

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	1	112
	Limit	1	14
24-hr TSP	Action	0	10
	Limit	0	4
Water Quality	Action	0	167
	Limit	0	19
Impact Dolphin Monitoring	Action	0	11
	Limit	0	19

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

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (September 2020)	0	0	0
Total No. received since Contract commencement	17	1	0

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To Ramboll Hong Kong, Limited (ENPO)

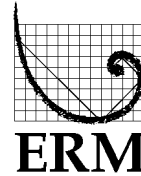
From ERM- Hong Kong, Limited

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 5 October 2020

2507, 25/F One Harbourfront
18 Tak Fung Street
Hung Hom, Kowloon
Hong Kong
Telephone: (852) 2271 3000
Facsimile: (852) 2723 5660



Dear Sir or Madam,

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

0212330_11September2020_1hrTSP_Station ASR6
0212330_11September2020_1hrTSP_Station ASR6

One Action Level and one Limit Level Exceedances were recorded on 11
September 2020.

Regards,

Dr Jasmine Ng
Environmental Team Leader

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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.	<p align="center"><u>Action Level Exceedance</u> 0212330_11September2020_1hrTSP_Station ASR6</p> <p align="center"><u>Limit Level Exceedance</u> 0212330_11September2020_1hrTSP_Station ASR6</p> <p align="center">[Total No. of Exceedances = 2]</p>	
Date	<p align="center">11 September 2020 (Measured) 24 September 2020 (Laboratory results received by ERM)</p>	
Monitoring Station	ASR6	
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 ASR6 ($499 \mu\text{g}/\text{m}^3$) during 0928 – 1028. Limit Level Exceedance for 1-hr TSP is observed at ASR6 ($1454 \mu\text{g}/\text{m}^3$) during 1030 – 1130.	
Works Undertaken (at the time of monitoring event)	On 11 September 2020, no construction works were carried out at the project area.	
Possible Reason for Action or Limit Level Exceedance(s)	<p>The exceedances are unlikely to be due to this Contract, in view of the following:</p> <ul style="list-style-type: none"> With reference to the recorded wind direction (ranged between 222° and 264°), blowing from a south-westerly/westerly direction) and wind speed (ranged between 0.9 and 1.3 m/s), no construction works were carried out at the project area on 11 September 2020. 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 Contract site and associated works areas (refer to <i>Annex A</i>). Based on the observation of sampling team, renovation works was observed nearby ASR6 (refer to <i>Annex B</i>). The Contractor confirmed that the works were not under Contract No. HY/2012/08. <p>Based on the above, the exceedances are unlikely to be due to this Contract.</p>	

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 Contract site throughout the construction period.
Remarks	The monitoring results, wind data and the locations of air quality monitoring stations are attached (<i>Annex C</i>).

Annex A

Watering Record

Site Location 地盤位置: Northern Landfall
Date 日期: 7 Sep 2020 to 至 13 Sep 2020

	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	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 (✓) 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。

Annex B

Observation from Sampling Team



Photo 1 & 2 – Renovation works were undertaken by other contract nearby ASR6

Annex C

Results of Air Quality Monitoring, Wind Data & Locations of Air Quality Monitoring Stations

Air quality monitoring results on 11/9/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-09-11	ASR10	Sunny	8:14:00	1-hour TSP	28	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR10	Sunny	9:16:00	1-hour TSP	19	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR10	Sunny	10:18:00	1-hour TSP	23	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR6	Sunny	8:26:00	1-hour TSP	143	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR6	Sunny	9:28:00	1-hour TSP	499	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR6	Sunny	10:30:00	1-hour TSP	1454	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR5	Sunny	8:37:00	1-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR5	Sunny	9:39:00	1-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR5	Sunny	10:41:00	1-hour TSP	74	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR1	Sunny	8:49:00	1-hour TSP	37	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR1	Sunny	9:51:00	1-hour TSP	74	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR1	Sunny	10:53:00	1-hour TSP	57	ug/m3
TMCLKL	HY/2012/08	2020-09-11	AQMS1	Sunny	9:00:00	1-hour TSP	50	ug/m3
TMCLKL	HY/2012/08	2020-09-11	AQMS1	Sunny	10:02:00	1-hour TSP	48	ug/m3
TMCLKL	HY/2012/08	2020-09-11	AQMS1	Sunny	11:04:00	1-hour TSP	41	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR10	Sunny	11:20:00	24-hour TSP	21	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR6	Sunny	11:32:00	24-hour TSP	70	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR5	Sunny	11:43:00	24-hour TSP	49	ug/m3
TMCLKL	HY/2012/08	2020-09-11	ASR1	Sunny	11:55:00	24-hour TSP	43	ug/m3
TMCLKL	HY/2012/08	2020-09-11	AQMS1	Sunny	12:06:00	24-hour TSP	39	ug/m3

Action level exceedance

Limit level exceedance

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)
20/09/11	0:00	0.4	109
20/09/11	1:00	0	102
20/09/11	2:00	0.4	205
20/09/11	3:00	0	64
20/09/11	4:00	0	73
20/09/11	5:00	0.4	15
20/09/11	6:00	0.4	334
20/09/11	7:00	0.4	335
20/09/11	8:00	0.9	98
20/09/11	9:00	0.9	233
20/09/11	10:00	0.9	264
20/09/11	11:00	1.3	222
20/09/11	12:00	2.2	138
20/09/11	13:00	1.3	100
20/09/11	14:00	1.8	249
20/09/11	15:00	1.8	141
20/09/11	16:00	1.8	84
20/09/11	17:00	1.3	84
20/09/11	18:00	1.3	100
20/09/11	19:00	1.3	86
20/09/11	20:00	0.9	96
20/09/11	21:00	0.4	78
20/09/11	22:00	0.4	34
20/09/11	23:00	0.4	83

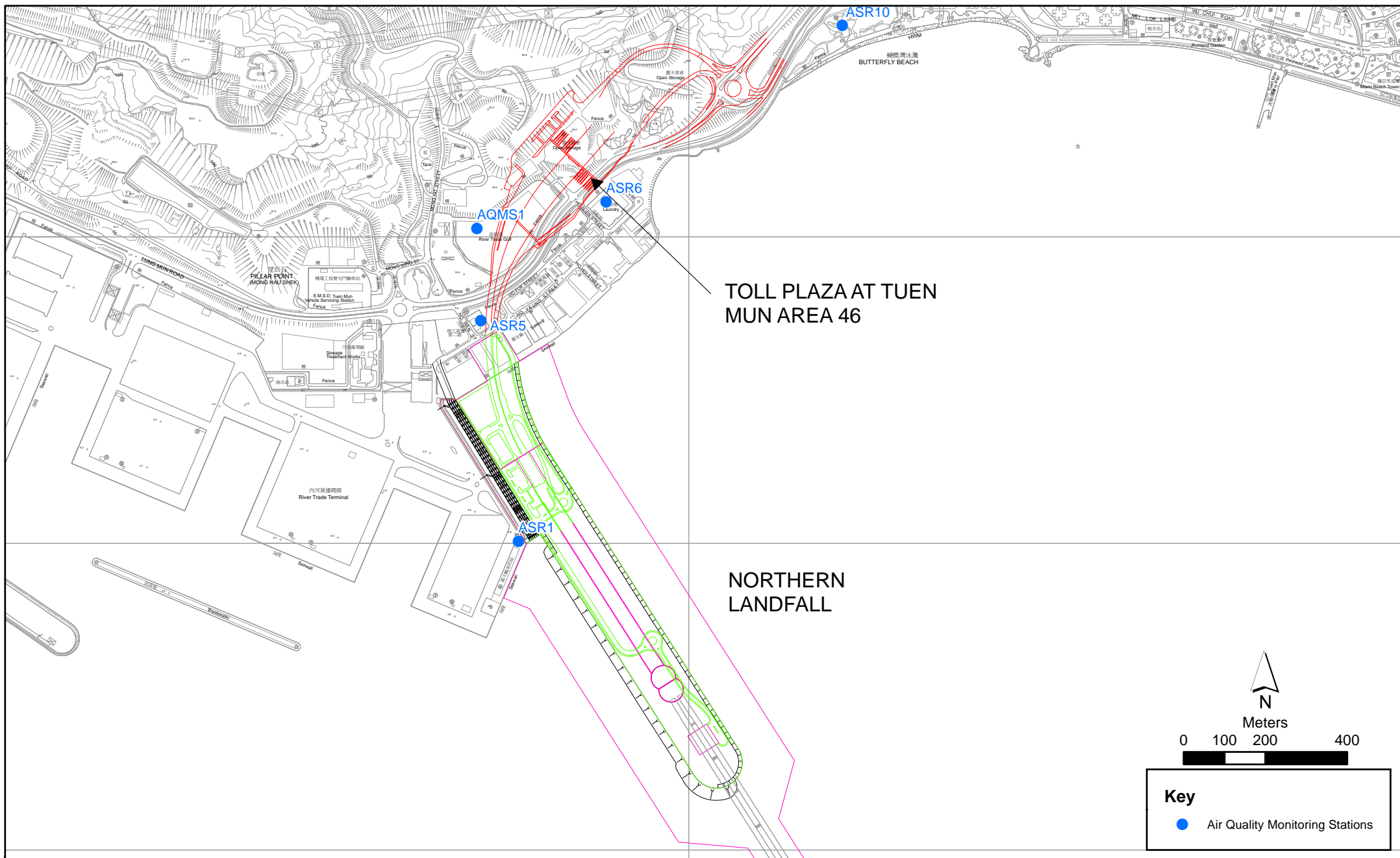


Figure 2.1

Air Quality Monitoring Stations for the Enhanced TSP Monitoring

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Date: 21/2/2014

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