

Table K1 *Cumulative Statistics on Exceedances*

Parameters	Level of Exceedance	Total No. recorded in this reporting month	Total No. recorded since project commencement
1-hr TSP	Action	2	64
	Limit	0	4
24-hr TSP	Action	0	7
	Limit	0	4
Water Quality	Action	0	20
	Limit	0	1
Impact Dolphin Monitoring	Action	0	9
	Limit	1	12

Table K2 *Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions*

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (February 2018)	0	0	0
Total No. received since project commencement	16	1	0



ERM-Hong Kong, Limited

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.	0212330_3February2018_1hrTSP_Station ASR1 0212330_3February2018_1hrTSP_Station ASR5 [Total No. of Exceedances = 2]	
Date	3 February 2018 (Measured) 13 February 2018 (Laboratory results received by ERM)	
Monitoring Station	ASR1, ASR5, ASR6, ASR10 and AQMS1	
Parameter(s) with Exceedance(s)	1-hr TSP	
Action Levels	24-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR1 = 213 ASR5 = 238 AQMS1 = 213 ASR6 = 238 ASR10 = 214
	1-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR1 = 331 ASR5 = 340 AQMS1 = 335 ASR6 = 338 ASR10 = 337
Limit Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	500
	24-hr TSP ($\mu\text{g}/\text{m}^3$)	260
Measured Levels	Action Level Exceedance for 1-hr TSP is observed at ASR1 (392 $\mu\text{g}/\text{m}^3$) during 0900 – 1000 hrs. Action Level Exceedance for 1-hr TSP is observed at ASR5 (455 $\mu\text{g}/\text{m}^3$) during 0849 – 0949 hrs.	
Works Undertaken (at the time of monitoring event)	On 3 February 2018, box culvert extension was carried out at Works Area Portion N-A and Construction of Ventilation Building at Portion N-C.	
Possible Reason for Action or Limit Level Exceedance(s)	<p>The exceedance is unlikely to be due to the Project, in view of the following:</p> <ul style="list-style-type: none"> According to the construction information provided by the Contractor, the majority of ground construction works on 3 February 2018 were box culvert extension at Works Area Portion N-A and Construction of Ventilation Building at Portions N-C. During the period of the land-based construction works, the Contractor has implemented the required mitigation measures as per the EP, approved EIA and Updated EM&A Manual (e.g. water spraying on exposed soil within the Project site and associated works areas; exposed soil covered by tarpaulin sheets). The exceedances are unlikely to be due to the project as dust suppression measures were implemented properly on site. Water spraying was applied. Exposed soil at Portion N-A was also covered by tarpaulin sheets. <p>Based on the above, the exceedances are unlikely to be due to the project.</p>	

Actions Taken/ To Be Taken	<p>Follow up site inspection was carried out on 14 February 2018. Box culvert extension was carried out at Works Area Portion N-A and Construction of Ventilation Building was carried out at Portion N-C. Exposed soil at Portion N-A was covered by tarpaulin sheets and water spraying was also applied to prevent dust. Photo record is provided in Annex A. Photos taken during AQM were also provided. No significant dust impact was observed at ASR1 and ASR5. Dust suppression measures were properly implemented during the site inspections. Based on the above, no additional action is required.</p> <p>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. The Contractor was also reminded to ensure all dust mitigating measures are provided at Portion N-A and Portion N-C, where the construction works are carried out.</p>
Remarks	<p>The monitoring results and the locations of air quality monitoring stations are attached.</p>

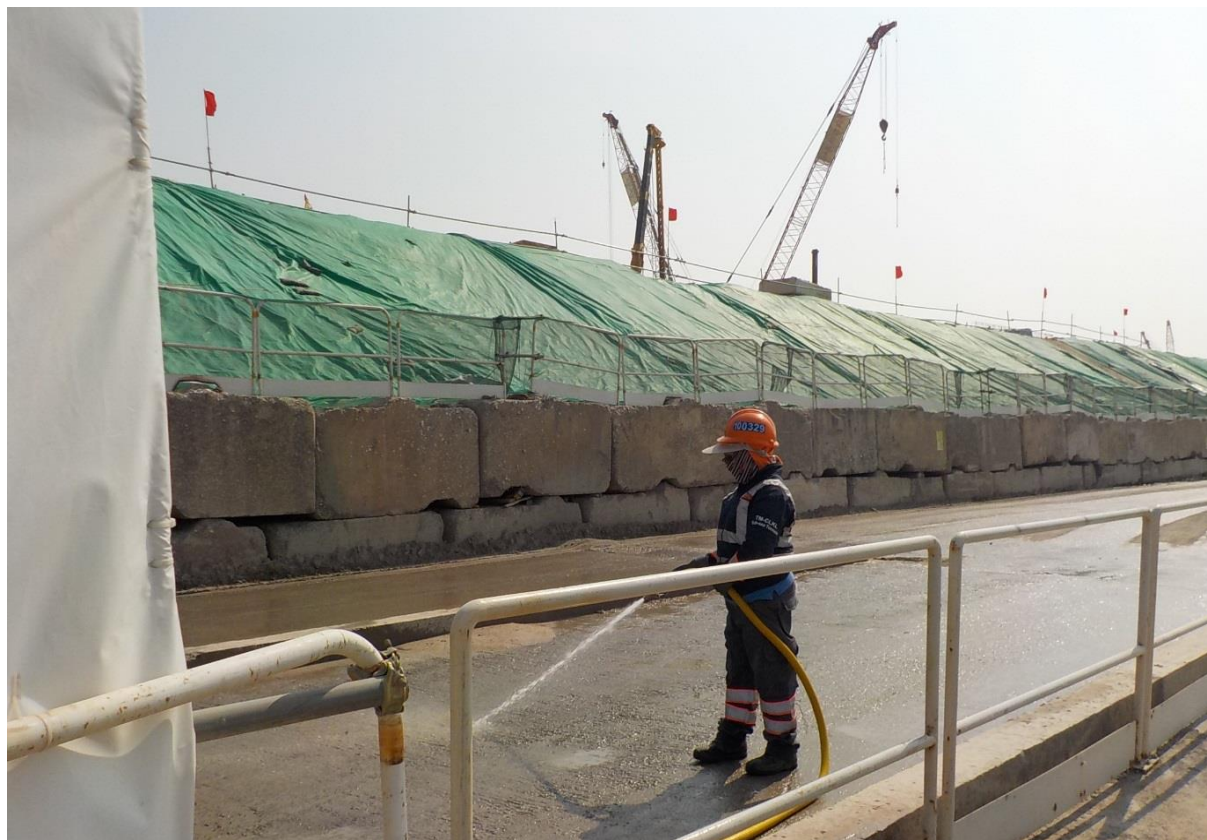


Annex A Photos taken during site inspection

*Note: Photos taken on 14/2/2018



Water spraying was applied frequently on site.
(Works Area Portion N-A)



Exposed soil at Portion N-A was covered by tarpaulin sheets. (Works Area Portion N-A)



Annex A Photos taken during AQM on 3/2/2018

*Note: Photos taken on 3/2/2018



ASR1



ASR5

TMCLKL	HY/2012/08	3/2/2018	AQMS1	Sunny	9:12	1-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	3/2/2018	AQMS1	Sunny	10:14	1-hour TSP	127	ug/m3
TMCLKL	HY/2012/08	3/2/2018	AQMS1	Sunny	11:16	1-hour TSP	118	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR1	Sunny	9:00	1-hour TSP	392	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR1	Sunny	10:02	1-hour TSP	138	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR1	Sunny	11:04	1-hour TSP	163	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR10	Sunny	8:27	1-hour TSP	120	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR10	Sunny	9:29	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR10	Sunny	10:31	1-hour TSP	333	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR5	Sunny	8:49	1-hour TSP	455	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR5	Sunny	9:51	1-hour TSP	285	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR5	Sunny	10:53	1-hour TSP	211	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR6	Sunny	8:38	1-hour TSP	272	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR6	Sunny	9:40	1-hour TSP	192	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR6	Sunny	10:42	1-hour TSP	205	ug/m3
TMCLKL	HY/2012/08	3/2/2018	AQMS1	Sunny	12:18	24-hour TSP	115	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR1	Sunny	12:06	24-hour TSP	192	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR10	Sunny	11:33	24-hour TSP	105	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR5	Sunny	11:55	24-hour TSP	179	ug/m3
TMCLKL	HY/2012/08	3/2/2018	ASR6	Sunny	11:44	24-hour TSP	123	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)
18/02/03	0:00	1.3	272
18/02/03	1:00	1.8	351
18/02/03	2:00	2.2	353
18/02/03	3:00	1.8	349
18/02/03	4:00	3.1	355
18/02/03	5:00	2.2	12
18/02/03	6:00	2.7	16
18/02/03	7:00	3.1	13
18/02/03	8:00	2.2	11
18/02/03	9:00	3.1	49
18/02/03	10:00	2.2	45
18/02/03	11:00	2.7	20
18/02/03	12:00	2.2	14
18/02/03	13:00	1.3	13
18/02/03	14:00	0.9	285
18/02/03	15:00	0.9	311
18/02/03	16:00	1.3	46
18/02/03	17:00	1.3	47
18/02/03	18:00	1.3	64
18/02/03	19:00	0.9	62
18/02/03	20:00	0.9	63
18/02/03	21:00	0.9	66
18/02/03	22:00	1.3	42
18/02/03	23:00	2.2	40
18/02/04	0:00	2.7	50
18/02/04	1:00	3.1	51
18/02/04	2:00	3.1	48
18/02/04	3:00	3.1	10
18/02/04	4:00	3.1	51
18/02/04	5:00	3.1	16
18/02/04	6:00	3.1	55
18/02/04	7:00	3.1	39
18/02/04	8:00	3.6	40
18/02/04	9:00	3.1	42
18/02/04	10:00	2.7	50
18/02/04	11:00	1.8	43
18/02/04	12:00	1.8	38
18/02/04	13:00	1.8	344
18/02/04	14:00	1.3	357
18/02/04	15:00	1.3	344
18/02/04	16:00	1.3	328
18/02/04	17:00	1.3	305
18/02/04	18:00	1.8	351
18/02/04	19:00	1.8	352
18/02/04	20:00	1.3	7
18/02/04	21:00	1.3	348
18/02/04	22:00	2.2	2
18/02/04	23:00	1.3	260
18/02/06	0:00	2.2	20
18/02/06	1:00	3.1	13
18/02/06	2:00	3.6	4
18/02/06	3:00	3.1	19
18/02/06	4:00	3.1	42
18/02/06	5:00	3.1	55
18/02/06	6:00	2.7	10
18/02/06	7:00	3.1	49
18/02/06	8:00	3.1	51

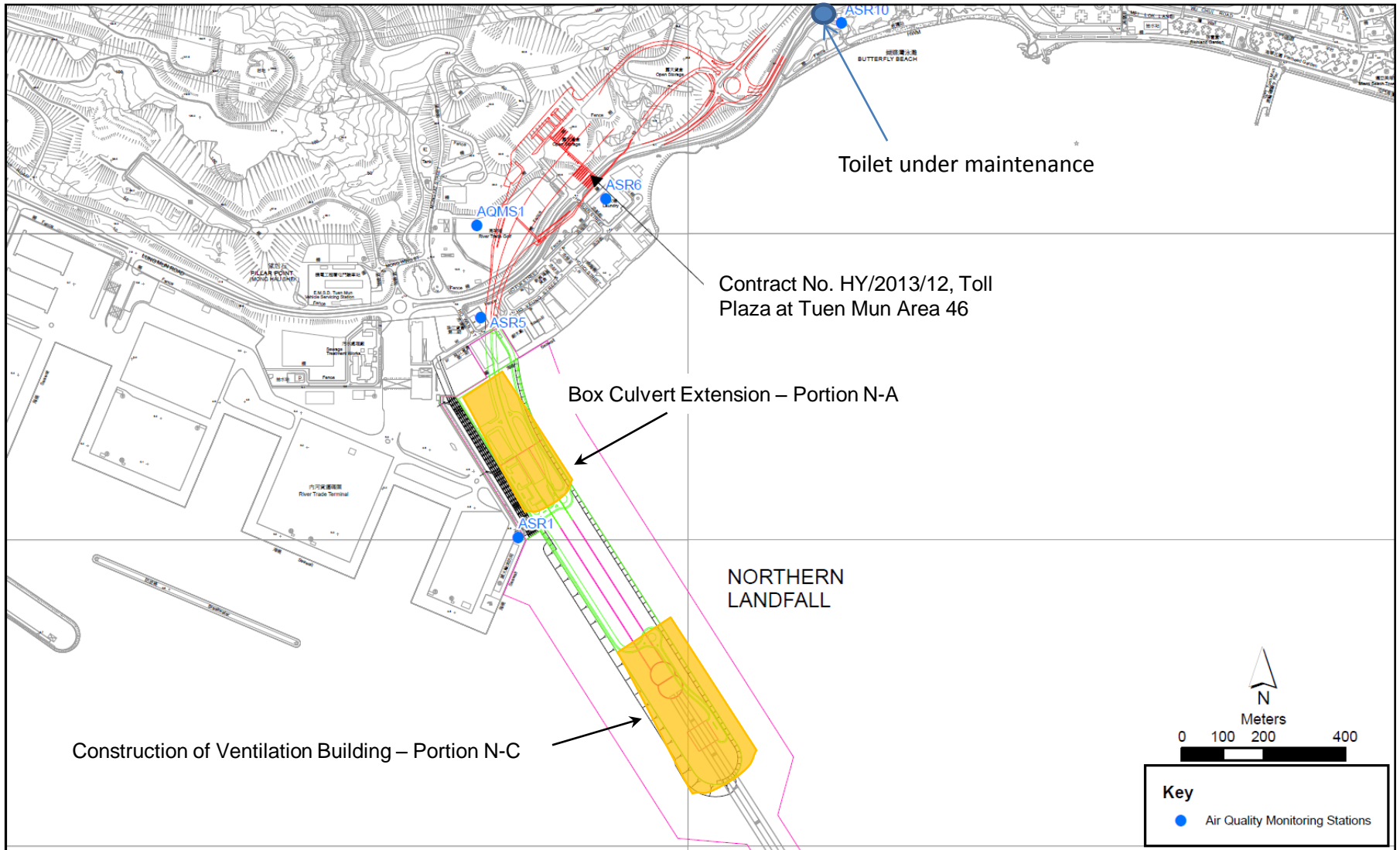


Figure 1

Indicative Construction Works Area on 3 February 2018

Site Location 地盤位置:		<u>Northern Landfall</u>						
Date 日期:		<u>29 Jan 2018</u> to 至 <u>04 Feb 2018</u>						
	Time 時間	Monday 星期一	Tuesday 星期二	Wednesday 星期三	Thursday 星期四	Friday 星期五	Saturday 星期六	Sunday 星期日
1	8:00 - 8:45	✓	✓	✓	✓	✓	✓	✓
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								

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 (✓) 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(✓)。
是下雨天, 請於方格內加上圓圈(O)。

Remarks:

- 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.
- Spraying position includes the main haul road, open area, slopes, stockpiles and any other dusty materials.
- If it is raining, no water spraying is needed.
- The no of spraying will be increased due to site condition.

備註:

- 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。
- 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。
- 當下雨時, 地盤將不需要灑水。
- 如果地盤情況更改或有需要時, 灑水次數會相應增加。