Appendix L

Cumulative Statistics on Exceedances, Complaints, Notifications of Summons and Successful Prosecutions

 Table L1
 Cumulative Statistics on Exceedances

Parameters	Level of Exceedance	Total No. recorded in this reporting month	Total No. recorded since Contract commencement
1-hr TSP	Action	3	96
	Limit	0	8
24-hr TSP	Action	0	10
	Limit	0	4
Water Quality	Action	2	166
•	Limit	0	19
Impact Dolphin	Action	0	11
Monitoring	Limit	0	16

Table L2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Cumulative Statistics					
_	Complaints	Notifications of	Successful			
		Summons	Prosecutions			
This Reporting Month (October 2019)	0	0	0			
Total No. received since Contract commencement	17	1	0			

Email message

Environmental Resources Management

To Ramboll Hong Kong, Limited (ENPO)

2507, 25/F One Harbourfront 18 Tak Fung Street Hunghom, Kowloon

Hong Kong

From ERM- Hong Kong, Limited

Telephone: (852) 2271 3000 Facsimile: (852) 2723 5660

Ref/Project number Contract No. HY/2012/08 Tuen Mun-Chek Lap

Kok Link-Northern Connection Sub-sea Tunnel

Section

Subject Notification of Exceedance for Air Quality

Impact Monitoring

Date 24 October 2019



Dear Sir or Madam,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

0212330_14October2019_1hrTSP_Station ASR1

One Action Level Exceedance was recorded on 14 October 2019.

Regards,

Dr Jasmine Ng

Environmental Team Leader

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CONTRACT NO. HY/2012/08 TUEN MUN - CHEK LAP KOK LINK NORTHERN CONNECTION SUB-SEA TUNNEL SECTION

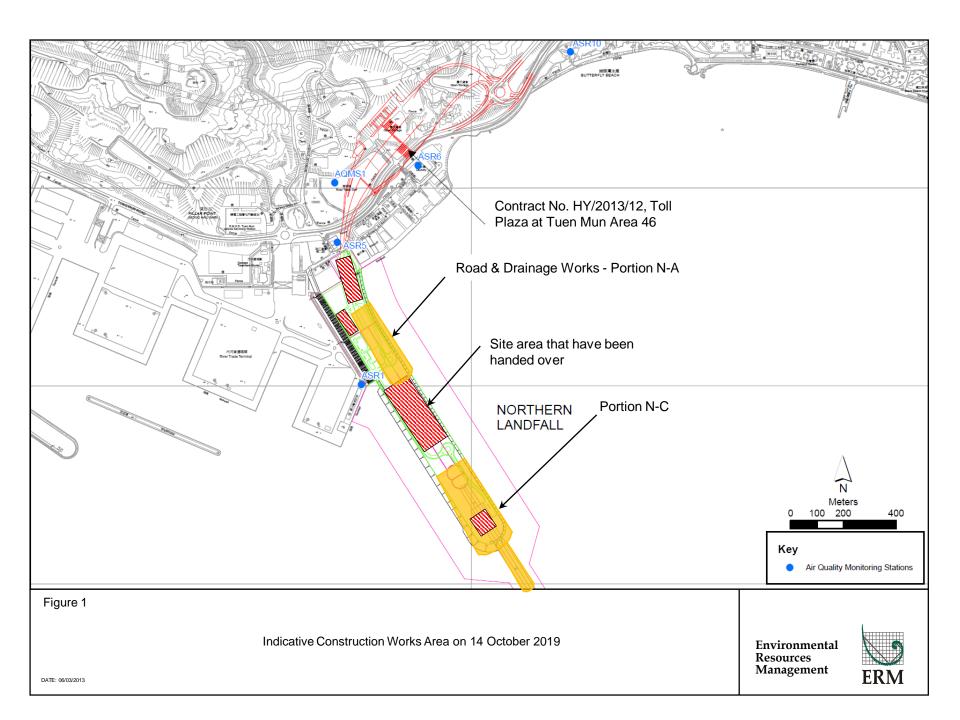
Air Quality Impact Monitoring Notification of Exceedance

Log No.	Action Level Exceedance						
	021233	30_14October2019_1hrTSP_Station ASR1					
		[Total No. of Exceedances = 1]					
Date		14 October 2019 (Measured)					
	24 October 2019 (Laboratory results received by ERM)						
Monitoring Station	AS	SR1, ASR5, ASR6, ASR10 and AQMS1					
Parameter(s) with		1-hr TSP					
Exceedance(s)		1-10 131					
Action Levels	24-hr TSP (μg/m³)	ASR1 = 213					
		ASR5 = 238					
		AQMS1 = 213					
		ASR6 = 238					
		ASR10 = 214					
	1-hr TSP ($\mu g/m^3$) ASR1 = 331						
	ASR5 = 340						
	AQMS1 = 335						
		ASR6 = 338					
		ASR10 = 337					
Limit Levels	1-hr TSP (μg/m³)	500					
	24-hr TSP (μg/m³)	260					
Measured Levels	Action Level Exceedance for 1-hr	TSP is observed at ASR1 (363 μg/m3) during 0950 – 1050 hrs.					
Works Undertaken (at	On 14 October 2019, Road and D	rainage Works were carried out on site.					
the time of monitoring							
event)							
Possible Reason for	The exceedance is unlikely to be	due to this Contract, in view of the following:					
Action or Limit Level	 According to the construct 	tion information provided by the Contractor, only Road and					
Exceedance(s)	Drainage Works were car	ried out on site on 14 October 2019.					
	The exceedance is unlikely	y to be due to this Contract as dust suppression measures were					
	implemented properly on	site. Water spraying was applied on site to prevent dust. Water					
	spraying was also applied	l on exposed soil within the Project site and associated works areas.					
	With reference to the reco	orded wind direction (ranged between 65° and 335°, blowing from a					
		-westerly direction) and wind speed (0.4 m/s) during the works					
	-	located downstream to the construction works at Portion N-A.					
	_	was only recorded in the second hour of 1-hour TSP monitoring					
		n works and dust mitigation measures being carried out. Road &					
		out at Portion N-A are unlikely to cause significant dust impact.					
	- C	nce is unlikely to be due to this Contract.					
	<u>'</u>	,					

Actions Taken / To Be Taken	The Contractor has been reminded to implement the required mitigation measures as per the EP, approved EIA and Updated EM&A Manual including watering to maintain all exposed road surfaces and dust sources wet, use of sprinklers for water spraying, covering the materials having the potential to create dust by clean tarpaulin, use of water truck and watering on all exposed soil within the Project site throughout the construction period.
Remarks	The monitoring results, wind data and the locations of air quality monitoring stations are attached.

	Air quality monitoring results on 14/10/2019									
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit		
TMCLKL	HY/2012/08	14/10/2019	AQMS1	Sunny	9:00	1-hour TSP	92	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	AQMS1	Sunny	10:02	1-hour TSP	66	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	AQMS1	Sunny	11:04	1-hour TSP	72	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR1	Sunny	8:48	1-hour TSP	93	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR1	Sunny	9:50	1-hour TSP	363	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR1	Sunny	10:52	1-hour TSP	117	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR10	Sunny	8:15	1-hour TSP	36	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR10	Sunny	9:17	1-hour TSP	35	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR10	Sunny	10:19	1-hour TSP	48	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR5	Sunny	8:37	1-hour TSP	278	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR5	Sunny	9:39	1-hour TSP	135	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR5	Sunny	10:41	1-hour TSP	154	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR6	Sunny	8:25	1-hour TSP	101	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR6	Sunny	9:27	1-hour TSP	77	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR6	Sunny	10:29	1-hour TSP	84	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	AQMS1	Sunny	12:06	24-hour TSP	72	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR1	Sunny	11:54	24-hour TSP	83	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR10	Sunny	11:21	24-hour TSP	41	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR5	Sunny	11:43	24-hour TSP	116	ug/m3		
TMCLKL	HY/2012/08	14/10/2019	ASR6	Sunny	11:31	24-hour TSP	65	ug/m3		

Meteorological Data for Impact Monitoring in the reporting period						
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction(degree)			
19/10/14	0:00	0.4	165			
19/10/14	1:00	0.4	336			
19/10/14	2:00	0.9	77			
19/10/14	3:00	0.9	66			
19/10/14	4:00	1.3	65			
19/10/14	5:00	0.9	80			
19/10/14	6:00	0.4	178			
19/10/14	7:00	0.4	187			
19/10/14	8:00	0	-			
19/10/14	9:00	0.4	65			
19/10/14	10:00	0.4	335			
19/10/14	11:00	0.9	60			
19/10/14	12:00	1.3	64			
19/10/14	13:00	0.9	83			
19/10/14	14:00	0.9	3			
19/10/14	15:00	1.3	30			
19/10/14	16:00	1.3	344			
19/10/14	17:00	1.3	114			
19/10/14	18:00	0.4	123			
19/10/14	19:00	0.4	81			
19/10/14	20:00	0.9	65			
19/10/14	21:00	0.9	86			
19/10/14	22:00	1.3	83			
19/10/14	23:00	2.7	62			





Contract No. HY/2012/08 Tuen Mun – Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section

Weekly Water Spraying Record 每週灌水檢查記錄

_										
Sit Da		登位置: 月:		Northern Landfall 14 Oct 2019 to 至 10 Oct 2019						
			W = 5000 W(1							
	Time 時間	Monday 星期一	Tuesday 星期二	Wednesday 星期三	Thursday 星期四	<u>Friday</u> 星期五	Saturday 星期六	Sunday 星期日		
1	8:00 - 8:45				_	1		_		
2	8:45 - 9:30				_	/	_			
3	9:30 - 10:15							/		
4	10:15 - 11:00				/	/	~	_		
5	11:00 - 11:45							/		
6	11:45 – 12:30	_				/				
7	12:30 - 13:15		/					/		
8	13:15 – 14:00	_		_						
9	14:00 – 14:45	_			_		-	/		
10	14:45 – 15:30			_			_	_		
11	15:30 – 16:45							_		
12	16:45 – 17:30							/		
	Verified by Site Foreman 地盤科文簽署確認	7	7	7	7	7	7	7		
Night shift 夜間工作 (if necessary 如需要)										
	17:30 – 19:00									
	19:00 – 20:30									
	20:30 – 22:00									
	22:00 – 23:00									

*Please -

tick ($\sqrt{}$) in the box if complete the spraying of water. circle (O) in the box if it is raining.

*如果 - 已經完成灑水,請於方格內加上剔號(√)。 是下兩天, 請於方格內加上圓圈(O)。

Remarks:

- (1) Pursuant to EP Clause 3.15, the Permit Holder shall undertake watering at least 12 times per day on all exposed soil within the Project site and associated work areas in Tuen Mun area throughout the construction phase.
- (2) Spraying position includes the main haul road, open area, slopes, stockpiles and any other dusty materials.
- (3) If it is raining, no water spraying is needed.
- (4) The no of spraying will be increased due to site condition.

備註:

- (1) 根據環境許可證 3. 15 條例,在整個施工階段內,許可證持有人須每天至少 12 次在屯門區項目工地和相關的工作區域內的所有暴露土壤灑水。
- (2) 灑水位置包括主要運輸道路,空曠地帶,斜坡,存料堆,以及任何其他產生塵埃物料。
- (3) 當下雨時, 地盤將不需要灑水。
- (4) 如果地盤情況更改或有需要時,灑水次數會相應增加。

Email message

Environmental Resources Management

To Ramboll Hong Kong, Limited (ENPO)

2507, 25/F One Harbourfront 18 Tak Fung Street Hunghom, Kowloon

Hunghom, Kowl

From ERM- Hong Kong, Limited

Telephone: (852) 2271 3000 Facsimile: (852) 2723 5660

Ref/Project number Contract No. HY/2012/08 Tuen Mun-Chek Lap

Kok Link-Northern Connection Sub-sea Tunnel

Section

Subject Notification of Exceedance for Air Quality

Impact Monitoring

Date 24 October 2019



Dear Sir or Madam,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

0212330_17October2019_1hrTSP_Station ASR1 0212330_17October2019_1hrTSP_Station ASR1

Two Action Level Exceedances were recorded on 17 October 2019.

Regards,

Dr Jasmine Ng

Environmental Team Leader

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CONTRACT NO. HY/2012/08 TUEN MUN - CHEK LAP KOK LINK NORTHERN CONNECTION SUB-SEA TUNNEL SECTION

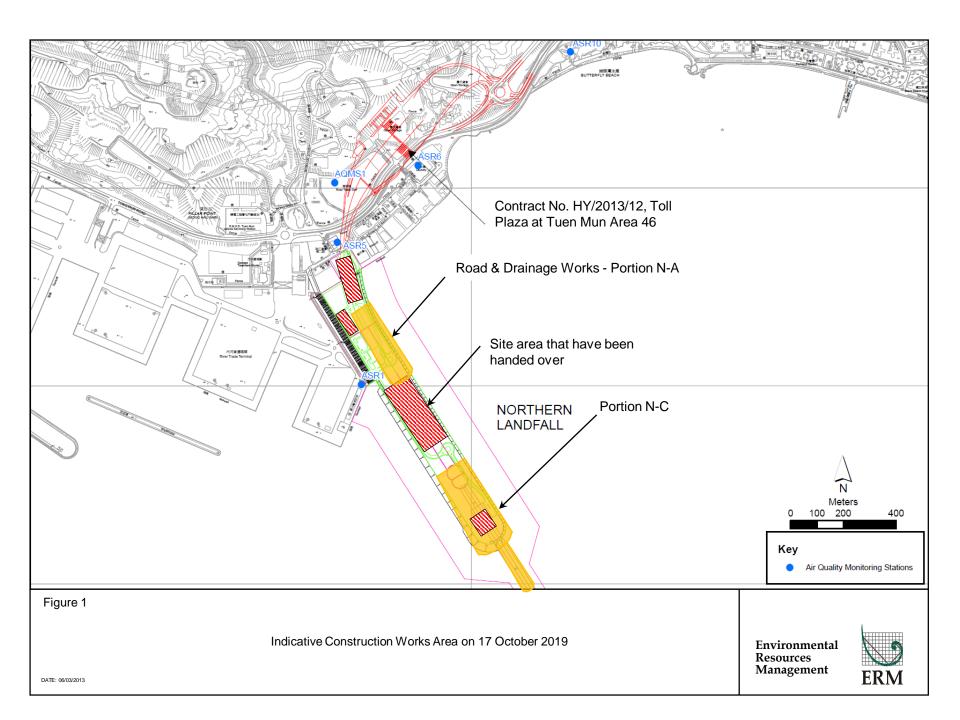
Air Quality Impact Monitoring Notification of Exceedance

Log No.		Action Level Exceedance							
		0_17October2019_1hrTSP_Station ASR1							
	0212330_17October2019_1hrTSP_Station ASR1 [Total No. of Exceedances = 2]								
	[Total No. of Exceedances = 2]								
Date		17 October 2019 (Measured)							
		r 2019 (Laboratory results received by ERM)							
Monitoring Station	AS	SR1, ASR5, ASR6, ASR10 and AQMS1							
Parameter(s) with Exceedance(s)		1-hr TSP							
Action Levels	24-hr TSP (μg/m³)	ASR1 = 213							
		ASR5 = 238							
		AQMS1 = 213							
		ASR6 = 238							
		ASR10 = 214							
	1-hr TSP (μg/m³)	ASR1 = 331							
		ASR5 = 340							
		AQMS1 = 335							
		ASR6 = 338							
		ASR10 = 337							
Limit Levels	1-hr TSP (μg/m³)	500							
	24-hr TSP (μg/m³)	260							
Measured Levels	Action Level Exceedance for 1-hr	TSP is observed at ASR1 (354 μg/m3) during 0941 – 1041 hrs.							
	Action Level Exceedance for 1-hr	TSP is observed at ASR1 (385 $\mu g/m3$) during 1043 – 1143 hrs.							
Works Undertaken (at	On 17 October 2019, Road and Dr	rainage Works were carried out on site.							
the time of monitoring									
event)									
Possible Reason for	The exceedance is unlikely to be	due to this Contract, in view of the following:							
Action or Limit Level	According to the construction	tion information provided by the Contractor, only Road and							
Exceedance(s)	Drainage Works were car	ried out on site on 17 October 2019.							
	The exceedance is unlikely	y to be due to this Contract as dust suppression measures were							
	implemented properly on	site. Water spraying was applied on site to prevent dust. Water							
	spraying was also applied	on exposed soil within the Project site and associated works areas.							
		rded wind direction (ranged between 67° and 98°, blowing from a							
	north-easterly direction) a	nd wind speed (ranged between 1.3 and 1.8 m/s) during the works							
	period, Stations ASR1 are	located downstream to the construction works at Portion N-A.							
	_	rainage Works was carried out at Portion N-A on 17 October 2019,							
	which are unlikely to caus	_							
	-	ice is unlikely to be due to this Contract.							
		<i>J</i>							

Actions Taken / To Be Taken	The Contractor has been reminded to implement the required mitigation measures as per the EP, approved EIA and Updated EM&A Manual including watering to maintain all exposed road surfaces and dust sources wet, use of sprinklers for water spraying, covering the materials having the potential to create dust by clean tarpaulin, use of water truck and watering on all exposed soil within the Project site throughout the construction period.
Remarks	The monitoring results, wind data and the locations of air quality monitoring stations are attached.

	Air quality monitoring results on 17/10/2019									
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit		
TMCLKL	HY/2012/08	17/10/2019	AQMS1	Sunny	8:50	1-hour TSP	103	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	AQMS1	Sunny	9:52	1-hour TSP	114	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	AQMS1	Sunny	10:54	1-hour TSP	110	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR1	Sunny	8:39	1-hour TSP	331	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR1	Sunny	9:41	1-hour TSP	354	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR1	Sunny	10:43	1-hour TSP	385	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR10	Sunny	8:04	1-hour TSP	68	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR10	Sunny	9:06	1-hour TSP	73	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR10	Sunny	10:08	1-hour TSP	68	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR5	Sunny	8:27	1-hour TSP	288	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR5	Sunny	9:29	1-hour TSP	230	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR5	Sunny	10:31	1-hour TSP	165	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR6	Sunny	8:15	1-hour TSP	128	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR6	Sunny	9:17	1-hour TSP	112	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR6	Sunny	10:19	1-hour TSP	96	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	AQMS1	Sunny	11:56	24-hour TSP	64	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR1	Sunny	11:45	24-hour TSP	144	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR10	Sunny	11:10	24-hour TSP	56	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR5	Sunny	11:33	24-hour TSP	100	ug/m3		
TMCLKL	HY/2012/08	17/10/2019	ASR6	Sunny	11:21	24-hour TSP	81	ug/m3		

Meteorological Data for Impact Monitoring in the reporting period						
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction(degree)			
19/10/17	0:00	0.4	153			
19/10/17	1:00	0.4	108			
19/10/17	2:00	0.4	7			
19/10/17	3:00	0.4	69			
19/10/17	4:00	0.4	183			
19/10/17	5:00	0	-			
19/10/17	6:00	0.4	111			
19/10/17	7:00	1.3	101			
19/10/17	8:00	2.2	67			
19/10/17	9:00	1.8	84			
19/10/17	10:00	1.3	98			
19/10/17	11:00	1.8	67			
19/10/17	12:00	1.3	98			
19/10/17	13:00	1.8	44			
19/10/17	14:00	1.3	56			
19/10/17	15:00	0.9	74			
19/10/17	16:00	0.9	27			
19/10/17	17:00	0.9	329			
19/10/17	18:00	0.9	345			
19/10/17	19:00	0.9	356			
19/10/17	20:00	0.9	337			
19/10/17	21:00	0.9	351			
19/10/17	22:00	1.3	335			
19/10/17	23:00	1.3	339			





Contract No. HY/2012/08 Tuen Mun – Chek Lap Kok Link Northern Connection Sub-sea Tunnel Section

Weekly Water Spraying Record 每週灌水檢查記錄

_										
Sit Da		登位置: 月:		Northern Landfall 14 Oct 2019 to 至 10 Oct 2019						
			W = 5000 W(1							
	Time 時間	Monday 星期一	Tuesday 星期二	Wednesday 星期三	Thursday 星期四	<u>Friday</u> 星期五	Saturday 星期六	Sunday 星期日		
1	8:00 - 8:45				_	1		_		
2	8:45 - 9:30				_	/	_			
3	9:30 - 10:15							/		
4	10:15 - 11:00				/	/	~	_		
5	11:00 - 11:45							/		
6	11:45 – 12:30	_				/				
7	12:30 - 13:15		/					/		
8	13:15 – 14:00	_		_						
9	14:00 – 14:45	_			_		-	/		
10	14:45 – 15:30			_			_	_		
11	15:30 – 16:45							_		
12	16:45 – 17:30							/		
	Verified by Site Foreman 地盤科文簽署確認	7	7	7	7	7	7	7		
Night shift 夜間工作 (if necessary 如需要)										
	17:30 – 19:00									
	19:00 – 20:30									
	20:30 – 22:00									
	22:00 – 23:00									

*Please -

tick ($\sqrt{}$) in the box if complete the spraying of water. circle (O) in the box if it is raining.

*如果 - 已經完成灑水,請於方格內加上剔號(√)。 是下兩天, 請於方格內加上圓圈(O)。

Remarks:

- (1) Pursuant to EP Clause 3.15, the Permit Holder shall undertake watering at least 12 times per day on all exposed soil within the Project site and associated work areas in Tuen Mun area throughout the construction phase.
- (2) Spraying position includes the main haul road, open area, slopes, stockpiles and any other dusty materials.
- (3) If it is raining, no water spraying is needed.
- (4) The no of spraying will be increased due to site condition.

備註:

- (1) 根據環境許可證 3. 15 條例,在整個施工階段內,許可證持有人須每天至少 12 次在屯門區項目工地和相關的工作區域內的所有暴露土壤灑水。
- (2) 灑水位置包括主要運輸道路,空曠地帶,斜坡,存料堆,以及任何其他產生塵埃物料。
- (3) 當下雨時, 地盤將不需要灑水。
- (4) 如果地盤情況更改或有需要時,灑水次數會相應增加。

Email message Environmental Resources Management

To Ramboll Hong Kong Limited (ENPO)

2507,

From

ERM- Hong Kong, Limited

25/F One Harbourfront, 18 Tak Fung Street, Hung Hom, Hong Kong Telephone: (852) 2271 3113 Facsimile: (852) 2723 5660

Ref/Project number

Contract No. HY/2012/08 Tuen Mun-Chek Lap

Kok Link-Northern Connection Sub-sea Tunnel

Section

Facsimile: (852) 2723 5660 E-mail: jasmine.ng@erm.com

Subject Notification of Exceedance for Water Quality

Impact Monitoring

FRM

Date 17 October 2019

Dear Sir or Madam,

Please find the Notification of Exceedance (NOE) of the following Log no.: <u>Action Level Exceedance</u> 0212330_2 October 2019_Depth_averaged SS_F_Station SR7

A total of one Action Level exceedance was recorded on 2 October 2019.

Regards.

Dr Jasmine Ng

Environmental Team Leader

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CONTRACT NO. HY/2012/08 TUEN MUN - CHEK LAP KOK LINK NORTHERN CONNECTION SUB-SEA TUNNEL SECTION

Marine Water Quality Impact Monitoring Notification of Exceedance

Log No.		Action Level Exceedance									
	0212330_2 October 2019_ Depth_averaged SS_F_Station SR7										
		[Total No. of Exceedances = 1]									
Date		2 October 2019 (Measured)									
	4 Octob	er 2019 (In situ results received by ERM)									
	11 October	2019 (Laboratory results received by ERM)									
Monitoring	CS(Mf)5, SR4a, SR4(N2), 1	IS8(N), IS(Mf)16, IS(Mf)9, CS(Mf)3(N), SR7, IS17, IS(Mf)11									
Station											
Parameter(s)											
with		Suspended solids (mg/L)									
Exceedance(Suspended solids (Ing/ L)									
s)											
Action	SS	120% of upstream control station at the same tide of the same day and									
Levels		95%-ile of baseline data, i.e., 23.5 mg/L									
Limit Levels	SS	130% of upstream control station at the same tide of the same day and									
		10mg/L for WSD Seawater Intakes at Tuen Mun and 99%-ile of baseline									
		data, i.e., 34.4 mg/L									
Measured	Action Level Exceedance										
Levels	1. Mid-flood at SR7 (Depth-averaged S	S. ,									
Works		the Contractor, Seawall Modification Works was carried out on 2 October									
Undertaken	2019.										
(at the time											
of											
monitoring											
event)	The constitution of the first o	- Control in the office (illerity									
Possible Reason for	The exceedances are unlikely to be due to the	ě .									
Action or		at all monitoring stations were in compliance with the Action and Limit									
Limit Level	Levels during both mid-ebb and mid-	•									
Exceedance(wall Modification Works Area (Figure 1), thus the observed exceedance									
s)		works under this Contract. Therefore, the exceedance is unlikely to be									
-,	related to this Contract.	016 which is the closest station to the Consul Madification Madification Madification									
	·	(1)16 which is the closest station to the Seawall Modification Works Area									
		ide. Therefore, exceedance recorded at SR7 during mid-flood tide is									
Actions	unlikely to be caused by the marine w	ry. The ET will monitor for future trends in exceedances.									
Taken/To	Two militediate action is considered necessar	y. The L1 will infolition for future tierius in exceedances.									
Be Taken											
Remarks	The monitoring results on 2 October 2019 a	nd locations of water quality monitoring stations are attached.									
_1011111111	The monttoning results on 2 Setober 2017 a.	The focusion of mater quarty monitoring surrous are attached.									

Project	Contract	Date (yyyy- mm-dd)	Tide	Station	Start Time	Level	Lev_Cod	Replicate	Temperature (°C)	pН	Salinity (ppt)	DO (mg/L)	Average DO (mg/L)	Turbidity (NTU)	Depth- Averaged Turbidity	SS (mg/L)	Depth- Averaged SS
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)5	15:37	Surface	1	1	29.6	7.9	26.4	5.3		5.0		8.9	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)5	15:37	Surface	1	2	28.6	7.9	25.0	5.5	5.4	4.9		8.7	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)5	15:37	Middle	2	1	29.5	7.9	26.7	5.2	J.4	6.4	8.5	9.8	9.9
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)5	15:37	Middle	2	2	28.5	7.9	25.1	5.4		6.1	0.5	10.2	9.9
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)5	15:37	Bottom	3	1	29.3	7.9	26.6	5.1	5.2	14.4		11.0	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)5	15:37	Bottom	3	2	28.4	7.9	25.5	5.3	3.2	14.2		10.6	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)3(N)	14:58	Surface	1	1	29.7	7.9	26.6	5.6	4	4.9	-	8.4	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)3(N)	14:58	Surface	1	2	28.7	7.9	24.2	5.7	5.5	4.6	-	8.0	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)3(N)	14:58	Middle	2	1	29.4	7.9	26.5	5.3	4	9.8	9.3	10.9	10.5
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)3(N)	14:58	Middle	2	2	28.4	7.9	24.5	5.5		9.2		10.7	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)3(N)	14:58	Bottom	3	1	29.4	7.9	26.5	5.3	5.4	13.9	4	12.2	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	CS(Mf)3(N)	14:58	Bottom	3	2	28.4	7.9	24.7	5.5		13.2		12.5	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)16	14:14	Surface	1	2	29.7	7.9	26.4	5.7	-	5.3	1	11.6	
TMCLKL	HY/2012/08 HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)16	14:14	Surface	2	<u></u>	28.7	7.9	24.9	5.9	5.8	5.4	1	11.9	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2019/10/02 2019/10/02	Mid-Ebb Mid-Ebb	IS(Mf)16 IS(Mf)16	14:14 14:14	Middle Middle	2	1 2		+ +			1		5.6		12.0
TMCLKL	HY/2012/08 HY/2012/08	2019/10/02	Mid-Ebb	IS(MI)16 IS(Mf)16	14:14	Bottom	2		29.7	7.9	26.7	5.7		6.0		12.3	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)16	14:14	Bottom	3	2	28.7	7.9	25.0	5.7	5.8	5.7	1	12.5	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4a	14:14	Surface	1	1	29.6	7.9	26.6	5.8		4.5		8.0	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4a	14:04	Surface	1	7	28.9	7.9	24.7	6.0	1	4.5	1	7.7	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4a	14:04	Middle	2.	1	۷٠.)	1.7	∠¬.1	0.0	5.9	٦•٦	-	1.1	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4a	14:04	Middle	2	2.					1		5.2		8.5
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4a	14:04	Bottom	3	1	29.5	7.9	26.5	5.5		6.0	1	8.9	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4a	14:04	Bottom	3	2	28.5	7.9	24.9	5.6	5.6	5.8		9.4	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4(N2)	14:00	Surface	1	1	30.0	7.9	26.6	5.8		5.1		8.3	
			Mid-Ebb	SR4(N2)	14:00	Surface	1	2	29.0	7.9	24.7	6.0	7 0	5.0	1	8.0	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4(N2)	14:00	Middle	2	1					5.9				0.2
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4(N2)	14:00	Middle	2	2					1		5.4		8.3
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4(N2)	14:00	Bottom	3	1	30.0	7.9	26.5	5.9	6.0	5.4		8.4	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR4(N2)	14:00	Bottom	3	2	29.0	7.9	24.7	6.1	6.0	6.0		8.6	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS8(N)	13:54	Surface	1	1	29.9	7.9	26.3	5.8		5.6		11.2	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS8(N)	13:54	Surface	1	2	28.9	7.9	24.8	6.0	5.9	5.5		11.1	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS8(N)	13:54	Middle	2	1							6.1		11.2
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS8(N)	13:54	Middle	2	2							0.1		11.2
TMCLKL		2019/10/02	Mid-Ebb	IS8(N)	13:54	Bottom	3	1	29.8	7.9	26.7	5.8	5.9	6.2		11.3	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS8(N)	13:54	Bottom	3	2	28.8	7.9	24.9	6.0	3.7	6.9		11.1	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)9	13:48	Surface	1	1	29.8	7.9	26.5	5.6	4	7.4		10.8	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)9	13:48	Surface	1	2	28.8	7.9	25.1	5.7	5.7	7.3	-	10.9	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)9	13:48	Middle	2	1		\vdash		1	-		10.5		12.0
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)9	13:48	Middle	2	2	20.5	7.0	26.5	F 4		10 5		10.1	
TMCLKL	HY/2012/08 HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)9	13:48	Bottom	3	2	29.5 28.5	7.9	26.5 25.1	5.4 5.5	5.5	13.5 13.6	1	13.1	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2019/10/02 2019/10/02	Mid-Ebb Mid-Ebb	IS(Mf)9 IS(Mf)11	13:48 14:29	Bottom Surface	1	<u></u>	28.5	7.9	25.1	5.6		5.4		9.7	
TMCLKL	HY/2012/08 HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)11	14:29	Surface	1	2	29.8	7.9	24.4	5.7	1	5.1	-	10.1	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)11	14:29	Middle	2	1	29.6	7.9	26.4	5.4	5.6	6.2	1	11.7	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)11	14:29	Middle	2.	7	28.6	7.9	24.8	5.6	1	6.6	6.6	12.0	10.9
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)11	14:29	Bottom	3	1	29.5	7.9	26.6	5.4		8.1		10.6	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS(Mf)11	14:29	Bottom	3	2	28.5	7.9	24.9	5.6	5.5	8.1	1	11.0	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR7	15:21	Surface	1	1	29.7	7.9	26.4	5.6		6.4		9.0	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR7	15:21	Surface	1	2	28.7	7.9	24.3	5.7	1	6.4	1	8.7	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR7	15:21	Middle	2	1			-		5.7		7 .		0.7
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR7	15:21	Middle	2	2]		7.4		9.7
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR7	15:21	Bottom	3	1	29.5	7.9	26.7	5.6	<i></i>	8.7]	10.4	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	SR7	15:21	Bottom	3	2	28.5	7.9	24.6	5.7	5.7	8.0	<u> </u>	10.8	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS17	14:21	Surface	1	1	29.7	7.9	26.4	5.4		6.8		8.3	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS17	14:21	Surface	1	2	28.7	7.9	24.8	5.6	5.5	6.4		8.2	
			Mid-Ebb	IS17	14:21	Middle	2	1	29.5	7.9	26.6	5.3	<u> </u>	9.3	8.5	8.8	9.4
TN 601 171	HY/2012/08	2010/10/02	Mid-Ebb	IS17	14:21	Middle	2	2	28.5	7.9	25.0	5.5		10.0	0.5	9.4	7 . 4

Project	Contract	Date (yyyy- mm-dd)	Tide	Station	Start Time	Level	Lev_Cod	Replicate	Temperature (°C)	рH	Salinity (ppt)	DO (mg/L)	Average DO (mg/L)	Turbidity (NTU)	Depth- Averaged Turbidity	SS (mg/L)	Depth- Averaged SS
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS17	14:21	Bottom	3	1	29.5	7.9	26.6	5.4	5.5	9.5		10.8	
TMCLKL	HY/2012/08	2019/10/02	Mid-Ebb	IS17	14:21	Bottom	3	2	28.5	7.9	25.1	5.6	5.5	9.2		10.6	
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	CS(Mf)5	9:05	Surface	1	1	29.5	7.9	26.7	5.4		5.1		8.7	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	CS(Mf)5	9:05	Surface	1	2	28.5	7.9	24.8	5.5	5.4	5.1		8.7	-
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2019/10/02 2019/10/02	Mid-flood Mid-flood	CS(Mf)5 CS(Mf)5	9:05 9:05	Middle Middle	2	2	29.3 28.3	7.9 7.9	26.6 25.1	5.2 5.4		11.7 12.6	10.7	8.6 8.9	8.9
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	CS(Mf)5	9:05	Bottom	3	1	29.3	7.9	26.5	5.1		14.9		9.4	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	CS(Mf)5	9:05	Bottom	3	2	28.3	7.9	25.5	5.2	5.2	15.0		9.2	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	CS(Mf)3(N)	9:48	Surface	1	1	29.4	7.9	26.1	5.4		10.3		20.2	
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	CS(Mf)3(N)	9:48	Surface	1	2	28.4	7.9	24.3	5.6	5.5	10.2		20.5]
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	CS(Mf)3(N)	9:48	Middle	2	1	29.4	7.9	26.4	5.4	J.5	13.6	14.1	23.3	22.6
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	CS(Mf)3(N)	9:48	Middle	2	2	28.4	7.9	24.3	5.6		13.9		23.1	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2019/10/02	Mid-flood Mid-flood	CS(Mf)3(N) CS(Mf)3(N)	9:48 9:48	Bottom Bottom	3	2	29.4 28.4	7.9 7.9	26.7 24.3	5.5 5.7	5.6	18.3 18.2		24.3 24.2	-
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)16	10:31	Surface	1	1	29.4	7.9	26.5	5.5		13.3		21.0	
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)16	10:31	Surface	1	2	28.5	7.9	24.7	5.7		13.1	1	21.2	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)16	10:31	Middle	2	1					5.6		12.8		21.3
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)16	10:31	Middle	2	2							12.0		21.3
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)16	10:31	Bottom	3	1	29.4	7.9	26.6	5.5	5.6	12.4		21.5	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)16	10:31	Bottom	3	2	28.4	7.9	24.8	5.7		12.2		21.6	<u> </u>
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2019/10/02 2019/10/02	Mid-flood Mid-flood	SR4a SR4a	10:40 10:40	Surface Surface	1 1	2	29.3 28.3	7.9 7.9	26.4 24.9	5.4 5.6		5.8 5.9		9.3	-
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	SR4a	10:40	Middle	2	1	20.3	7.9	24.9	3.0	5.5	3.9		9.4	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	SR4a	10:40	Middle	2	2					1		5.8		10.1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	SR4a	10:40	Bottom	3	1	29.3	7.9	26.5	5.5	5.6	6.0		10.7]
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	SR4a	10:40	Bottom	3	2	28.3	7.9	25.0	5.7	3.0	5.3		11.0	
	1		Mid-flood		10:45	Surface	1	1	29.3	7.9	26.4	5.4		8.2		11.1	1
TMCLKL	HY/2012/08	2019/10/02		SR4(N2)	10:45	Surface	1	2	28.3	7.9	25.0	5.6	5.5	8.6		10.7	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2019/10/02 2019/10/02		SR4(N2) SR4(N2)	10:45 10:45	Middle Middle	2 2	2					-		10.1		15.1
TMCLKL	HY/2012/08	2019/10/02		SR4(N2)	10:45	Bottom	3	<u> </u>	29.3	7.9	26.6	5.4		11.7		19.4	1
TMCLKL	HY/2012/08	2019/10/02		SR4(N2)	10:45	Bottom	3	2	28.3	7.9	25.0	5.6	5.5	11.7		19.1	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS8(N)	10:51	Surface	1	1	29.5	7.9	26.5	5.6		5.6		8.4	
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS8(N)	10:51	Surface	1	2	28.5	7.9	24.7	5.7	5.7	5.4		8.1]
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS8(N)	10:51	Middle	2	1					3.7	6.0	6.0		8.6
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS8(N)	10:51	Middle	2	2	20.7	7.0	267	5.7		<i>C</i> 1	-	0.6	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2019/10/02	Mid-flood Mid-flood	IS8(N) IS8(N)	10:51 10:51	Bottom Bottom	3	2	29.5 28.5	7.9 7.9	26.7 24.8	5.7 5.8	5.8	6.4		8.6 9.1	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)9	10.51	Surface	1	1	29.4	7.9	26.5	5.4		8.2		11.9	
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)9	10:59	Surface	1	2	28.4	7.9	25.1	5.6		8.6		12.3	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)9	10:59	Middle	2	1					5.5		0.6		127
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)9	10:59	Middle	2	2							8.6		12.7
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)9	10:59	Bottom	3	1	29.3	7.9	26.2	5.5	5.6	8.8		13.4	
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)9	10:59	Bottom	3	2	28.3	7.9	25.1	5.7		8.9		13.0	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2019/10/02 2019/10/02	Mid-flood Mid-flood	IS(Mf)11 IS(Mf)11	10:17 10:17	Surface Surface	1	2	29.4 28.4	7.9 7.9	26.3 24.8	5.4 5.6		13.7 13.9		17.7 18.1	1
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)11	10:17	Middle	2	1	29.3	7.9	26.5	5.3	5.5	15.9	.	22.0	
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)11	10:17	Middle	2	2	28.3	7.9	24.8	5.5	1	15.7	15.2	21.6	18.6
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)11	10:17	Bottom	3	1	29.3	7.9	26.8	5.4	5.5	16.3		16.3]
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS(Mf)11	10:17	Bottom	3	2	28.3	7.9	24.9	5.5	ر.ر	16.4		16.0	
TMCLKL	HY/2012/08	2019/10/02		SR7	9:24	Surface	1	1	29.4	7.9	26.4	5.4		10.8		24.1	
TMCLKL	HY/2012/08	2019/10/02		SR7	9:24	Surface	1	2	28.4	7.9	24.7	5.5	5.5	10.8		24.4	
TMCLKL TMCLKL	HY/2012/08 HY/2012/08	2019/10/02 2019/10/02		SR7 SR7	9:24 9:24	Middle Middle	2 2	2							11.8		26.2
TMCLKL	HY/2012/08 HY/2012/08	2019/10/02		SR7	9:24	Bottom	3	<u> </u>	29.4	7.9	26.5	5.4		12.7	-	28.3	
TMCLKL	HY/2012/08	2019/10/02		SR7	9:24	Bottom	3	2	28.4	7.9	24.7	5.6	5.5	5 12.7		27.9	
TMCLKL	HY/2012/08	2019/10/02		IS17	10:24	Surface	1	1	29.5	7.9	26.8	5.4		7.6		10.5	
TMCLKL	HY/2012/08	2019/10/02	Mid-flood	IS17	10:24	Surface	1	2	28.5	8.0	24.9	5.5	5.4	7.3		10.8	
				IS17	10:24	Middle	2	1	29.3	7.9	26.6	5.3	J. '1	14.3	13.1	14.9	15.3
	HY/2012/08	2019/10/02		IS17	10:24	Middle	2	2	28.3	7.9	24.9	5.5		14.4		15.1	12.15
	HY/2012/08	2019/10/02		IS17	10:24	Bottom	3	1	29.3	7.9	26.3	5.4	5.6	17.7		19.8	
TWICLKL	HY/2012/08	2019/10/02	Mid-flood	IS17	10:24	Bottom	3	2	28.3	7.9	24.9	5.7		17.2		20.4	

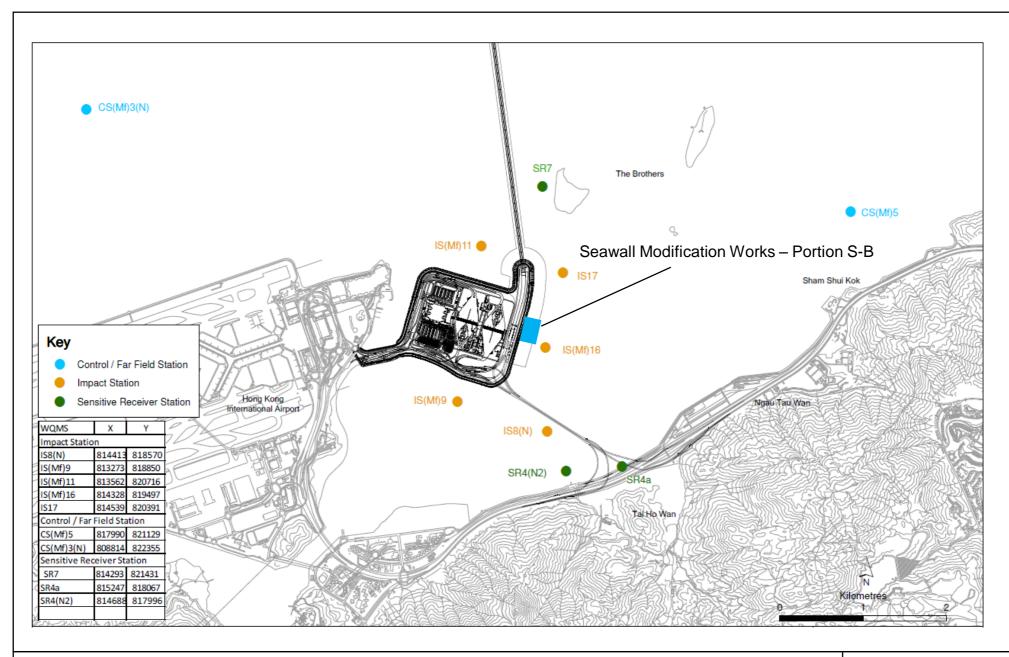


Figure 1





Email message **Environmental** Resources Management

To Ramboll Hong Kong Limited (ENPO) 2507,

From

Subject

ERM- Hong Kong, Limited

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Ref/Project number

Contract No. HY/2012/08 Tuen Mun-Chek Lap

Kok Link-Northern Connection Sub-sea Tunnel

Notification of Exceedance for Water Quality

Section



Impact Monitoring

Date 6 November 2019

Dear Sir or Madam,

Please find the Notification of Exceedance (NOE) of the following Log no.: **Action Level Exceedance**

0212330_28 October 2019 Depth_averaged SS_F_Station SR7

A total of one Action Level exceedance was recorded on 28 October 2019.

Dr Jasmine Ng

Environmental Team Leader

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CONTRACT NO. HY/2012/08 TUEN MUN - CHEK LAP KOK LINK NORTHERN CONNECTION SUB-SEA TUNNEL SECTION

Marine Water Quality Impact Monitoring Notification of Exceedance

Log No.		Action Level Exceedance										
	0212330_28 October 2019_ Depth_averaged SS_F_Station SR7											
	[Total No. of Exceedances = 1]											
Date		28 October 2019 (Measured)										
	29 October 2019 (In situ results received by ERM)											
	5 November 2	2019 (Laboratory results received by ERM)										
Monitoring	CS(Mf)5, SR4a, SR4(N2), IS	8(N), IS(Mf)16, IS(Mf)9, CS(Mf)3(N), SR7, IS17, IS(Mf)11										
Station												
Parameter(s)												
with		Suspended solids (mg/L)										
Exceedance(Suspended solids (Ing/ L)										
s)												
Action	SS	120% of upstream control station at the same tide of the same day and										
Levels		95%-ile of baseline data, i.e., 23.5 mg/L										
Limit Levels	SS	130% of upstream control station at the same tide of the same day and										
		10mg/L for WSD Seawater Intakes at Tuen Mun and 99%-ile of baseline										
		data, i.e., 34.4 mg/L										
Measured	Action Level Exceedance											
Levels	1. Mid-flood at SR7 (Depth-averaged SS	ū ,										
Works		e Contractor, Seawall Modification Works was carried out on 28 October										
Undertaken	2019.											
(at the time												
of												
monitoring												
event)												
Possible	The exceedances are unlikely to be due to the	ě .										
Reason for Action or	-	t all monitoring stations were in compliance with the Action and Limit										
Limit Level	Levels during both mid-ebb and mid-fl	•										
Exceedance(- 1	all Modification Works Area (Figure 1), thus the observed exceedance										
s)	•	orks under this Contract. Therefore, the exceedance is unlikely to be										
3)	related to this Contract.											
	·	16 which is the closest station to the Seawall Modification Works Area										
		le. Therefore, exceedance recorded at SR7 during mid-flood tide is										
Agtions	unlikely to be caused by the marine wo											
Actions	No immediate action is considered necessary	7. The ET will monitor for future trends in exceedances.										
Taken/To Be Taken												
Remarks	The monitoring regults on 20 October 2010	ad locations of water quality monitoring stations are attached										
Kemarks	The monitoring results on 28 October 2019 at	nd locations of water quality monitoring stations are attached.										

Project	Contract	Date (yyyy-mm-dd)	Tide	Station	Start Time	Level	Lev_Cod	Replicate	Temperature (°C)	рН	Salinity (ppt)	DO (mg/L)	Average DO (mg/L)	Turbidity (NTU)	Depth- Averaged Turbidity	SS (mg/L)	Depth- Averaged SS
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)5	13:26	Surface	1	1	27.6	8.2	30.1	5.6		12.1		25.4	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)5	13:26	Surface	1	2	27.6	8.2	29.9	5.6	5.6	12.2]	26.0 25.0]
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)5	13:26	Middle	2	1	27.6	8.2	30.1	5.6] 3.0	11.2	13.1		26.1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)5	13:26	Middle	2	2	27.6	8.2	29.9	5.6		11.2	13.1	25.6	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)5	13:26	Bottom	3	1	27.6	8.3	30.1	5.6	5.6	16.0		27.6	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)5	13:26	Bottom	3	2	27.6	8.3	29.9	5.6	3.0	16.1		27.1]
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)3(N)	12:40	Surface	1	1	27.5	8.2	29.5	5.8		9.6	11.9	15.0	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)3(N)	12:40	Surface	1	2	27.5	8.2	29.3	5.8	5.8	9.4		14.6	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)3(N)	12:40	Middle	2	1	27.5	8.3	29.7	5.9] 5.8	11.7		14.5	13.9
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)3(N)	12:40	Middle	2	2	27.5	8.3	29.5	5.8		11.6	11.9	14.1] 13.9
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)3(N)	12:40	Bottom	3	1	27.4	8.3	30.0	5.9	5.9	14.2]	12.8]
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	CS(Mf)3(N)	12:40	Bottom	3	2	27.4	8.3	29.9	5.9	3.9	14.6		12.4	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)16	11:45	Surface	1	1	27.6	8.2	29.7	5.7		12.8		13.3	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)16	11:45	Surface	1	2	27.6	8.2	29.6	5.7	5.7	12.8		13.7]
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)16	11:45	Middle	2	1] 3.7		15.4		15.6
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)16	11:45	Middle	2	2									15.6
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)16	11:45	Bottom	3	1	27.5	8.2	30.0	5.6	E 6	18.0		17.2]
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)16	11:45	Bottom	3	2	27.5	8.2	29.9	5.6	5.6	17.9]	18.0	<u>]</u>
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4a	11:34	Surface	1	1	27.6	8.3	29.7	5.7		5.4		5.9	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4a	11:34	Surface	1	2	27.6	8.3	29.6	5.7] [5.2	1	5.3	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4a	11:34	Middle	2	1					5.7		6.0		7 61
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4a	11:34	Middle	2	2					1 [6.0		6.1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4a	11:34	Bottom	3	1	27.5	8.3	29.7	5.9	5.0	6.8		6.8	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4a	11:34	Bottom	3	2	27.5	8.3	29.6	5.8	5.9	6.7	1	6.2	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4(N2)	11:28	Surface	1	1	27.4	8.3	29.7	5.6		8.1		9.0	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4(N2)	11:28	Surface	1	2	27.4	8.3	29.5	5.6	1 <u>.</u> [8.0	1	9.7]
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4(N2)	11:28	Middle	2	1					5.6		1		1 , 1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4(N2)	11:28	Middle	2	2					1 [8.3		9.5
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4(N2)	11:28	Bottom	3	1	27.4	8.3	29.7	5.8	г о	8.5		9.8]
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR4(N2)	11:28	Bottom	3	2	27.4	8.3	29.5	5.7	5.8	8.4	<u> </u>	9.4	<u>1</u> l
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS8(N)	11:21	Surface	1	1	27.5	8.4	29.5	5.8		8.6		9.1	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS8(N)	11:21	Surface	1	2	27.5	8.4	29.4	5.8	1	8.4	1	8.9	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS8(N)	11:21	Middle	2	1					5.8	5.1			1 , 1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS8(N)	11:21	Middle	2	2					1 [9.0		9.4
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS8(N)	11:21	Bottom	3	1	27.4	8.4	29.5	6.0	6.0	9.7		10.2	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS8(N)	11:21	Bottom	3	2	27.4	8.4	29.4	6.0	6.0	9.4	1	9.5 4.3	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)9	11:16	Surface	1	1	27.5	8.4	29.6	5.8		6.5			
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)9	11:16	Surface	1	2	27.5	8.4	29.5	5.8	1	6.4	1	4.2	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)9	11:16	Middle	2	1					5.8		1		1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)9	11:16	Middle	2	2					1 1		6.8		4.7
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)9	11:16	Bottom	3	1	27.5	8.4	29.7	5.9	[7.0	1	5.3	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)9	11:16	Bottom	3	2	27.5	8.4	29.6	5.9	5.9	7.1	1	4.9	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)11	12:03	Surface	1	1	27.8	8.2	29.6	5.9	† †	6.2		6.9	
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)11	12:03	Surface	1	2	27.8	8.2	29.5	5.9	1	6.2	1	7.2	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)11	12:03	Surface	2	1	27.5	8.2	29.8	5.6	5.8	9.1	1	10.3	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)11	12:03	Surface	2	2	27.5	8.2	29.7	5.6	1	8.9	9.4	9.7	10.4
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)11	12:03	Surface	3	1	27.6	8.2	30.3	5.6	 _	12.8	1	14.2	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	IS(Mf)11	12:03	Surface	3	2	27.6	8.2	30.2	5.6	5.6	12.9	1	14.3	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR7	13:07	Surface	1	1	27.6	8.3	29.3	5.9	† †	9.7		10.9	+
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR7	13:07	Surface	1	2	27.7	8.3	29.1	5.9	┥ け	9.4	1	11.3	1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR7	13:07	Surface	2	1			23.2	1 3.3	5.9	<u> </u>	1		1
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR7	13:07	Surface	2	2				1	 		10.2		10.8
TMCLKL	HY/2012/08	2019/10/28	Mid-Ebb	SR7	13:07	Surface	3	1	27.6	8.3	29.4	6.0	1 1	10.7	1	10.4	1
	, ,	,, 							27.6	8.3	29.3	6.0	- 6.0 		1		- I

TMCLKL	5.6 5.6 5.8 5.7 5.7 5.7 5.5 5.5 5.5 5.5 5.0 6.0	12.1 11.9 12.4 12.2 16.4 16.6 6.7 6.8 9.0 8.8 14.5 14.6	13.6	19.3 19.7 20.2 20.1 20.3 19.7 7.5 8.4	19.9
TMCLKL HY/2012/08 2019/10/28 Mid-Ebb IS17 11:53 Surface 2 1 27.5 8.2 30.1 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-Ebb IS17 11:53 Surface 2 2 27.5 8.2 29.9 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-Ebb IS17 11:53 Surface 3 1 27.5 8.2 30.2 5.3 TMCLKL HY/2012/08 2019/10/28 Mid-Flood CS(Mf)5 6:15 Surface 3 2 27.5 8.2 30.0 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Surface 1 27.5 8.0 29.7 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middele 2 1 27.5 8.0 29.6 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5	5.6 5.6 5.8 5.7 5.7 5.7 5.5 5.5 5.5 5.5 5.0 6.0	12.4 12.2 16.4 16.6 6.7 6.8 9.0 8.8 14.5		20.2 20.1 20.3 19.7 7.5	- - 19.9 -
TMCLKL HY/2012/08 2019/10/28 Mid-Ebb IS17 11:53 Surface 2 2 27.5 8.2 29.9 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-Ebb IS17 11:53 Surface 3 1 27.5 8.2 30.2 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-Flood CS(Mf)5 6:15 Surface 1 1 27.5 8.2 30.0 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-Flood CS(Mf)5 6:15 Surface 1 1 27.5 8.0 29.7 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middle 2 2 27.5 8.0 29.6 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middle 2 2 27.5 8.0 30.1 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood	5.6 5.8 5.7 5.7 5.5 5.5 5.5 5.5 5.5 6.0 6.0	12.2 16.4 16.6 6.7 6.8 9.0 8.8 14.5		20.1 20.3 19.7 7.5	- 19.9 - -
TIMCLKL HY/2012/08 2019/10/28 Mid-Ebb IS17 11:53 Surface 3 1 27.5 8.2 30.2 5.3 TMCLKL HY/2012/08 2019/10/28 Mid-Ebb IS17 11:53 Surface 3 2 27.5 8.2 30.0 5.3 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Surface 1 1 27.5 8.0 29.7 5.3 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Surface 1 2 27.5 8.0 29.6 5.3 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middle 2 1 2 27.5 8.0 29.9 5.3 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middle 2 2 27.5 8.0 29.9 5.3 TMCLKL HY/2012/08 2019/10/28 M	5.8 5.7 5.7 5.5 5.5 5.5 5.5 5.5 6.0 6.0	16.4 16.6 6.7 6.8 9.0 8.8 14.5	10.1	20.3 19.7 7.5	
TMCLKL HY/2012/08 2019/10/28 Mid-Ebb IS17 11:53 Surface 3 2 27.5 8.2 30.0 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Surface 1 1 27.5 8.0 29.7 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Surface 1 2 27.5 8.0 29.6 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middle 2 1 27.5 8.0 30.1 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middle 2 2 27.5 8.0 29.9 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Bottom 3 1 27.6 8.0 30.3 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood <	5.8 5.7 5.7 5.5 5.5 5.5 5.5 5.5 6.0 6.0	16.6 6.7 6.8 9.0 8.8 14.5	10.1	19.7 7.5	1
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)S 6:15 Surface 1 2 27.5 8.0 29.6 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)S 6:15 Middle 2 1 27.5 8.0 30.1 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)S 6:15 Middle 2 2 27.5 8.0 29.9 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)S 6:15 Bottom 3 1 27.6 8.0 30.4 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)S(N) 7:07 Surface 1 1 27.6 8.0 30.3 5. TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 1 27.3 8.1 29.0 6.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood <td>5.7 5.5 5.5 5.5 5.5 5.0 6.0</td> <td>6.8 9.0 8.8 14.5</td> <td>10.1</td> <td></td> <td>+</td>	5.7 5.5 5.5 5.5 5.5 5.0 6.0	6.8 9.0 8.8 14.5	10.1		+
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middle 2 1 27.5 8.0 30.1 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middle 2 2 27.5 8.0 29.9 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Bottom 3 1 27.6 8.0 30.4 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Bottom 3 2 27.6 8.0 30.3 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 1 27.3 8.1 29.0 6.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 2 27.3 8.1 28.8 6.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood	5.5 5.5 5.5 5.5 5.0 6.0	9.0 8.8 14.5	10.1	8.4	_
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Middle 2 2 27.5 8.0 29.9 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Bottom 3 1 27.6 8.0 30.4 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Bottom 3 2 27.6 8.0 30.3 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 1 27.3 8.1 29.0 6.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 2 27.3 8.1 28.8 6.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 2 27.3 8.1 28.8 6.1 TMCLKL HY/2012/08 2019/10/28 Mid-fl	5.5 5.5 5.5 5.0 6.0	8.8 14.5	10.1		<u> </u>
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Bottom 3 1 27.6 8.0 30.4 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Bottom 3 2 27.6 8.0 30.3 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 1 27.3 8.1 29.0 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 2 27.3 8.1 28.8 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 1 27.3 8.1 29.0 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 2 27.3 8.1 28.8 6.0 TMCLKL HY/2012/08 2019/10/28 Mid	5.5 5.5 5.0 6.0	14.5	1	11.4	10.0
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)5 6:15 Bottom 3 2 27.6 8.0 30.3 5.5 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 1 27.3 8.1 29.0 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 2 27.3 8.1 28.8 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 1 27.3 8.1 29.0 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 2 27.3 8.1 28.8 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 1 27.4 8.1 29.1 6.0 TMCLKL HY/2012/08 2019/10/28	5.5 5.0 6.0		1	11.0 10.6	-
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 1 27.3 8.1 29.0 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Surface 1 2 27.3 8.1 28.8 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 1 27.3 8.1 29.0 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 2 27.3 8.1 28.8 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 1 27.4 8.1 29.0 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 1 27.4 8.1 29.0 6.0	i.0 i.0	<u> </u>	1	10.9	1
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 1 27.3 8.1 29.0 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 2 27.3 8.1 28.8 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 1 27.4 8.1 29.1 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 2 27.4 8.1 29.0 6.0	6.0	12.6		17.7	
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Middle 2 2 27.3 8.1 28.8 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 1 27.4 8.1 29.1 6.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 2 27.4 8.1 29.0 6.0		12.8	1	17.8]
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 1 27.4 8.1 29.1 6.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 2 27.4 8.1 29.0 6.1	5.0	14.3	14.5	20.1	20.2
TMCLKL HY/2012/08 2019/10/28 Mid-flood CS(Mf)3(N) 7:07 Bottom 3 2 27.4 8.1 29.0 6.3		14.5	4	20.5 22.1 22.8	-
	h l	16.7 16.3	-		1
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)16 7:52 Surface 1 1 27.4 8.1 29.6 5.6	5.8	10.4		12.7	
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)16 7:52 Surface 1 2 27.4 8.1 29.5 5.8	. 8	10.3	1	11.3	1
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)16 7:52 Middle 2 1	5.8		11.5		13.0
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)16 7:52 Middle 2 2			11.3		
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)16 7:52 Bottom 3 1 27.4 8.1 29.6 6.0	<u> </u>	12.6	_	13.8	-
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)16 7:52 Bottom 3 2 27.4 8.1 29.5 6.0	5.0	12.6		14.3	
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4a 8:04 Surface 1 1 27.3 8.1 29.5 5.0 TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4a 8:04 Surface 1 2 27.3 8.1 29.4 5.0		6.0 5.9	-	7.4 8.0	-
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4a 8:04 Middle 2 1	5.6	3.9	-	0.0	1
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4a 8:04 Middle 2 2			7.0		9.8
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4a 8:04 Bottom 3 1 27.3 8.1 29.7 5.9	5.9	8.1		11.6]
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4a 8:04 Bottom 3 2 27.3 8.1 29.5 5.9	5.9	8.0		12.0	
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4(N2) 8:08 Surface 1 1 27.4 8.1 29.5 5.1		7.4	4	9.0	-
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4(N2) 8:08 Surface 1 2 27.3 8.1 29.3 5.1 TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4(N2) 8:08 Middle 2 1 1 2 27.3 8.1 29.3 5.1	5.5	7.0	4	9.4	1
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4(N2) 8:08 Middle 2 1 TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4(N2) 8:08 Middle 2 2			7.2		10.8
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4(N2) 8:08 Bottom 3 1 27.3 8.1 29.5 5.	5.7	7.1	1	12.0	
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR4(N2) 8:08 Bottom 3 2 27.3 8.1 29.4 5.0	\ \ \	7.3	1	12.6	
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS8(N) 8:15 Surface 1 1 27.4 8.1 29.6 5.	5.7	9.3		8.3	
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS8(N) 8:15 Surface 1 2 27.4 8.1 29.4 5.	5.7	9.2	4	9.4	9.4
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS8(N) 8:15 Middle 2 1			9.4		
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS8(N) 8:15 Middle 2 2 1 27.4 8.1 29.6 5.1	. 7	9.6	-	9.3	
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS8(N) 8:15 Bottom 3 2 27.4 8.1 29.5 5.	\ \ \ \	9.6	-	10.4	
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)9 8:23 Surface 1 1 27.4 8.1 29.7 5.		8.2		9.2	
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)9 8:23 Surface 1 2 27.4 8.1 29.6 5.		7.9		9.6]
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)9 8:23 Middle 2 1	3.7		9.1		10.8
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)9 8:23 Middle 2 2		10.0	J 3.1		_ 10.0
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)9 8:23 Bottom 3 1 27.4 8.1 29.8 5.5	- 59	10.2	_	12.0	- I
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)9 8:23 Bottom 3 2 27.4 8.1 29.6 5.9 TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)11 6:43 Surface 1 1 27.5 8.1 29.7 5.7		10.1 13.1		12.5 16.1	+
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(MI)11 6:43 Surface 1 1 27.5 8.1 29.7 5. Surface 1 2 27.5 8.1 29.6 5. Surface 1 2 27.5 8.1 29.6 5. Surface 1 2 27.5 8.1 29.6 5. Surface 1 2 27.5 Surface 27.5 Surf	. 7	13.1	-	16.7	1
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)11 6:43 Surface 2 1 27.5 8.1 29.7 5.1	<u> </u>	12.4	14.2	19.6	100
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)11 6:43 Surface 2 2 27.5 8.1 29.6 5.		12.3	14.2	19.1	19.6
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)11 6:43 Surface 3 1 27.5 8.1 29.7 5.	\ \ \	17.0		22.8	_
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS(Mf)11 6:43 Surface 3 2 27.5 8.1 29.6 5.	5.7	17.1		23.0	
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR7 6:34 Surface 1 1 27.4 8.0 29.5 5.5		14.1	_	24.8	-
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR7 6:34 Surface 1 2 27.4 8.0 29.3 5.9 TMCLKL HY/2012/08 2019/10/28 Mid-flood SR7 6:34 Surface 2 1 1 1 2 2 1 2 2 1 3 3 3 5 5 4 5 4 5 4 5 4	5.9	14.2	-	25.2	-
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR7 6:34 Surface 2 1 TMCLKL HY/2012/08 2019/10/28 Mid-flood SR7 6:34 Surface 2 2			15.9		25.4
TMCLKL HY/2012/08 2013/10/28 Mid-flood SR7 6:34 Surface 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5.1	17.8	-	25.5	-
TMCLKL HY/2012/08 2019/10/28 Mid-flood SR7 6:34 Surface 3 2 27.4 8.0 29.4 6.1		17.5	<u></u>	25.9	-
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS17 7:44 Surface 1 1 27.5 8.1 29.8 5.		14.4		20.0	
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS17 7:44 Surface 1 2 27.5 8.1 29.7 5.		14.8]	20.7	1
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS17 7:44 Surface 2 1 27.5 8.1 29.8 5.5	5.8	17.0	16.6	17.9	18.4
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS17 7:44 Surface 2 2 27.5 8.1 29.7 5.7 TMCLKL HY/2012/08 2019/10/28 Mid-flood IS17 7:44 Surface 3 1 27.5 8.1 29.8 6.0	i n	16.8 18.5	-	17.4 16.9	
TMCLKL HY/2012/08 2019/10/28 Mid-flood IS17 7:44 Surface 3 1 27.5 8.1 29.8 6.0 1 1 1 1 1 1 1 1 1	nu	18.5	1	17.3	- I

Note:

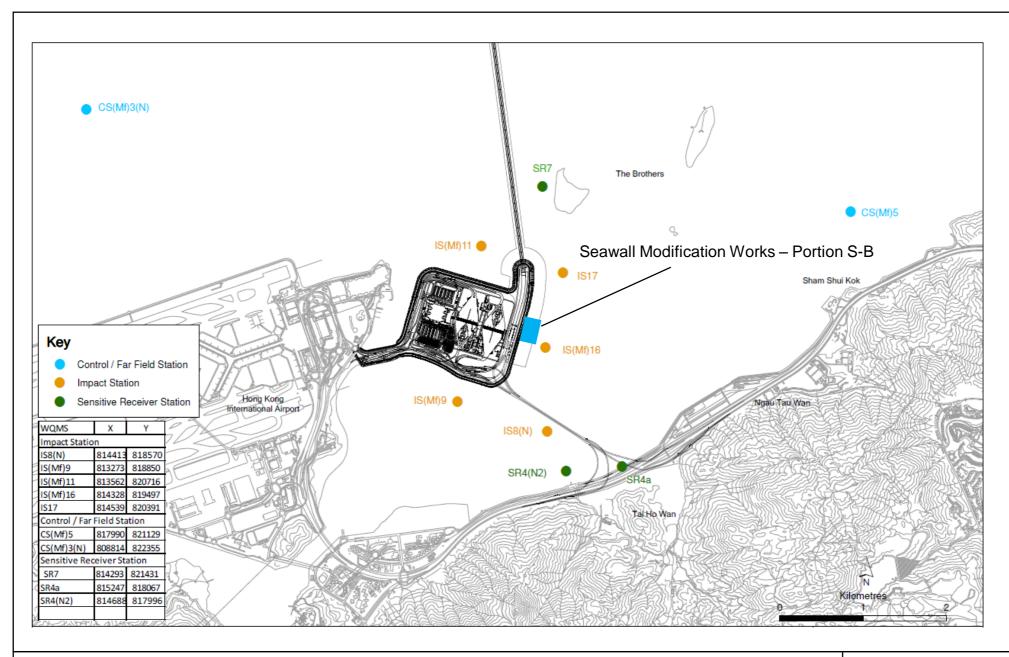


Figure 1



