

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	119
	Limit	1	15
24-hr TSP	Action	2	12
	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 (November 2020)	0	0	0
Total No. received since Contract commencement	17	1	0

Email
message

**Environmental
Resources
Management**

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 27 November 2020

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



ERM

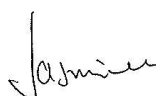
Dear Sir or Madam,

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

Action Level Exceedance:
0212330_2November2020_24hrTSP_Station ASR1

One Action Level Exceedance was recorded on 2 November 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.	<u>Action Level Exceedance</u> 0212330_2November2020_24hrTSP_Station ASR1 [Total No. of Exceedances = 1]	
Date	2 November 2020 (Measured) 27 November 2020 (Laboratory results received by ERM)	
Monitoring Station	ASR1	
Parameter(s) with Exceedance(s)	24-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 24-hr TSP is observed at ASR1 ($244 \mu\text{g}/\text{m}^3$) between sampling period 11:43 on 2 November 2020 and 11:43 on 3 November 2020.	
Works Undertaken (at the time of monitoring event)	On 2 November 2020, no construction works were carried out at the project area.	
Possible Reason for Action or Limit Level Exceedance(s)	<p>The exceedance is unlikely to be due to this Contract, in view of the following:</p> <ul style="list-style-type: none"> No construction works were carried out near to the monitoring station ASR1. With reference to the recorded wind direction (vary between 2° and 358° and) and wind speed (ranged between 1.3 and 4.0 m/s), the wind was mainly from north-easterly and north-westerly direction. Haze was observed during the sampling time. 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>). <p>Based on the above, the exceedance is 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 B</i>).
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Annex A

Watering Record

Site Location 地盤位置: Northern Landfall
Date 日期: 2 Nov 2020 to 至 8 Nov 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	✓	✓	✓	✓	✓	✓	✓

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

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

Air quality monitoring results on 2/11/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-11-02	ASR10	Hazy	8:02:00	1-hour TSP	85	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR10	Hazy	9:04:00	1-hour TSP	102	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR10	Hazy	10:06:00	1-hour TSP	123	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR6	Hazy	8:13:00	1-hour TSP	184	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR6	Hazy	9:15:00	1-hour TSP	174	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR6	Hazy	10:17:00	1-hour TSP	152	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR5	Hazy	8:24:00	1-hour TSP	283	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR5	Hazy	9:26:00	1-hour TSP	262	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR5	Hazy	10:28:00	1-hour TSP	214	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR1	Hazy	8:37:00	1-hour TSP	249	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR1	Hazy	9:39:00	1-hour TSP	196	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR1	Hazy	10:41:00	1-hour TSP	222	ug/m3
TMCLKL	HY/2012/08	2020-11-02	AQMS1	Hazy	8:48:00	1-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	2020-11-02	AQMS1	Hazy	9:50:00	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2020-11-02	AQMS1	Hazy	10:52:00	1-hour TSP	140	ug/m3
TMCLKL	HY/2012/08	2020-11-02	AQMS1	Hazy	11:54:00	24-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR1	Hazy	11:43:00	24-hour TSP	244	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR10	Hazy	11:08:00	24-hour TSP	108	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR5	Hazy	11:30:00	24-hour TSP	154	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR6	Hazy	11:19:00	24-hour TSP	121	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)
20/11/02	0:00	0.4	19
20/11/02	1:00	0.4	336
20/11/02	2:00	0.4	11
20/11/02	3:00	0.9	349
20/11/02	4:00	0.4	322
20/11/02	5:00	0.4	66
20/11/02	6:00	0.4	34
20/11/02	7:00	0.9	57
20/11/02	8:00	1.8	11
20/11/02	9:00	2.2	25
20/11/02	10:00	2.2	17
20/11/02	11:00	2.2	34
20/11/02	12:00	2.2	30
20/11/02	13:00	2.2	11
20/11/02	14:00	1.8	11
20/11/02	15:00	2.7	324
20/11/02	16:00	2.7	310
20/11/02	17:00	2.2	327
20/11/02	18:00	2.2	343
20/11/02	19:00	2.7	342
20/11/02	20:00	4.5	344
20/11/02	21:00	4.5	328
20/11/02	22:00	4	333
20/11/02	23:00	2.7	337
20/11/03	0:00	1.8	19
20/11/03	1:00	1.3	2
20/11/03	2:00	2.2	332
20/11/03	3:00	2.2	346
20/11/03	4:00	1.8	346
20/11/03	5:00	1.8	339
20/11/03	6:00	2.7	326
20/11/03	7:00	2.2	358
20/11/03	8:00	2.2	27
20/11/03	9:00	2.7	24
20/11/03	10:00	2.7	34
20/11/03	11:00	2.2	22
20/11/03	12:00	1.8	357
20/11/03	13:00	1.8	16
20/11/03	14:00	1.8	1
20/11/03	15:00	1.3	22
20/11/03	16:00	0.9	332
20/11/03	17:00	0.4	89
20/11/03	18:00	1.8	2
20/11/03	19:00	1.3	34
20/11/03	20:00	1.3	33
20/11/03	21:00	1.3	76
20/11/03	22:00	0.9	20
20/11/03	23:00	1.3	12

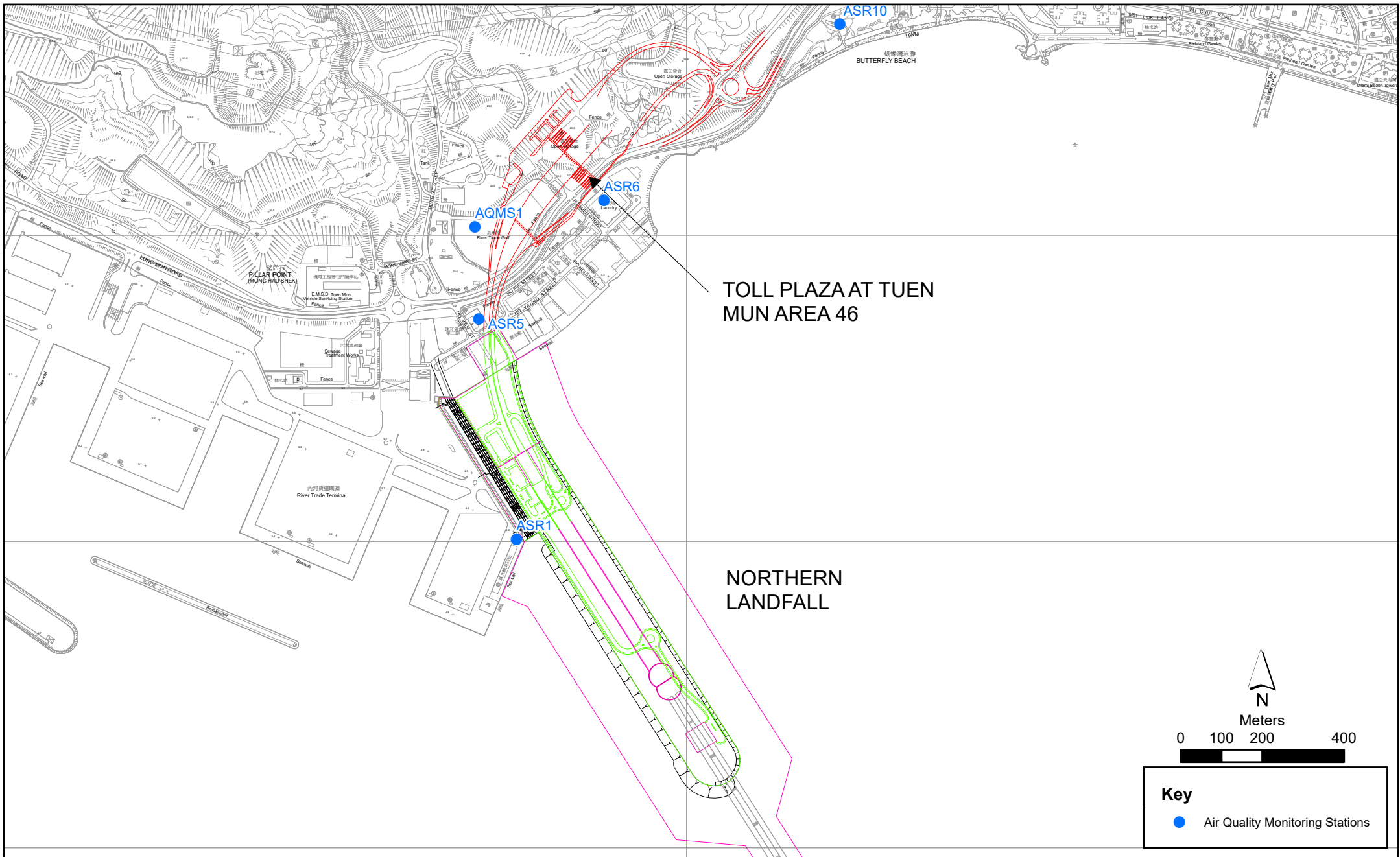


Figure 2.1b

Air Quality Monitoring Stations for the Enhanced TSP Monitoring