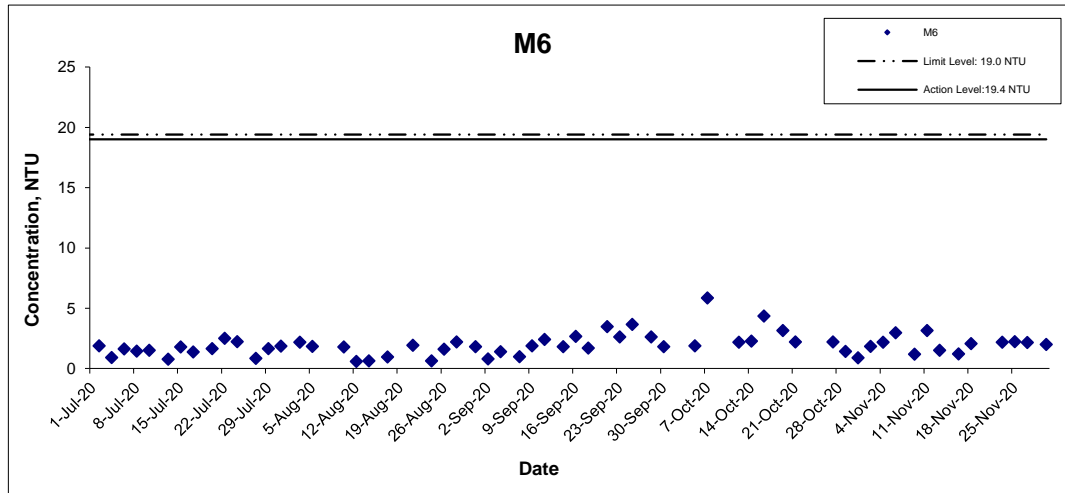
Date Nov 20

Project No. MA16034

Appendix I

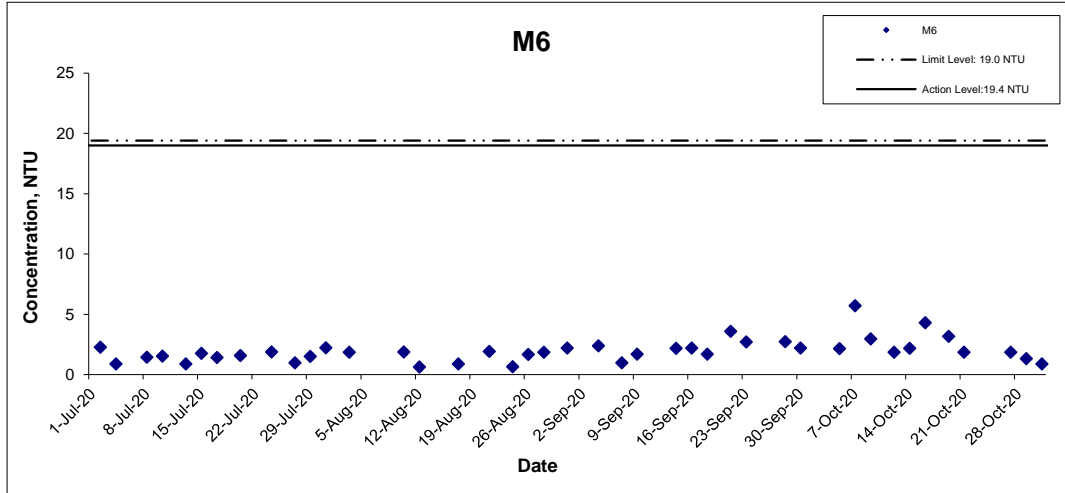


Turbidity (Intake Level of WSD Salt Water Intake) at Mid-Ebb Tide



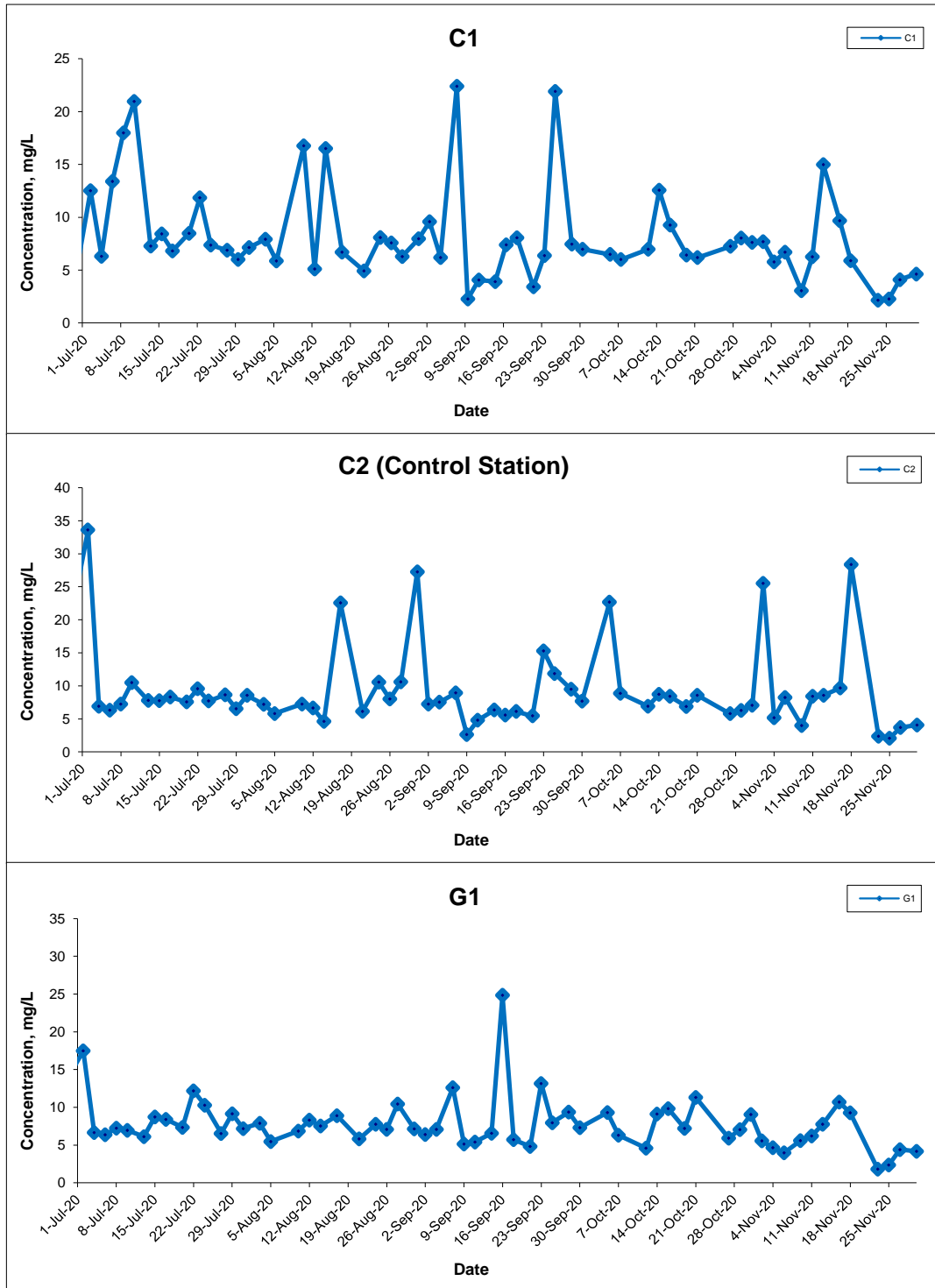
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction Graphical Presentation of Water Quality Monitoring Results	Scale	N.T.S	Project No.	MA16034	CINOTECH
	Date	Nov 20	Appendix	I	

Turbidity (Intake Level of WSD Salt Water Intake) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	CINOTECH
	Date Nov 20	Appendix I	

Suspended Solids (Depth-averaged) at Mid-Ebb Tide



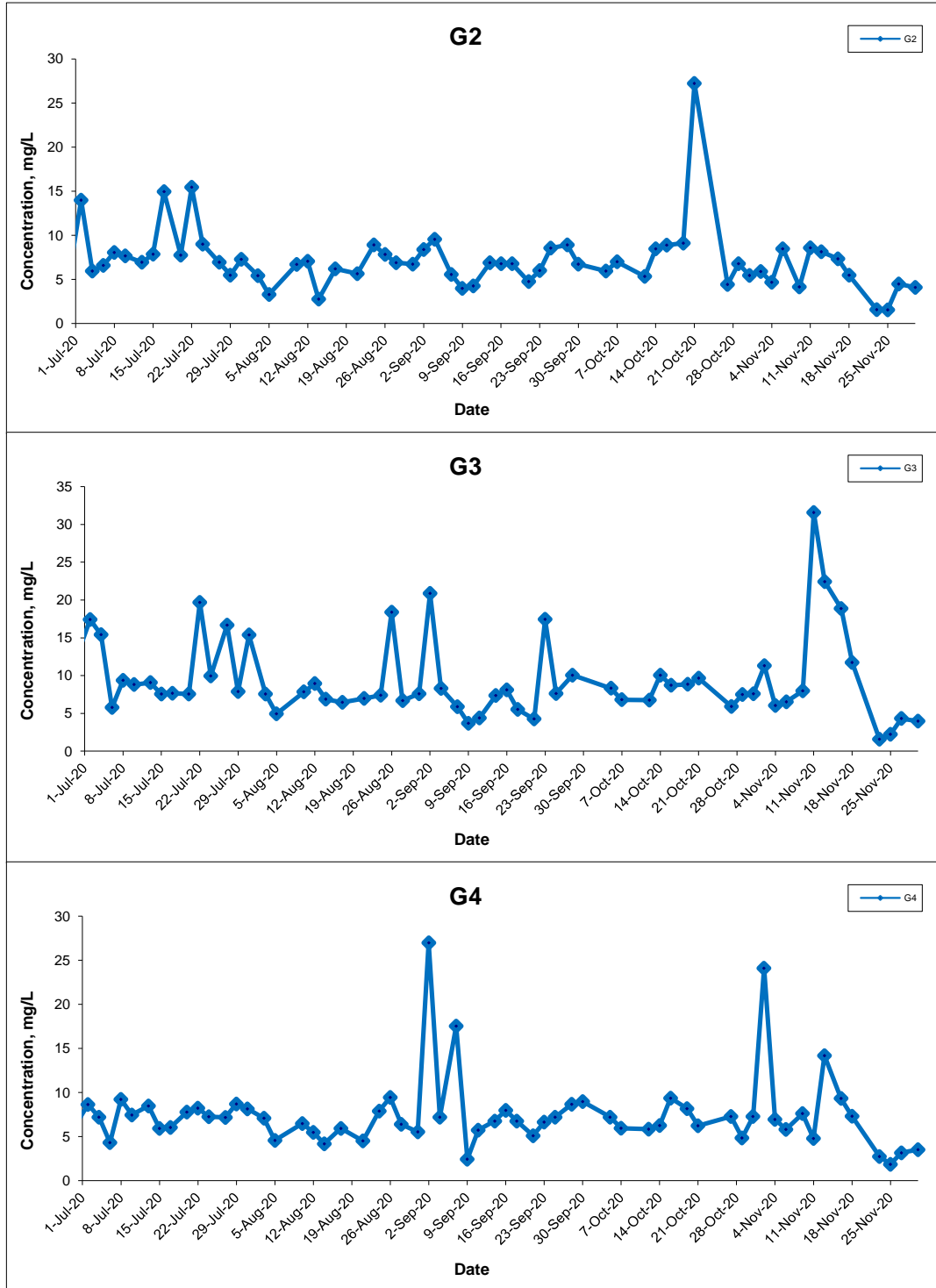
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 Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
 Date Nov 20

Project No. MA16034
 Appendix I



Suspended Solids (Depth-averaged) at Mid-Ebb Tide



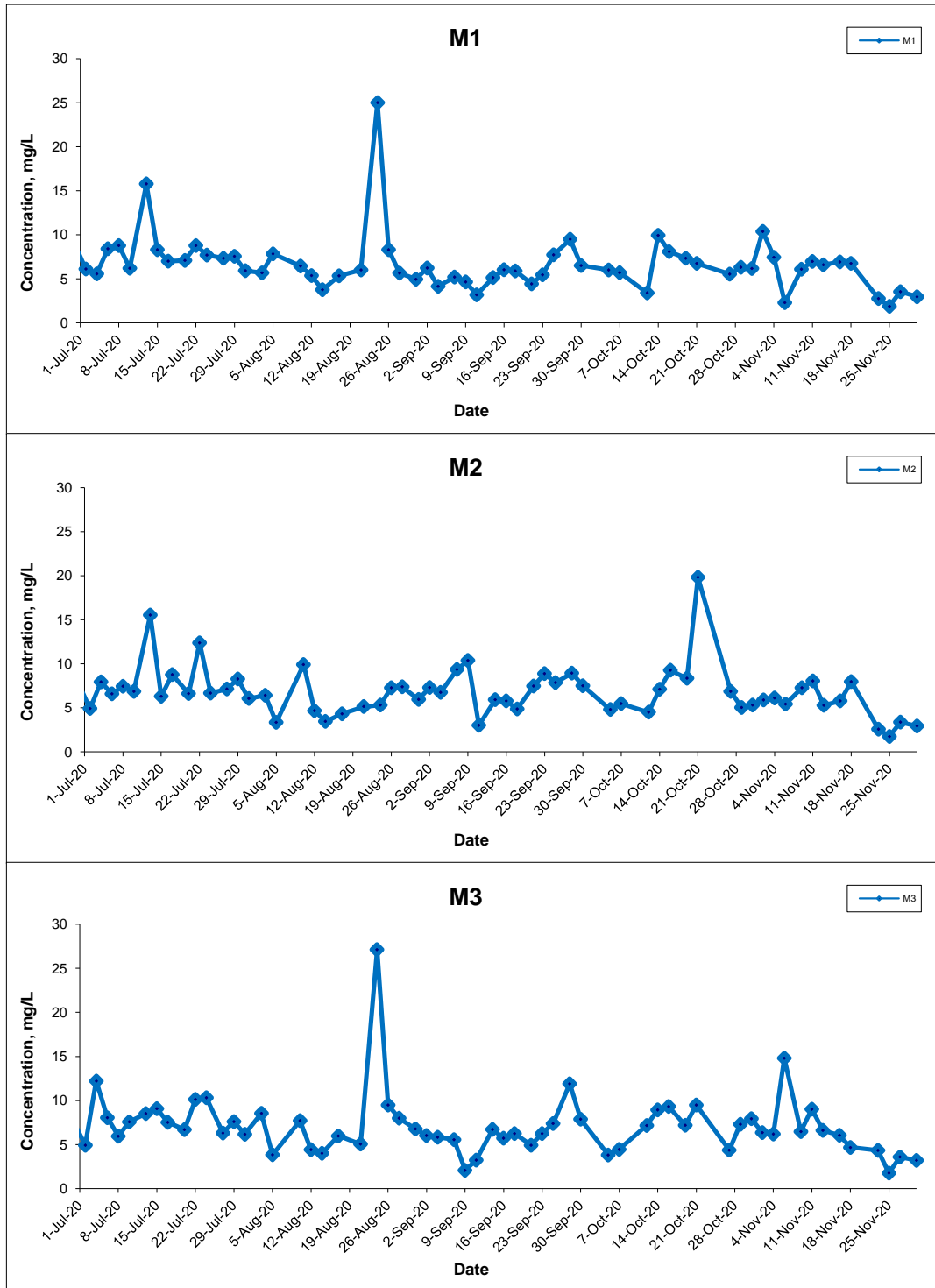
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 Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
 Date Nov 20

Project No. MA16034
 Appendix I



Suspended Solids (Depth-averaged) at Mid-Ebb Tide



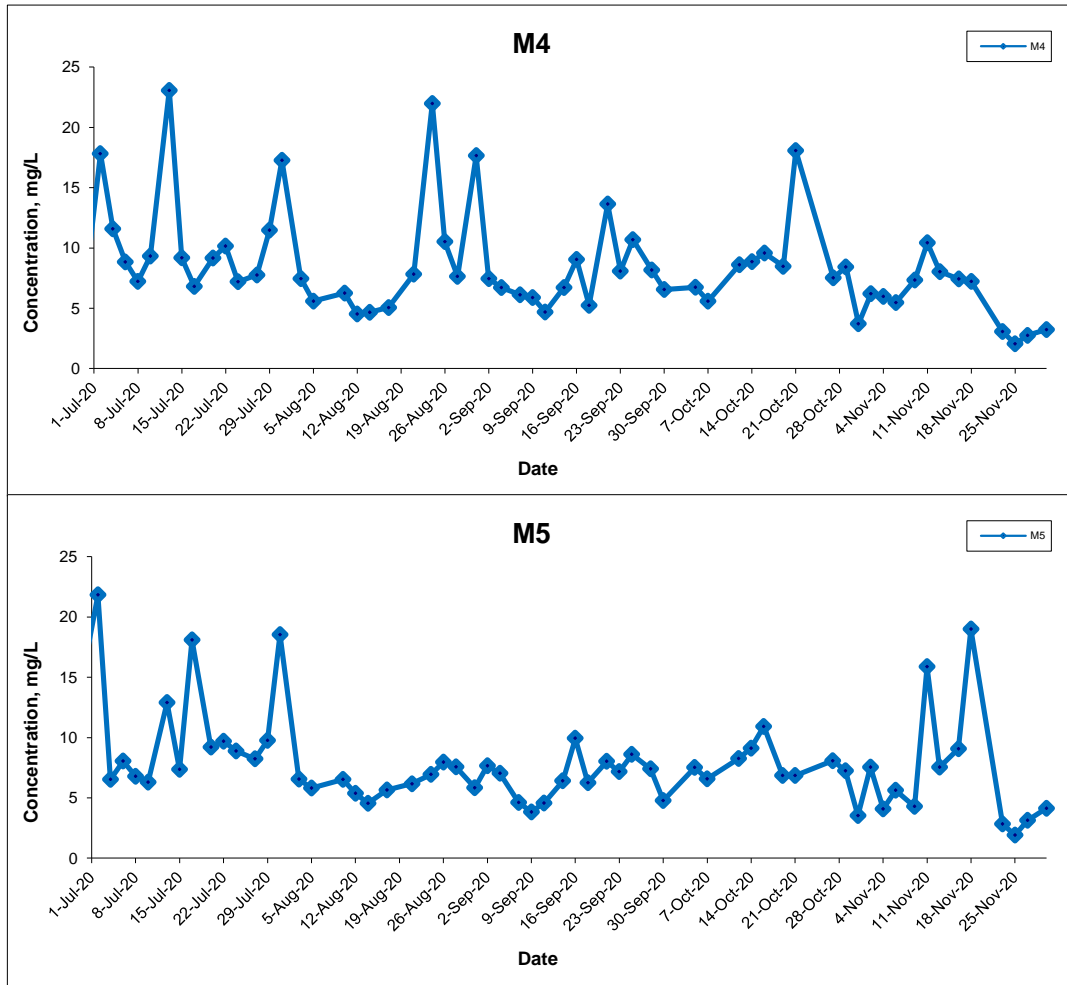
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Suspended Solids (Depth-averaged) at Mid-Ebb Tide



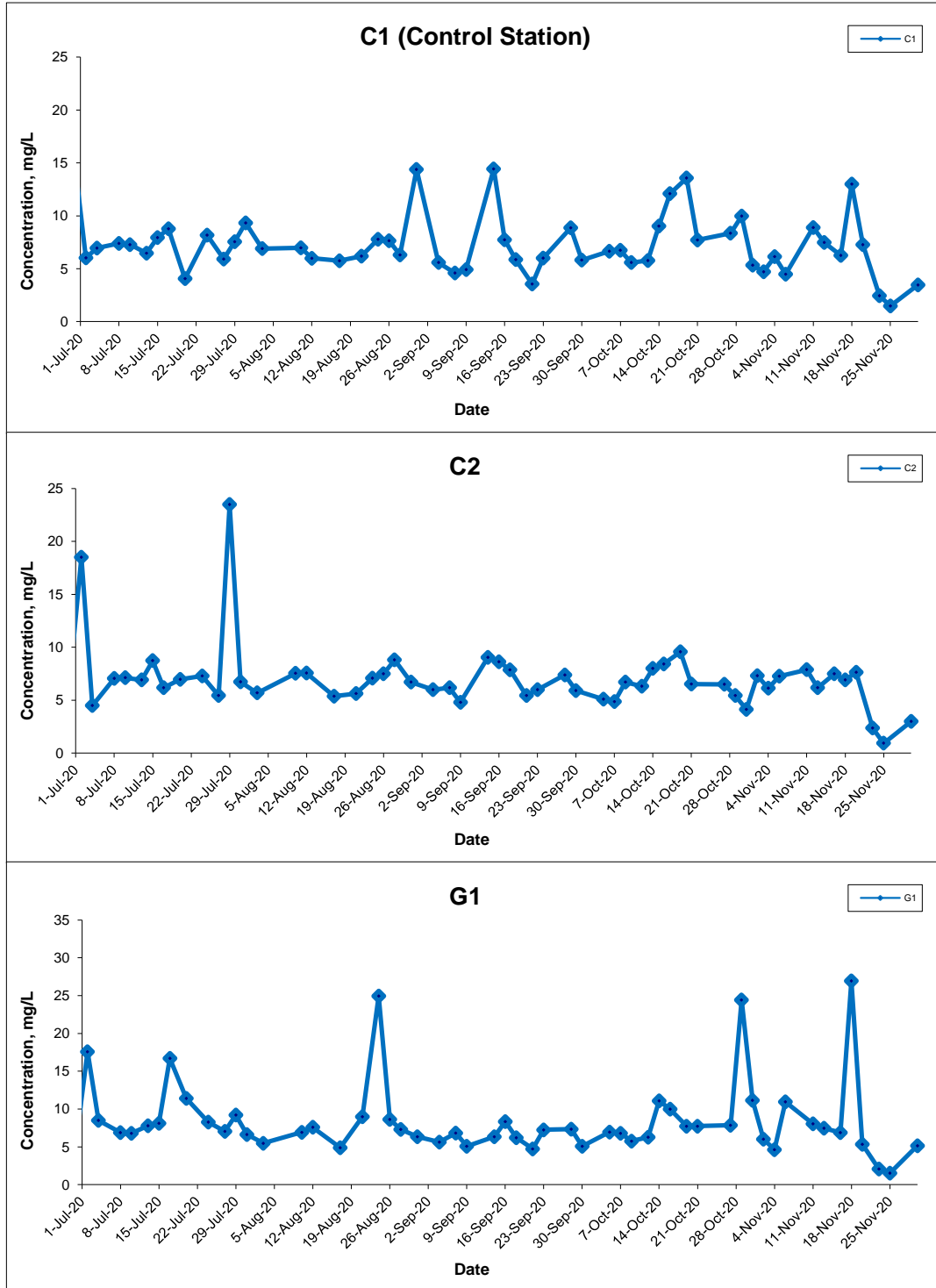
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Suspended Solids (Depth-averaged) at Mid-Flood Tide



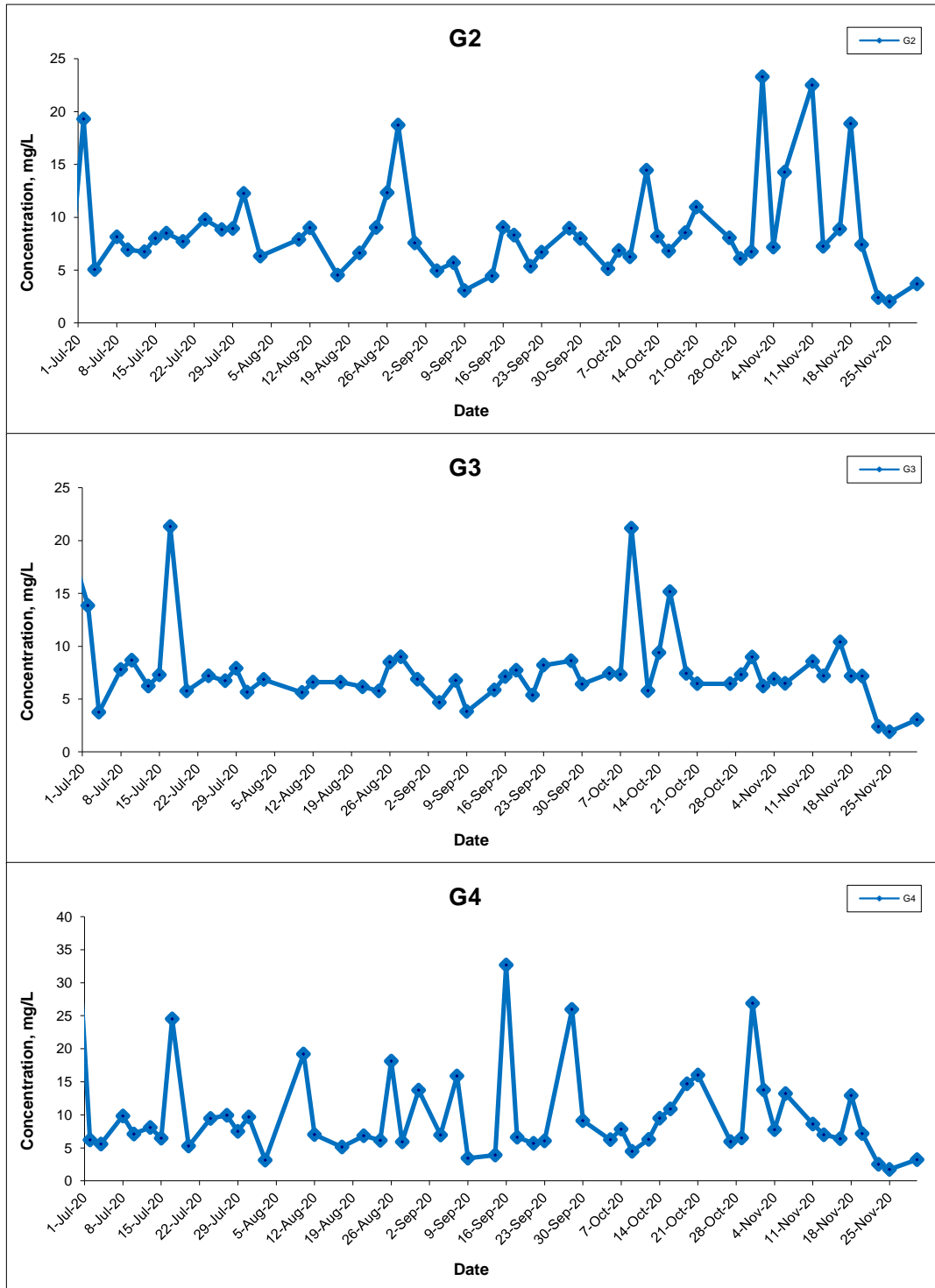
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Suspended Solids (Depth-averaged) at Mid-Flood Tide



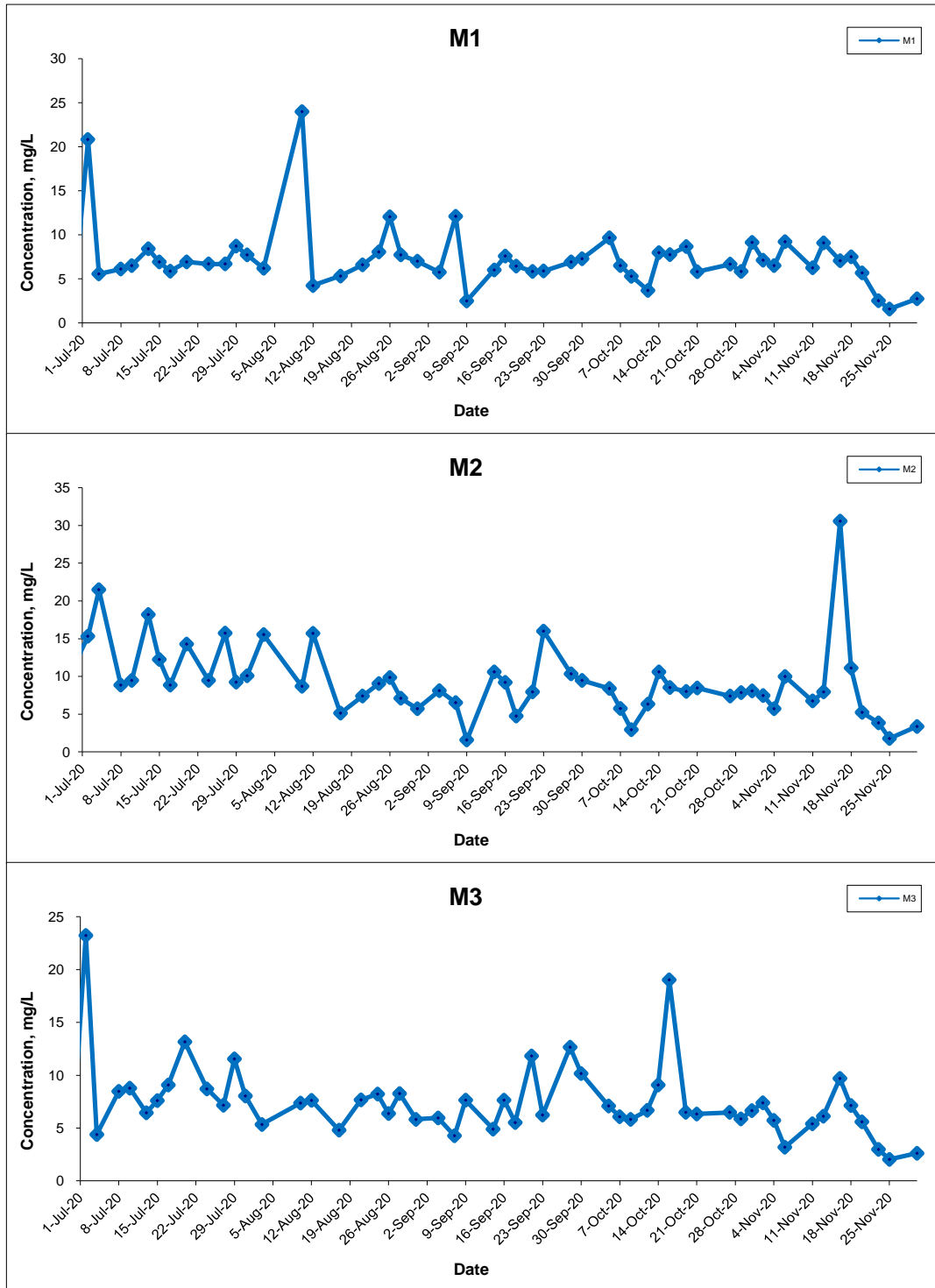
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Suspended Solids (Depth-averaged) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

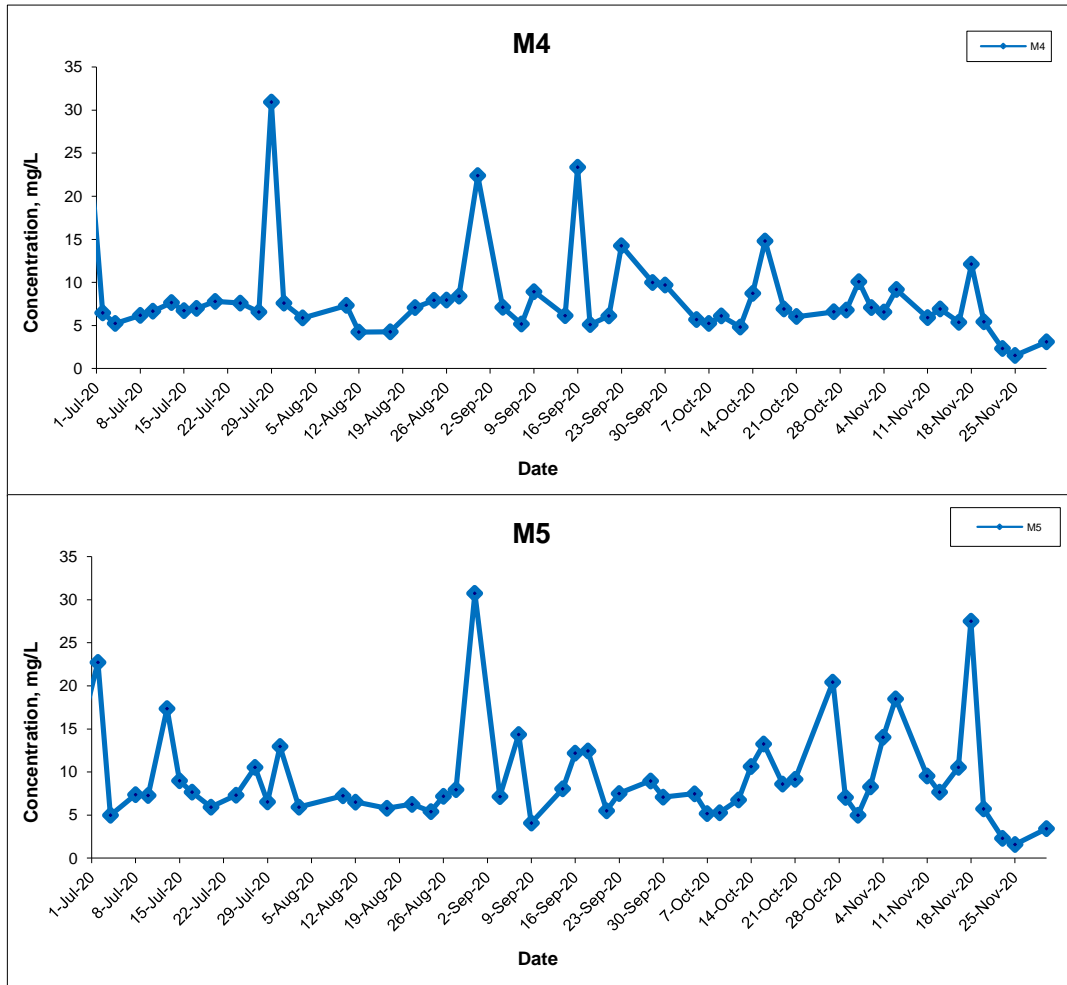
Date Nov 20

Project No. MA16034

Appendix I



Suspended Solids (Depth-averaged) at Mid-Flood Tide



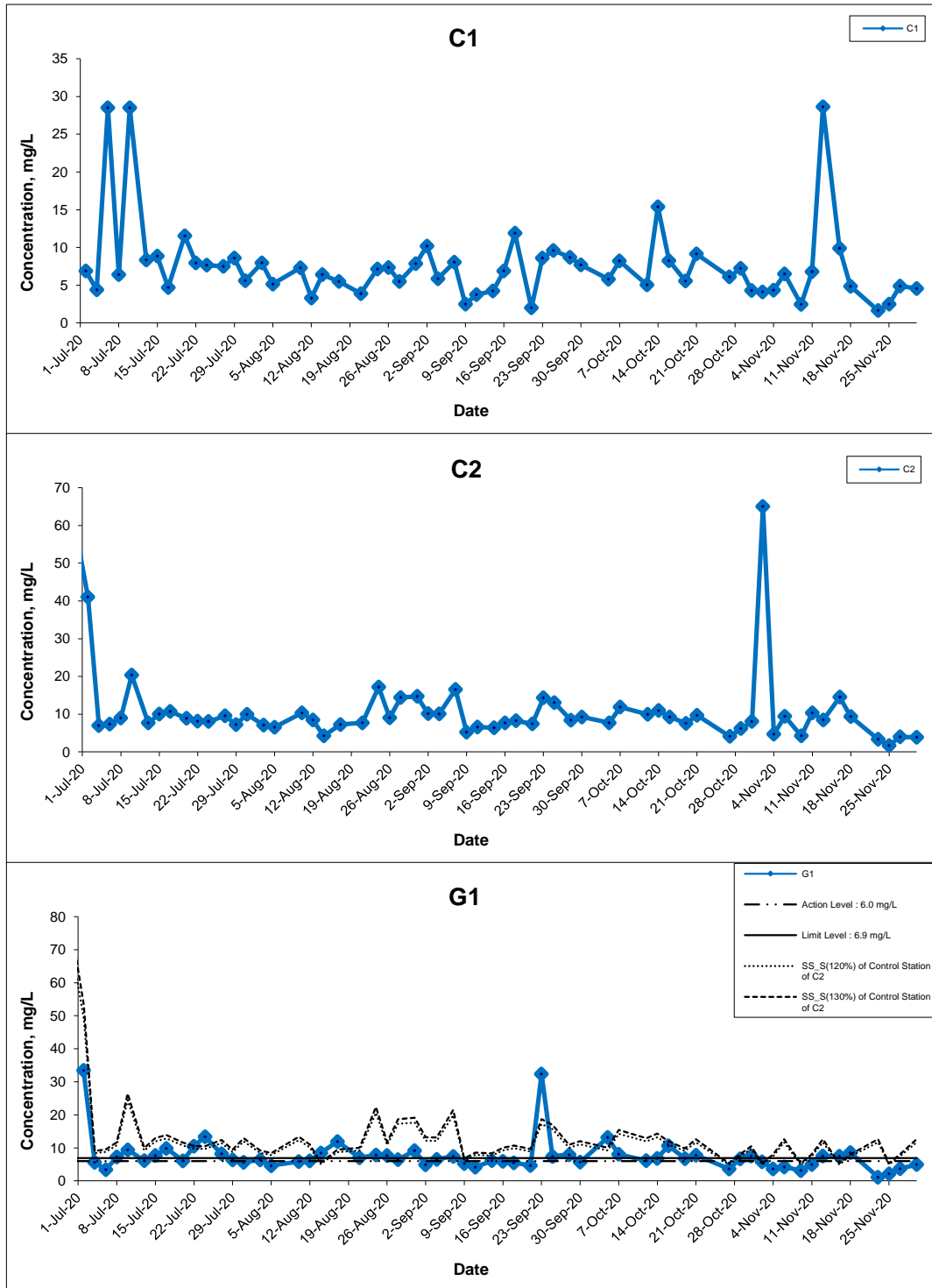
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Suspended Solids (Surface) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

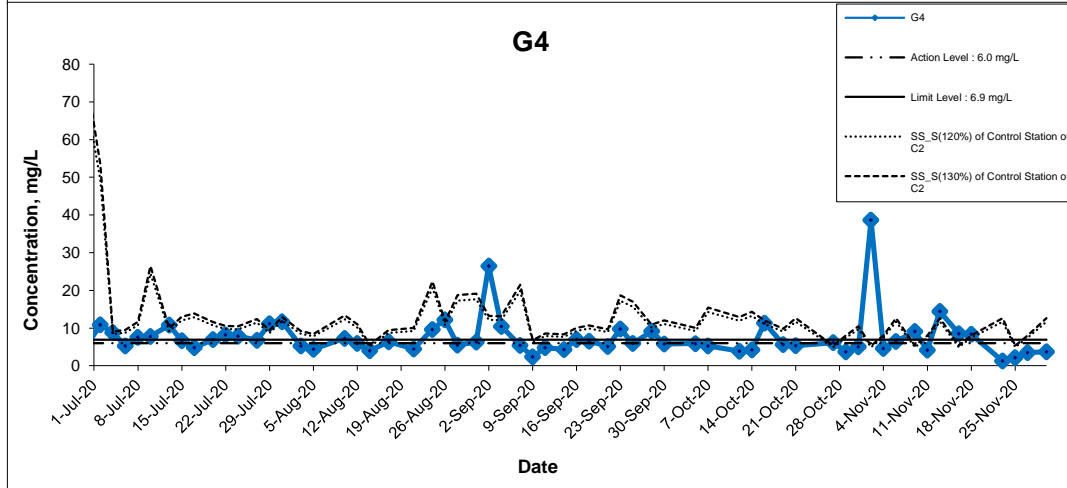
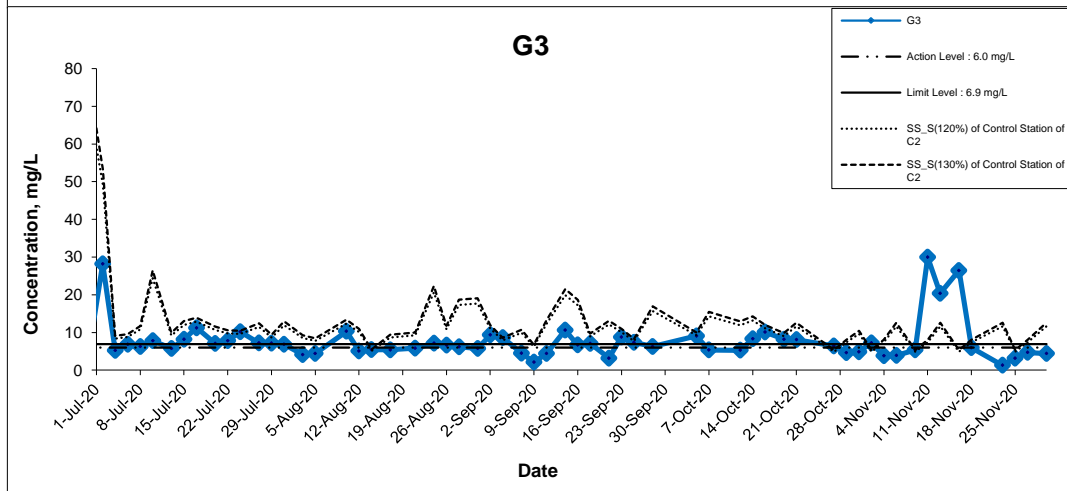
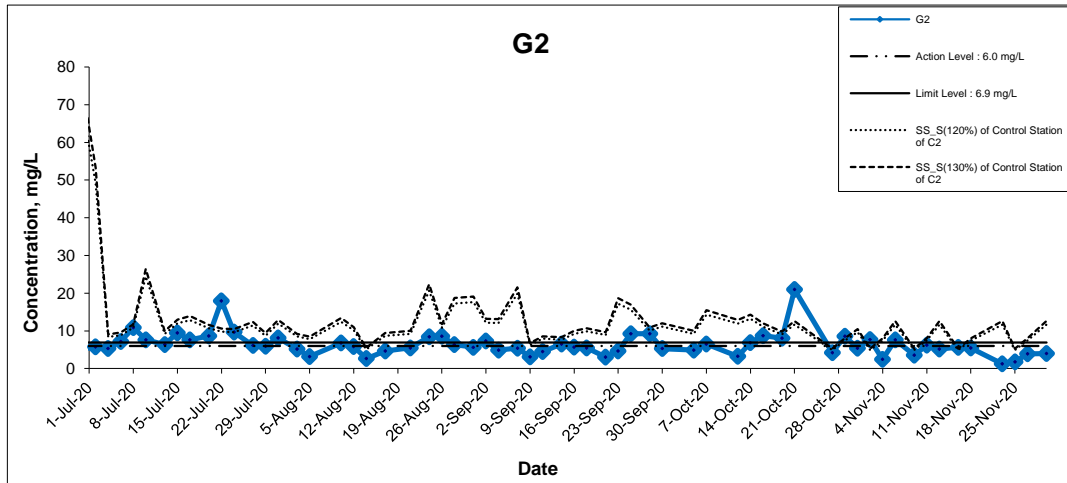
Date Nov 20

Project No. MA16034

Appendix I



Suspended Solids (Surface) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

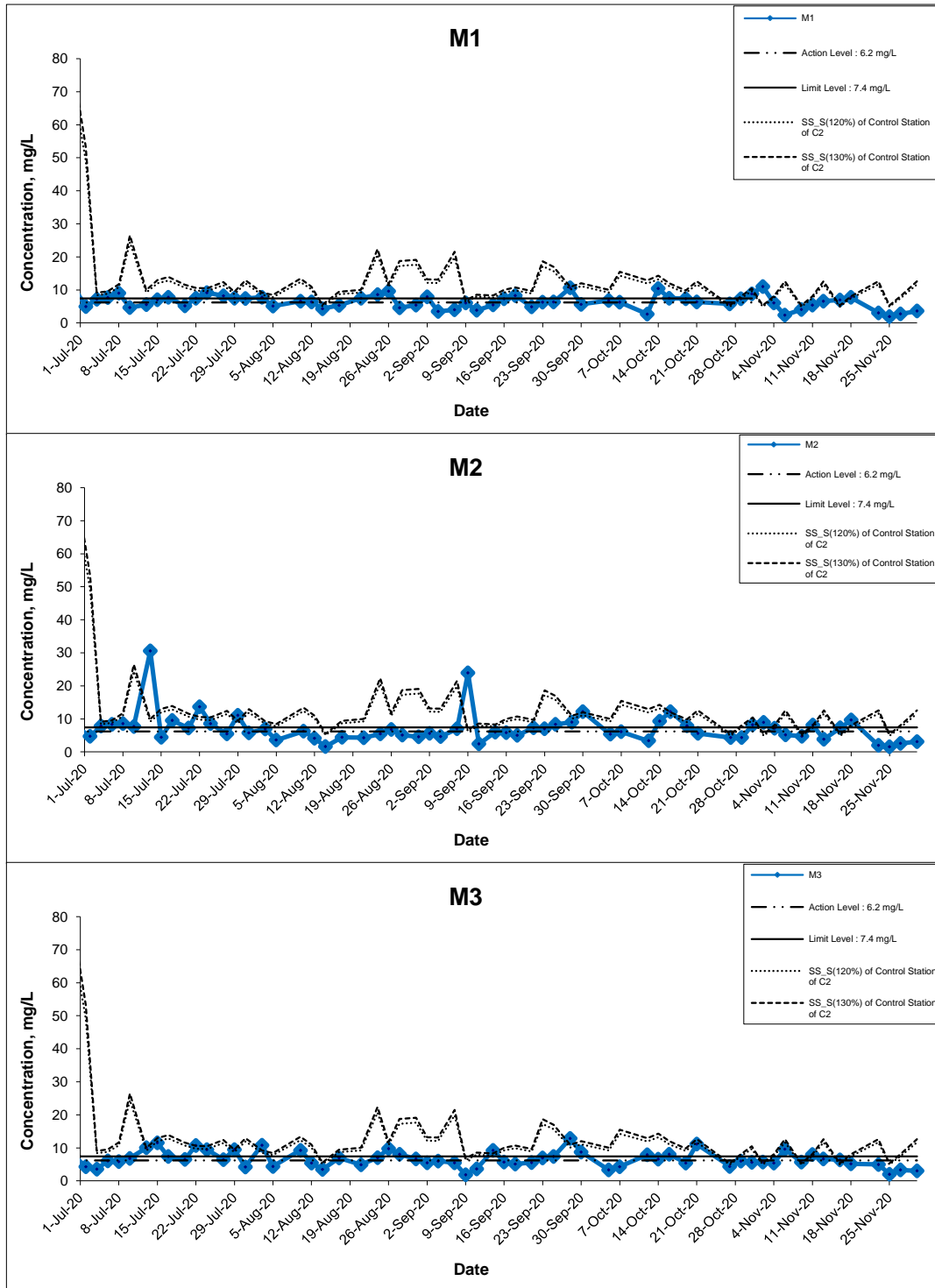
Date Nov 20

Project No. MA16034

Appendix I



Suspended Solids (Surface) at Mid-Ebb Tide



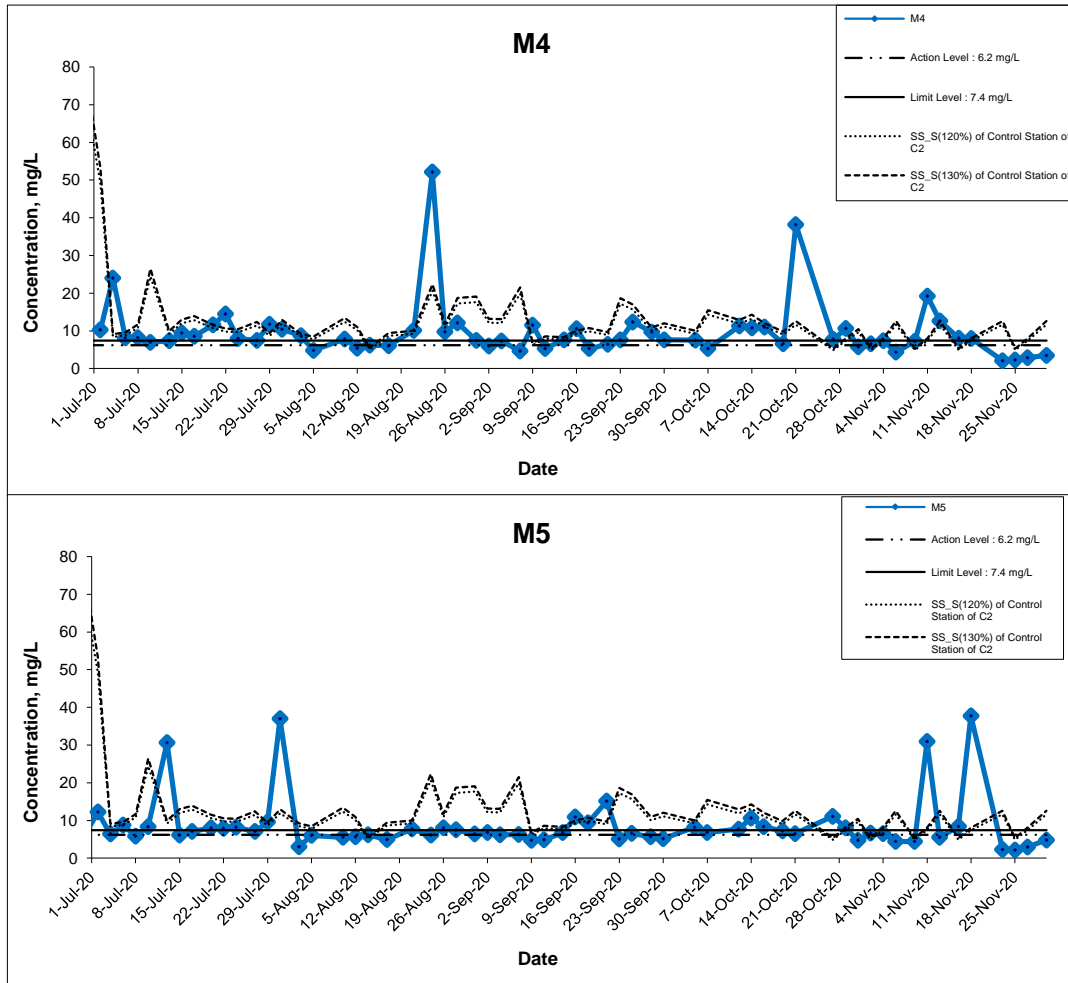
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
 Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
 Date Nov 20

Project No. MA16034
 Appendix I



Suspended Solids (Surface) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

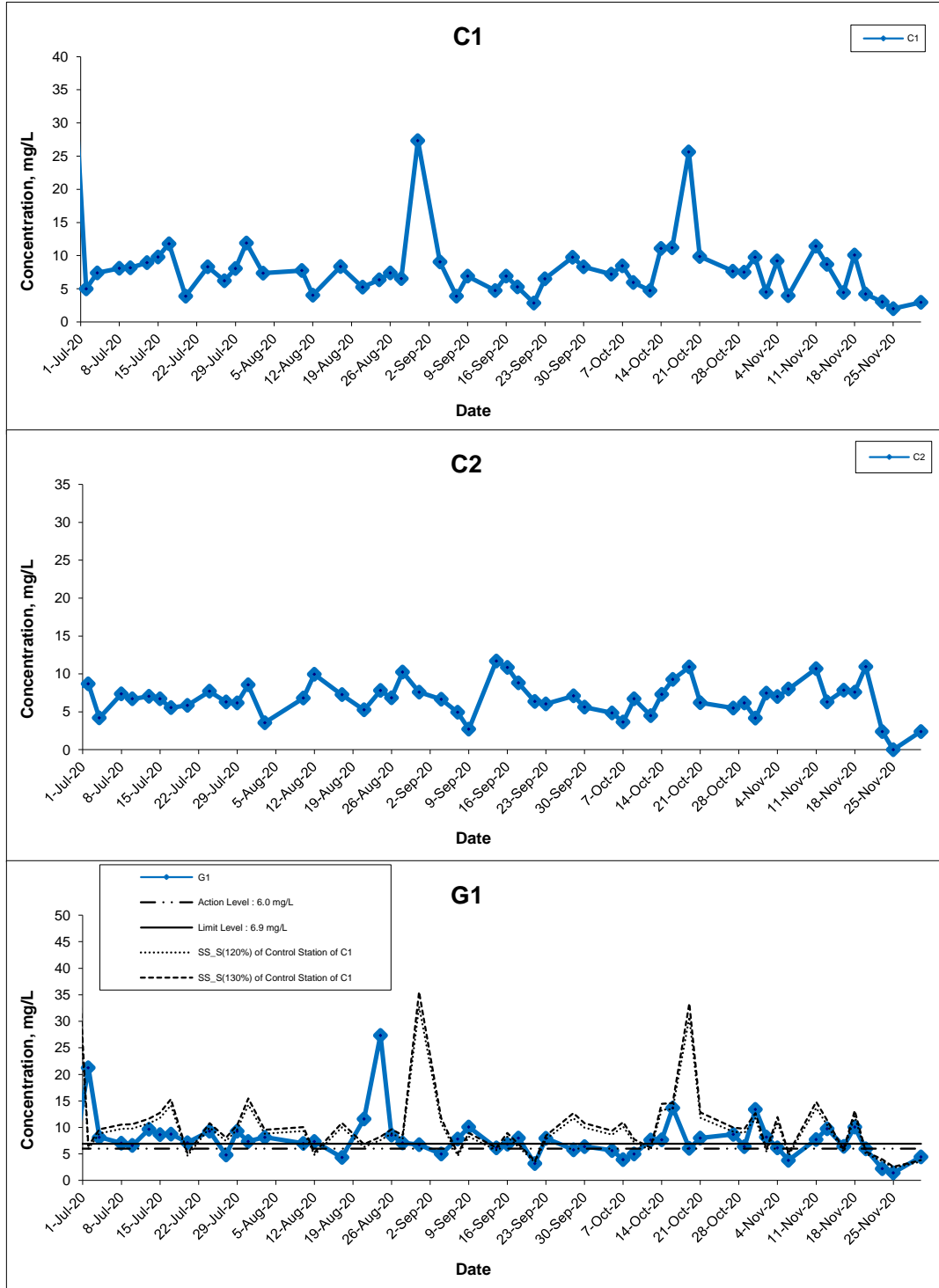
Date Nov 20

Project No. MA16034

Appendix I



Suspended Solids (Surface) at Mid-Flood Tide



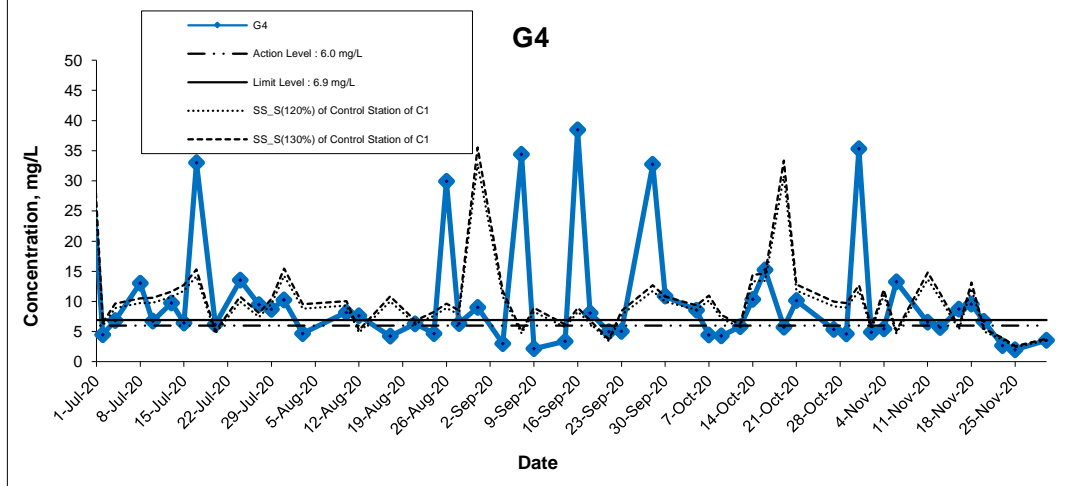
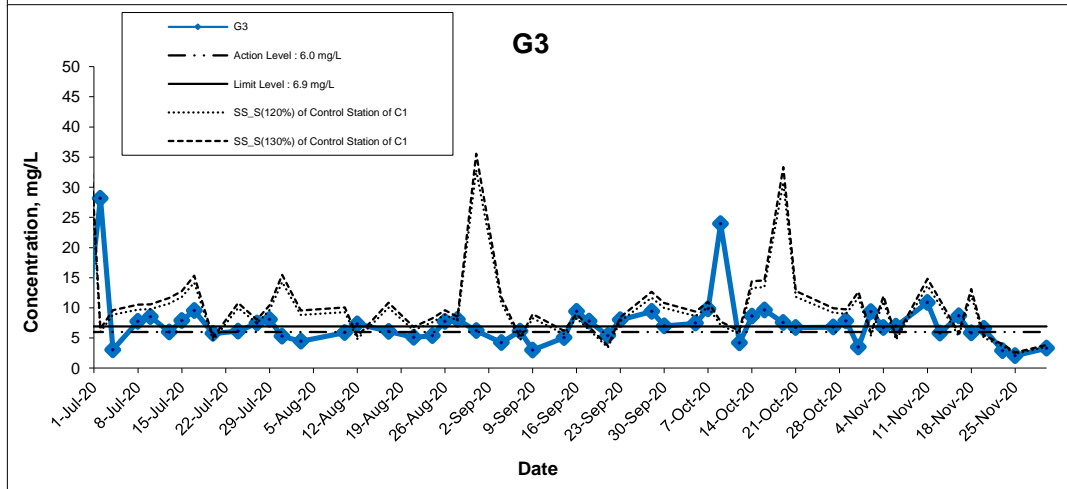
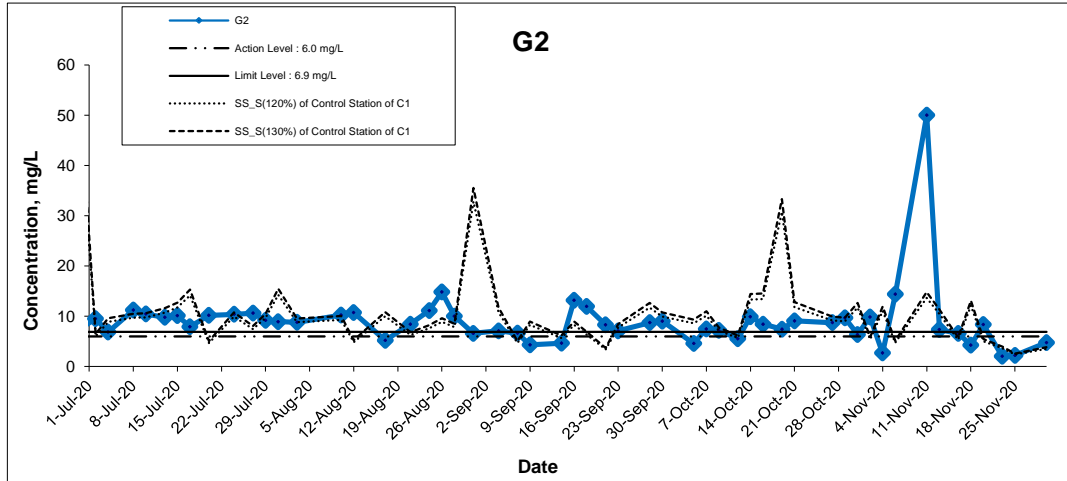
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Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Suspended Solids (Surface) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

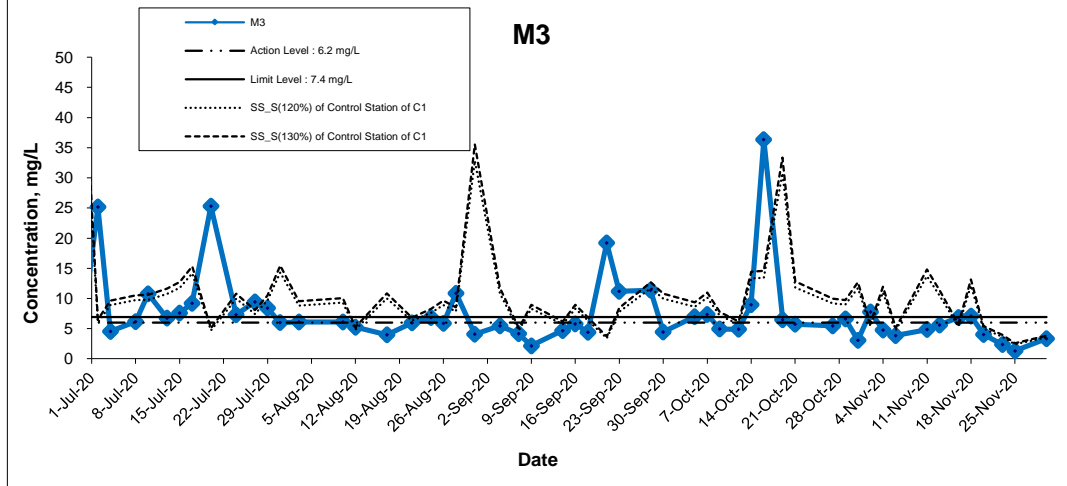
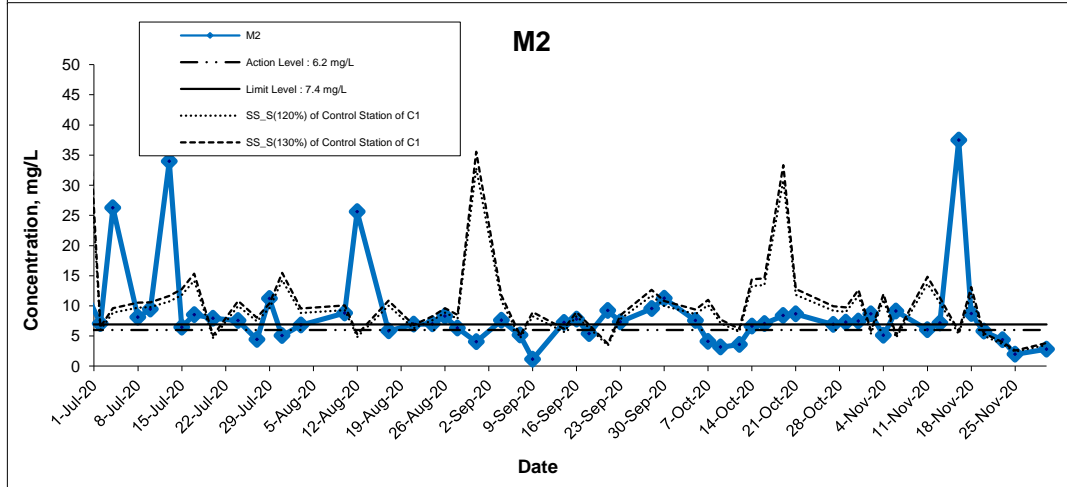
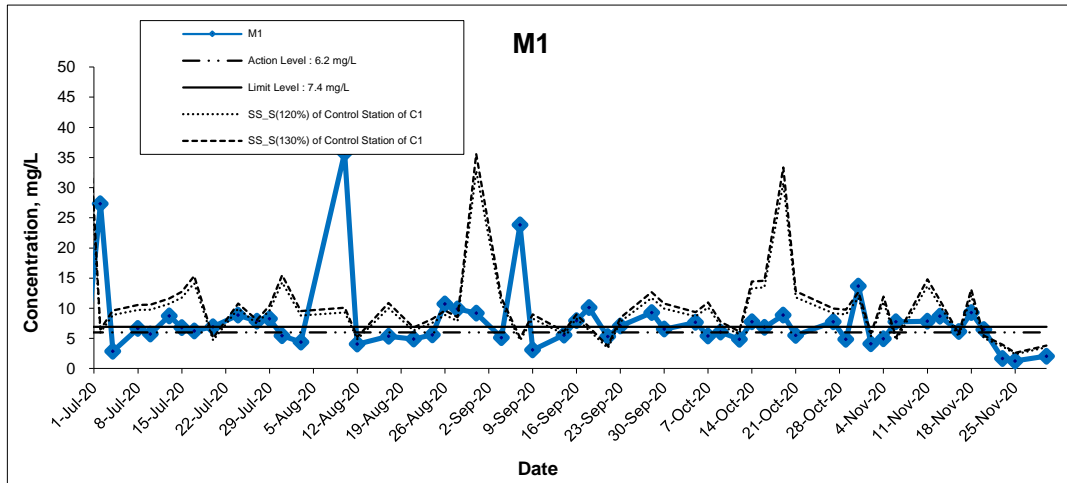
Date Nov 20

Project No. MA16034

Appendix I



Suspended Solids (Surface) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

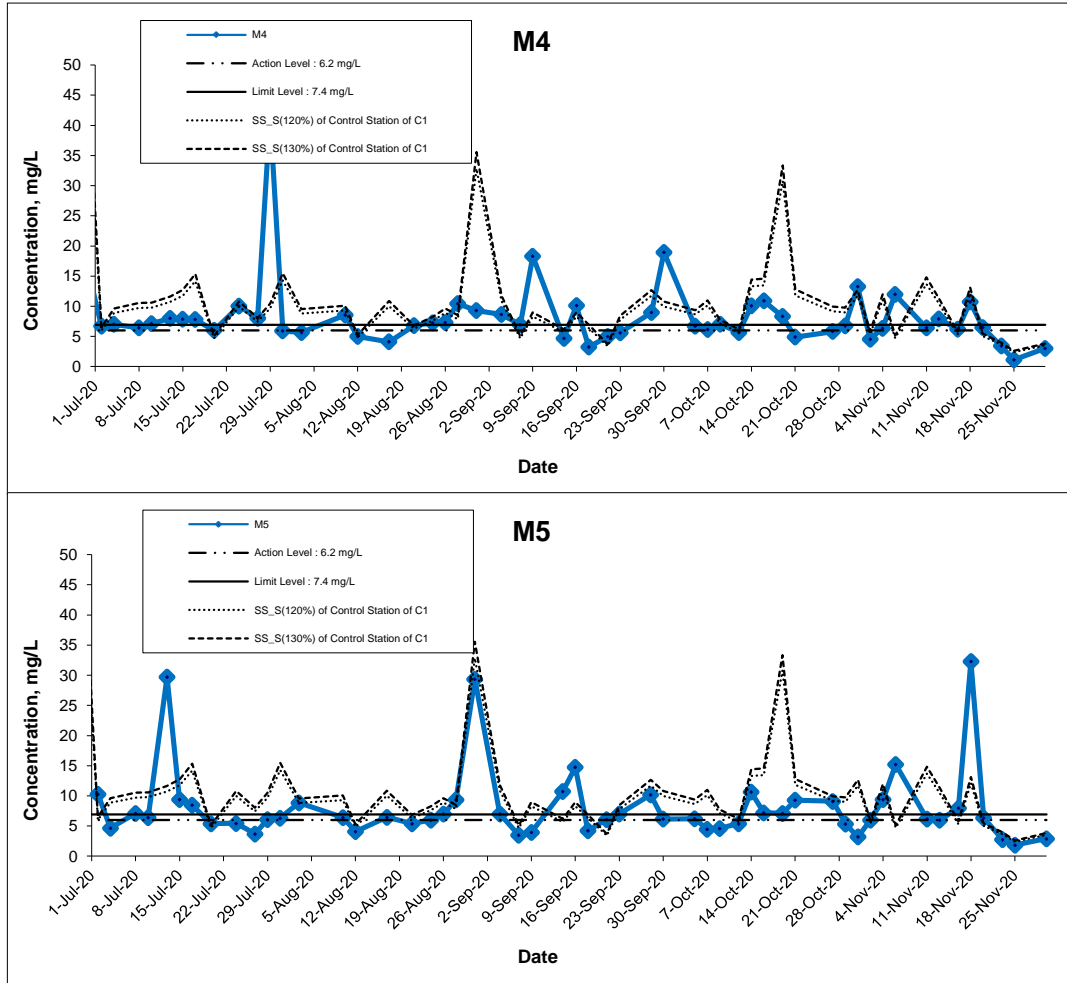
Project No. MA16034

Date Nov 20

Appendix I



Suspended Solids (Surface) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

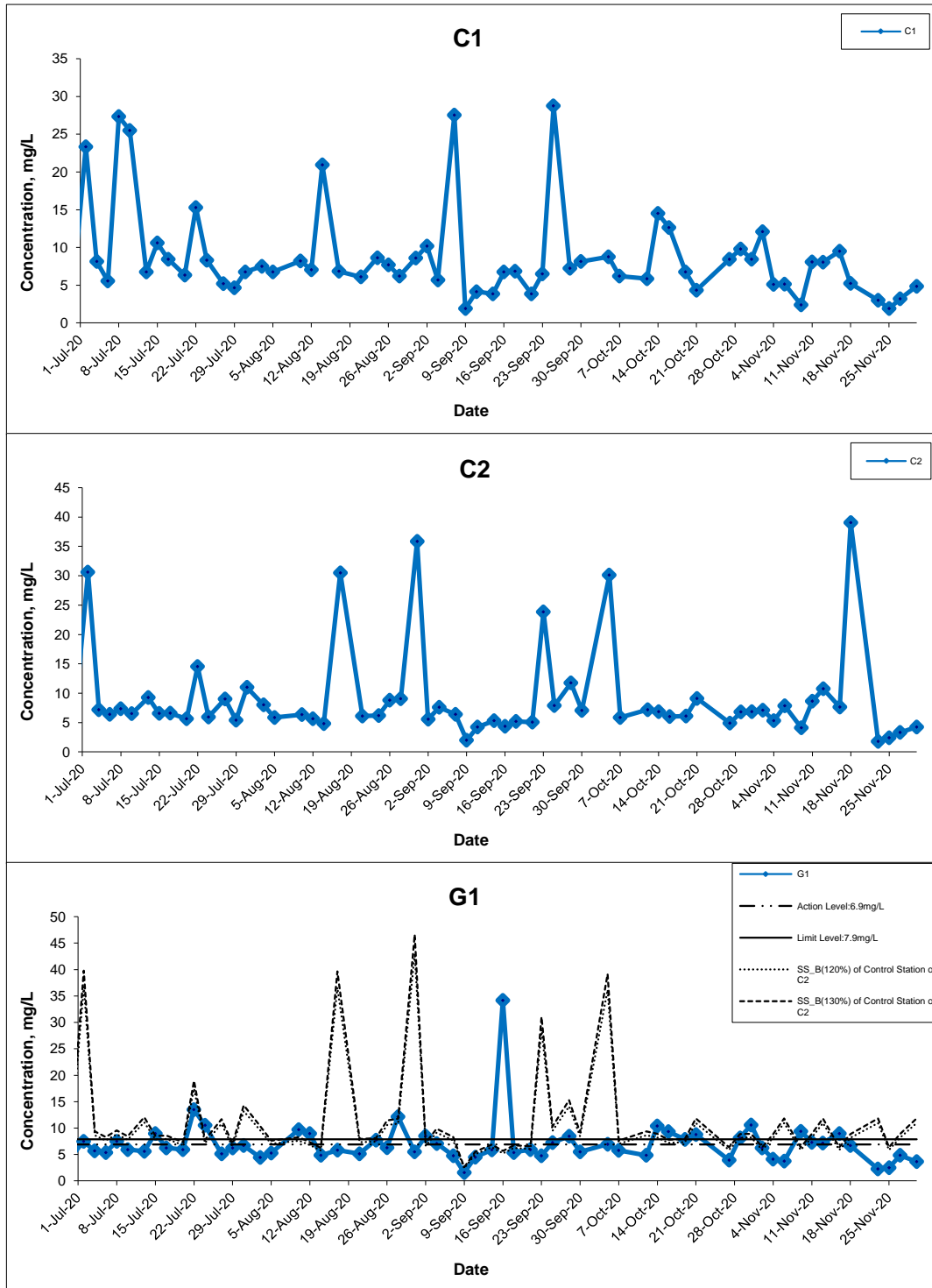
Date Nov 20

Project No. MA16034

Appendix I



Suspended Solids (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

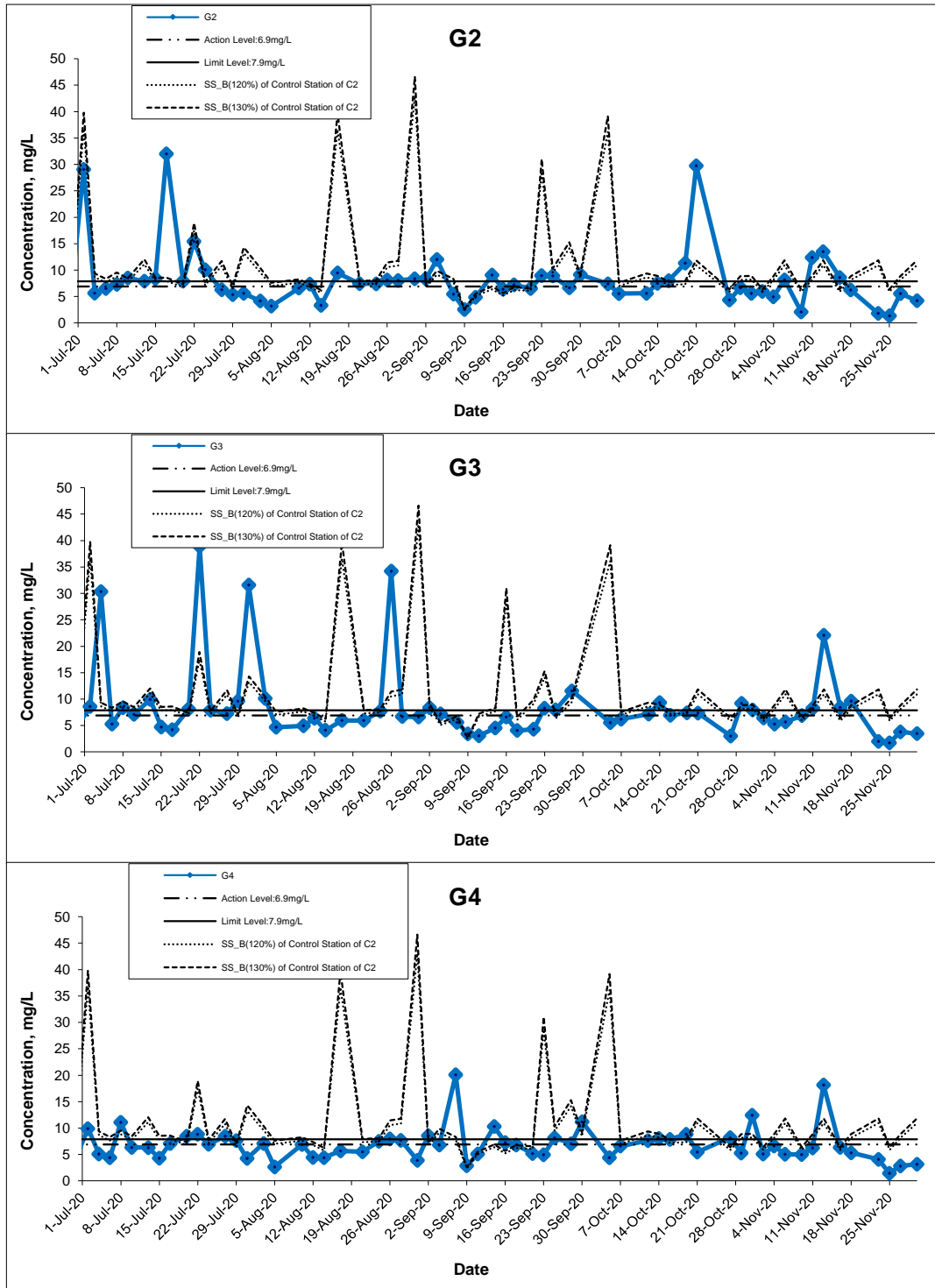
Date Nov 20

Project No. MA16034

Appendix I



Suspended Solids (Bottom) at Mid-Ebb Tide



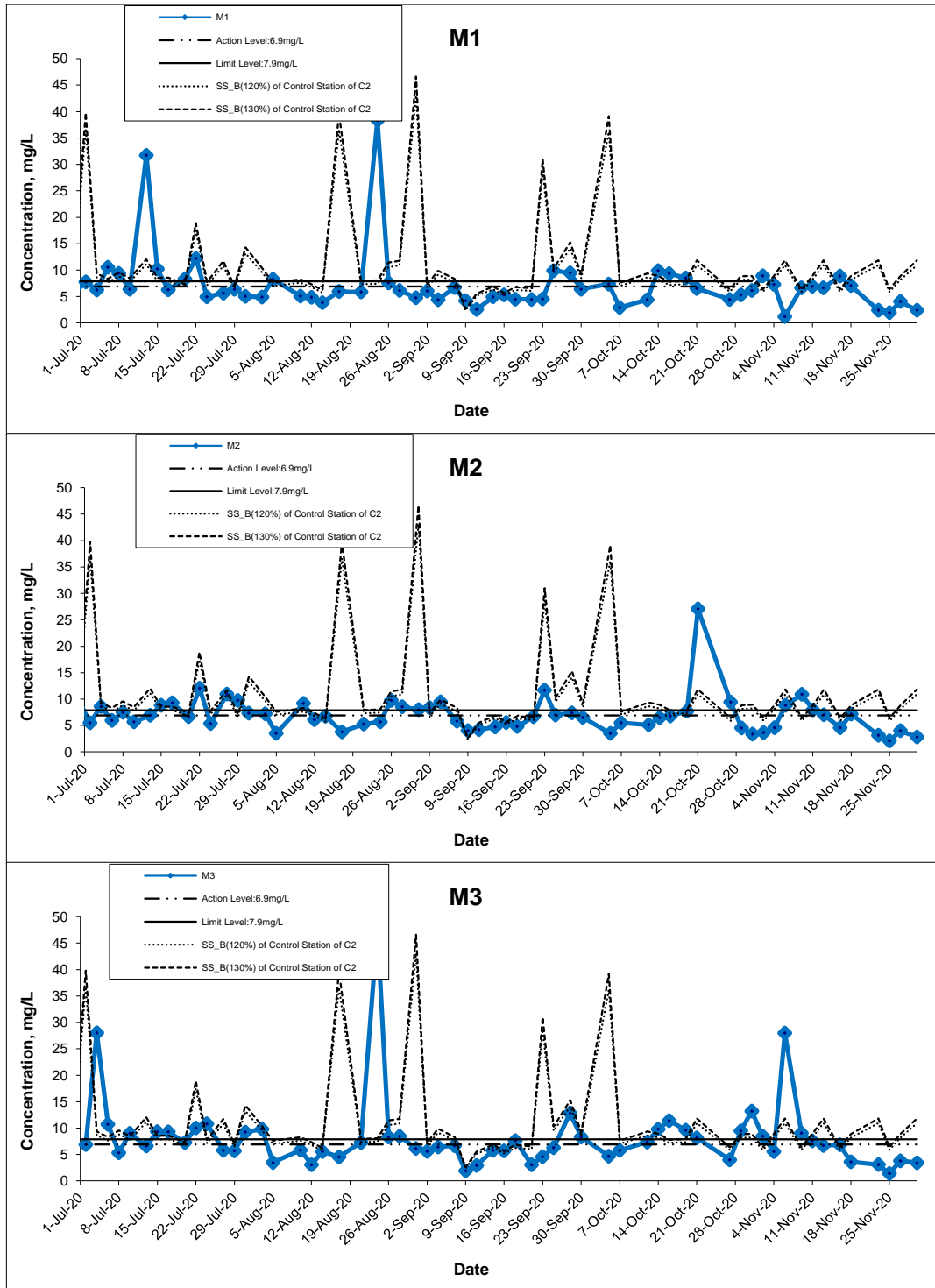
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Suspended Solids (Bottom) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

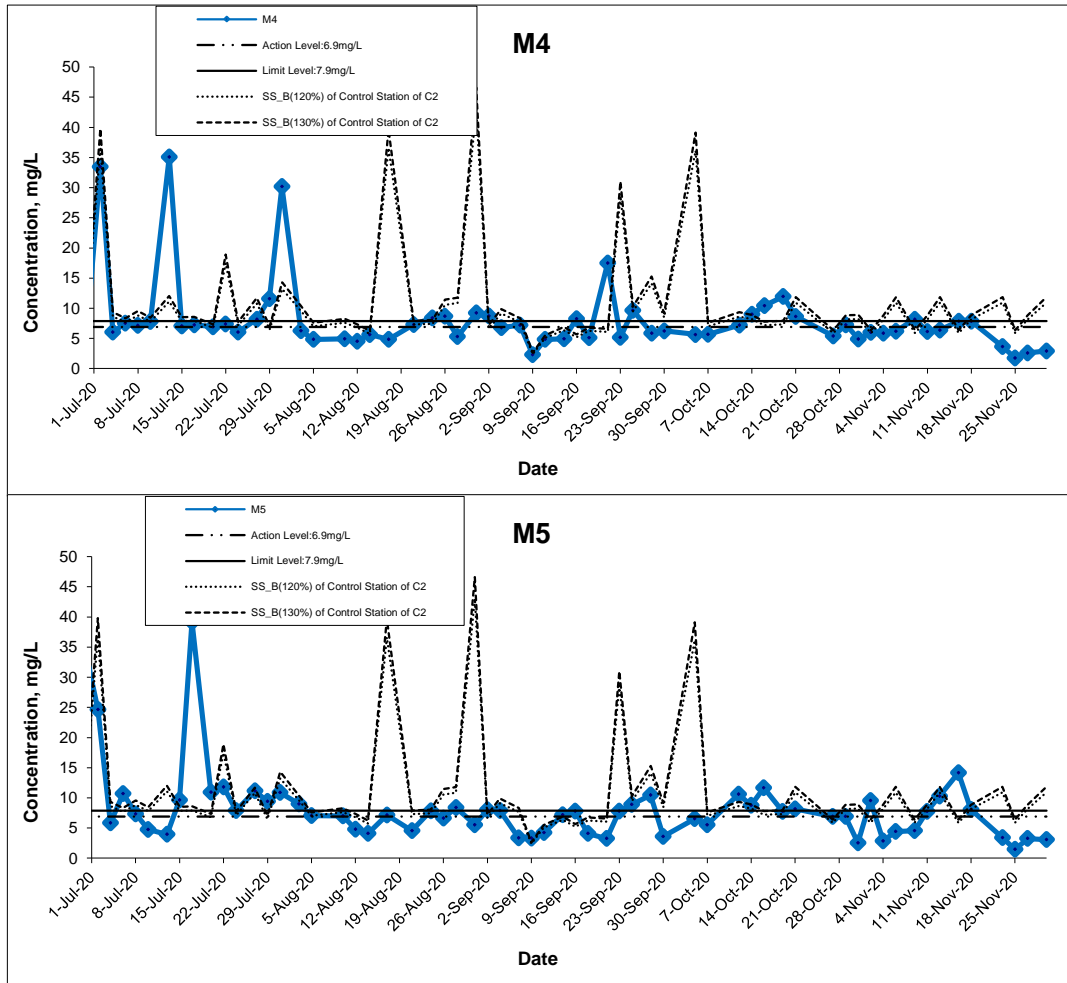
Project No. MA16034

Date Nov 20

Appendix I



Suspended Solids (Bottom) at Mid-Ebb Tide



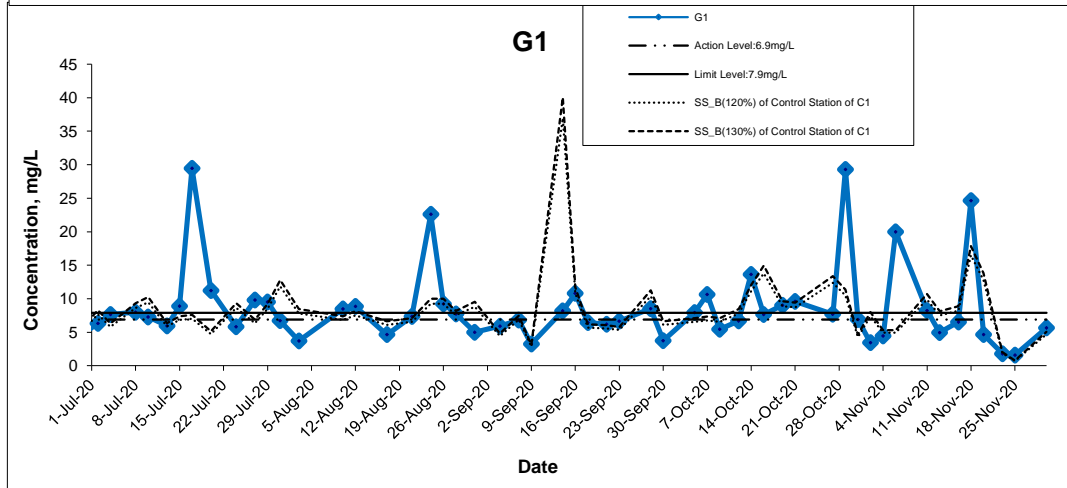
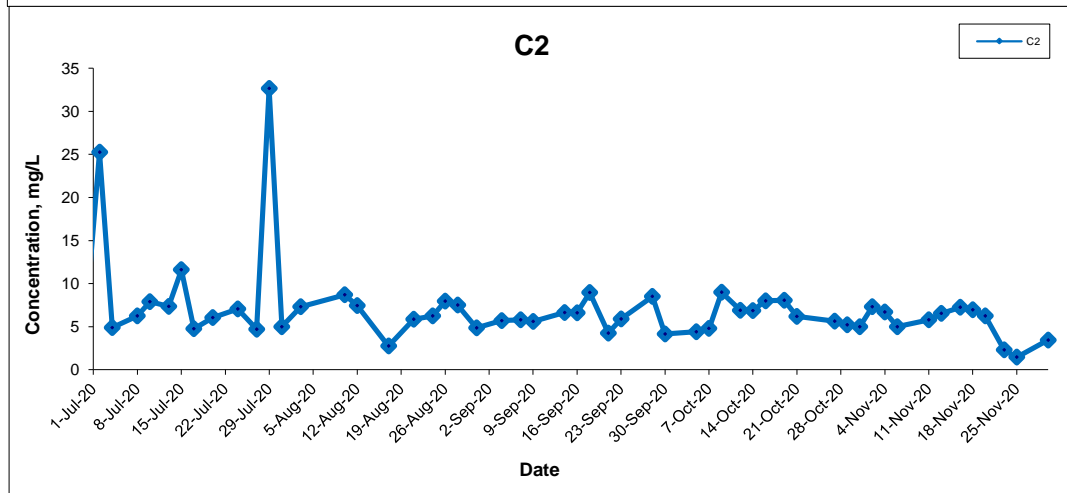
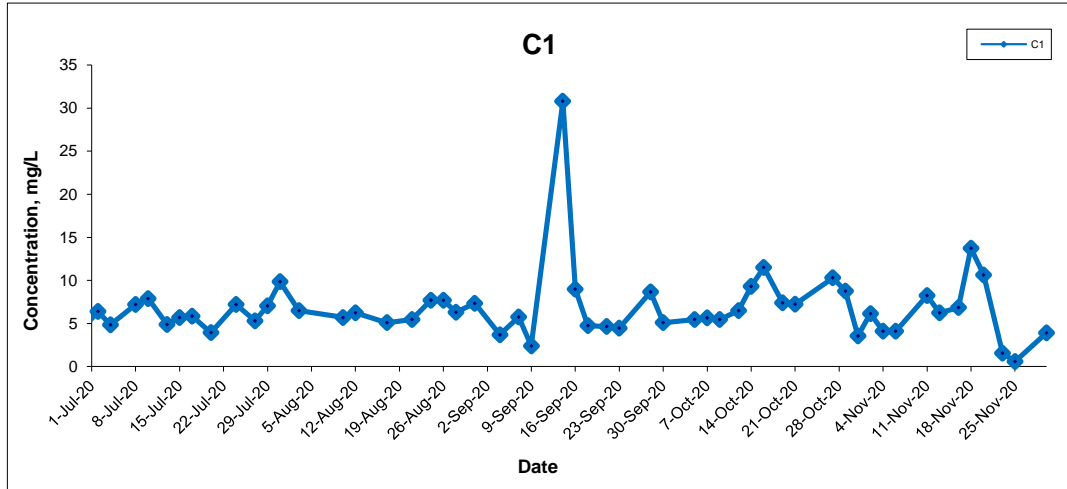
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Suspended Solids (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

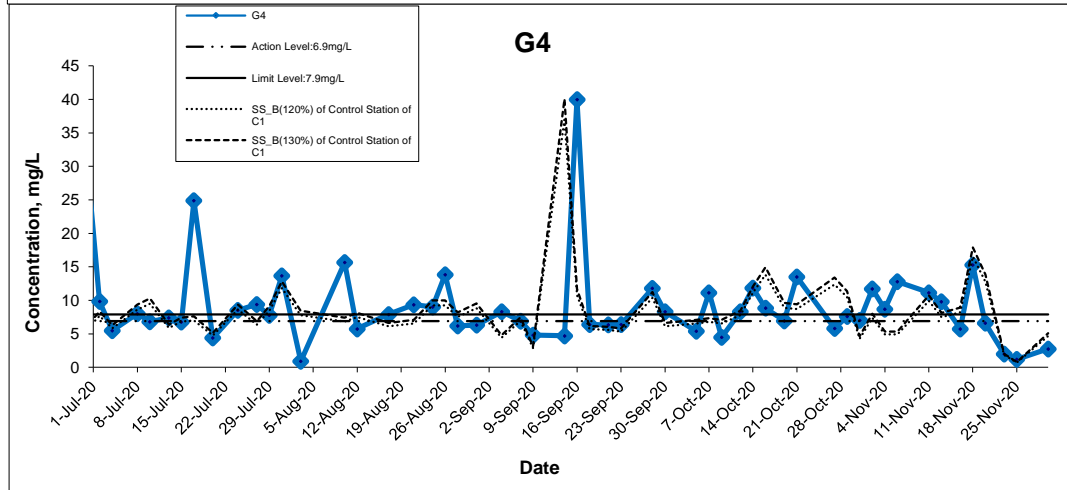
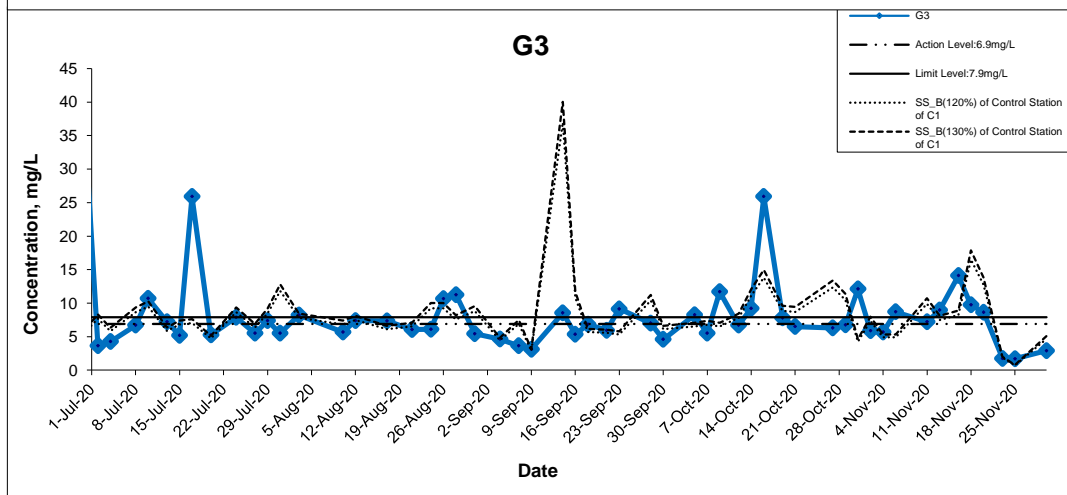
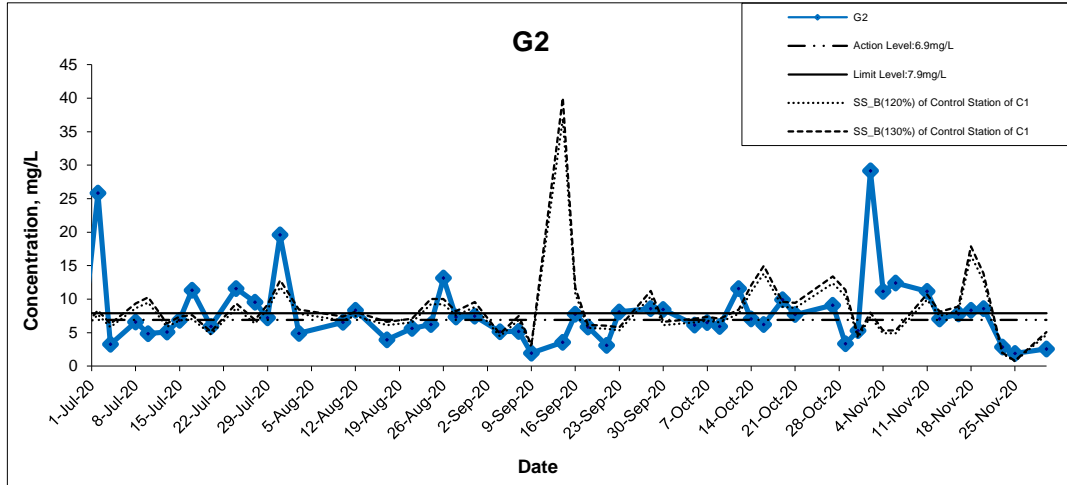
Date Nov 20

Project No. MA16034

Appendix I



Suspended Solids (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

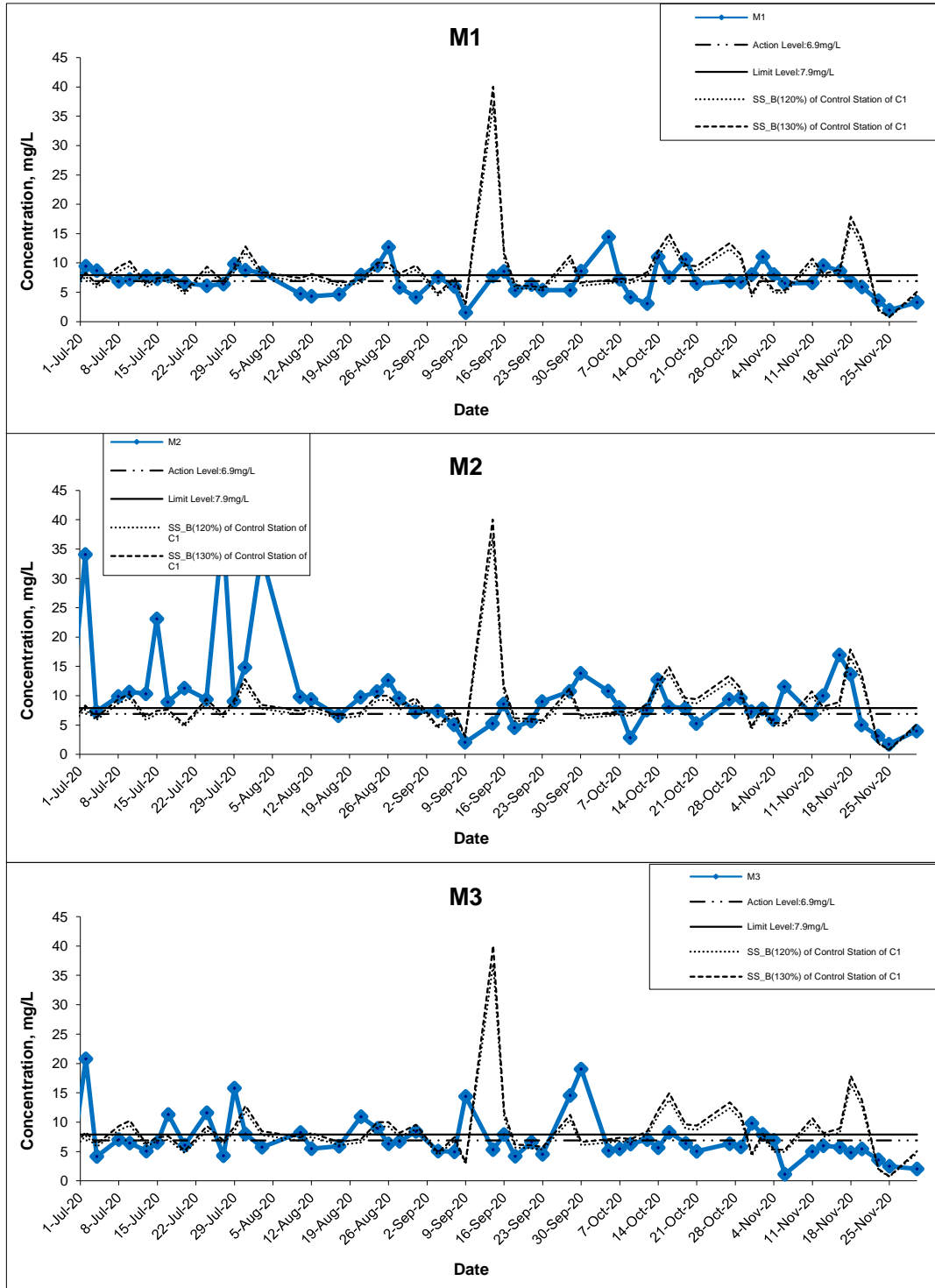
Project No. MA16034

Date Nov 20

Appendix I



Suspended Solids (Bottom) at Mid-Flood Tide



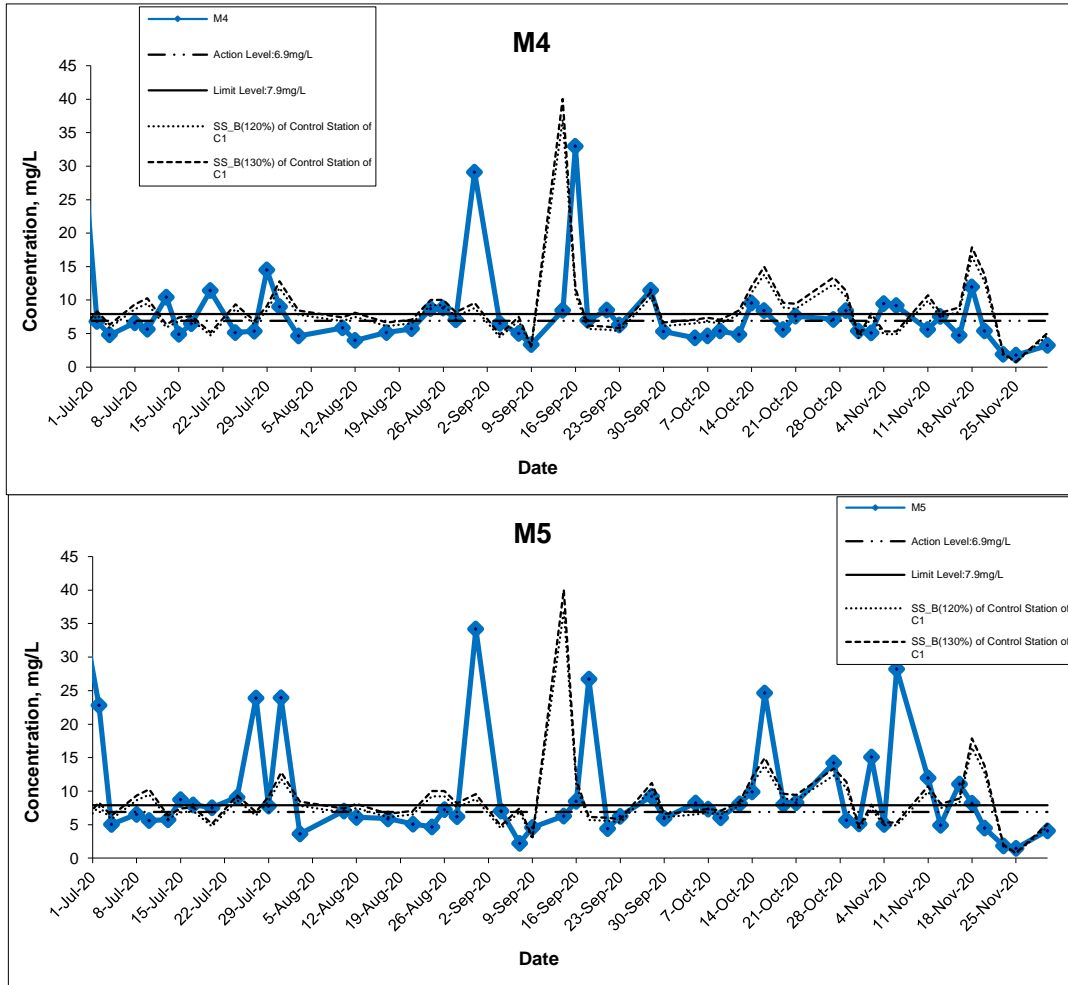
Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S
Date Nov 20

Project No. MA16034
Appendix I



Suspended Solids (Bottom) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction

Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

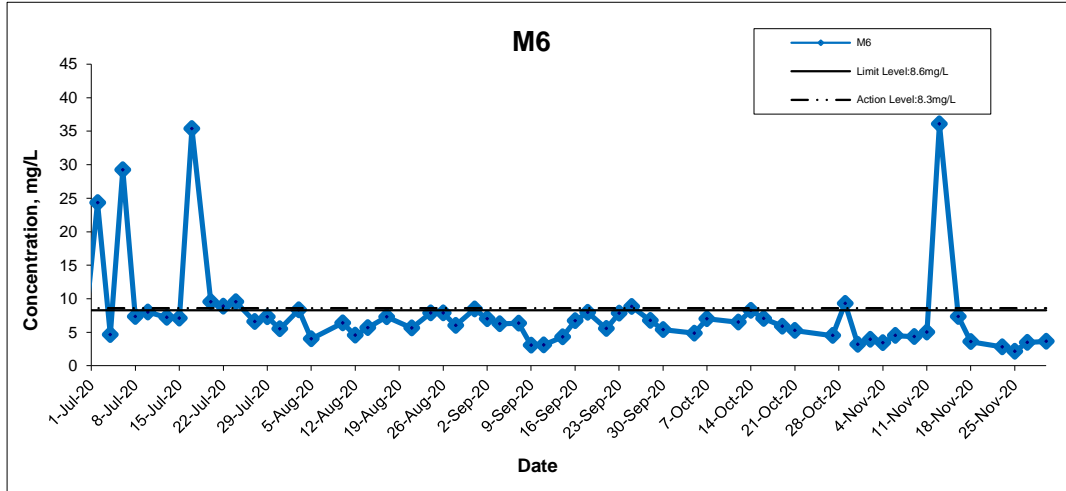
Date Nov 20

Project No. MA16034

Appendix I



Suspended Solids (Intake Level of WSD Salt Water Intake) at Mid-Ebb Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction
Graphical Presentation of Water Quality Monitoring Results

Scale N.T.S

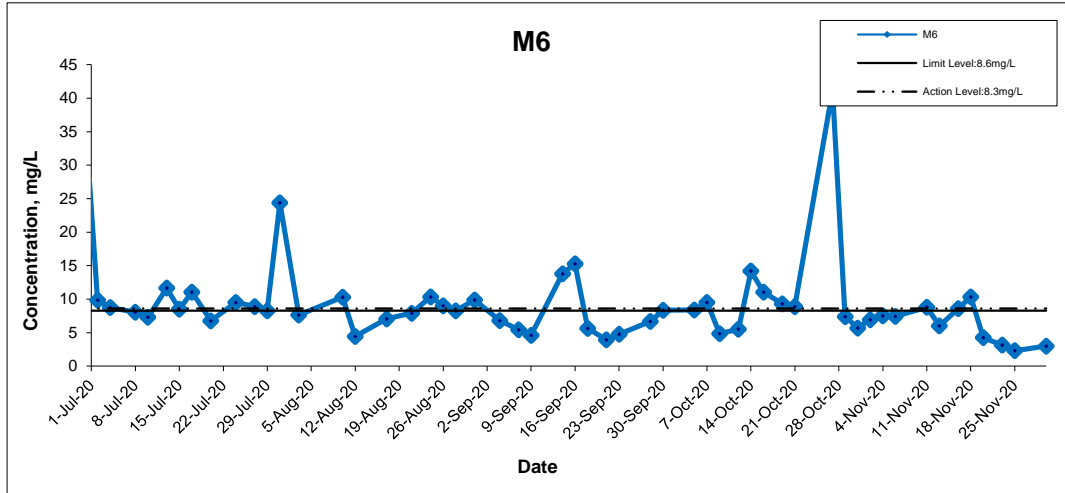
Date Nov 20

Project No. MA16034

Appendix I

CINOTECH

Suspended Solids (Intake Level of WSD Salt Water Intake) at Mid-Flood Tide



Title Agreement No. CE 59/2015(EP) Environmental Team for Tseung Kwan O - Lam Tin Tunnel Design and Construction Graphical Presentation of Water Quality Monitoring Results	Scale N.T.S	Project No. MA16034	CINOTECH
	Date Nov 20	Appendix I	