

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	4	116
	Limit	0	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 (October 2020)	0	0	0
Total No. received since Contract commencement	17	1	0

Email
message

**Environmental
Resources
Management**

To Ramboll Hong Kong, Limited (ENPO)

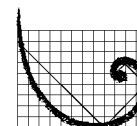
From ERM- Hong Kong, Limited

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 22 October 2020

2507, 25/F One Harbourfront
18 Tak Fung Street
Hung Hom, 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.:

0212330_9October2020_1hrTSP_Station ASR5

One Action Level Exceedance was recorded on 9 October 2020.

Regards,

A handwritten signature in black ink that reads "Jasmine". The signature is written in a cursive, flowing style.

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_9October2020_1hrTSP_Station ASR5	
	[Total No. of Exceedances = 1]	
Date	9 October 2020 (Measured) 22 October 2020 (Laboratory results received by ERM)	
Monitoring Station	ASR5	
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 ASR5 ($373 \mu\text{g}/\text{m}^3$) during 0832 – 0932.	
Works Undertaken (at the time of monitoring event)	On 9 October 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"> • With reference to the recorded wind direction (ranged between 3° and 34°), blowing from northerly direction) and wind speed (1.8 m/s), Station ASR5 is located upstream to the project site, which is unlikely impacted by the Project. • No construction works was carried out on 9 October 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>). <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



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

Weekly Water Spraying Record
每週灑水檢查記錄

Site Location 地盤位置: Northern Landfall
Date 日期: 5 Oct 2020 to 11 Oct 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

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

Air quality monitoring results on 9/10/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-10-09	ASR10	Sunny	8:10:00	1-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR10	Sunny	9:12:00	1-hour TSP	64	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR10	Sunny	10:14:00	1-hour TSP	85	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR6	Sunny	8:20:00	1-hour TSP	178	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR6	Sunny	9:22:00	1-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR6	Sunny	10:24:00	1-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR5	Sunny	8:32:00	1-hour TSP	373	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR5	Sunny	9:34:00	1-hour TSP	178	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR5	Sunny	10:36:00	1-hour TSP	167	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR1	Sunny	8:44:00	1-hour TSP	181	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR1	Sunny	9:46:00	1-hour TSP	145	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR1	Sunny	10:48:00	1-hour TSP	114	ug/m3
TMCLKL	HY/2012/08	2020-10-09	AQMS1	Sunny	8:55:00	1-hour TSP	80	ug/m3
TMCLKL	HY/2012/08	2020-10-09	AQMS1	Sunny	9:57:00	1-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2020-10-09	AQMS1	Sunny	10:59:00	1-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR10	Sunny	11:16:00	24-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR6	Sunny	11:26:00	24-hour TSP	105	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR5	Sunny	11:38:00	24-hour TSP	125	ug/m3
TMCLKL	HY/2012/08	2020-10-09	ASR1	Sunny	11:50:00	24-hour TSP	153	ug/m3
TMCLKL	HY/2012/08	2020-10-09	AQMS1	Sunny	12:01:00	24-hour TSP	82	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)
20/10/09	0:00	2.2	29
20/10/09	1:00	2.2	30
20/10/09	2:00	2.2	28
20/10/09	3:00	2.2	20
20/10/09	4:00	2.2	16
20/10/09	5:00	2.7	27
20/10/09	6:00	1.8	15
20/10/09	7:00	0.9	347
20/10/09	8:00	1.8	3
20/10/09	9:00	1.8	34
20/10/09	10:00	1.8	11
20/10/09	11:00	1.8	34
20/10/09	12:00	1.8	31
20/10/09	13:00	1.8	23
20/10/09	14:00	1.3	266
20/10/09	15:00	1.3	332
20/10/09	16:00	1.3	338
20/10/09	17:00	1.8	25
20/10/09	18:00	2.2	332
20/10/09	19:00	1.8	312
20/10/09	20:00	2.7	318
20/10/09	21:00	2.7	331
20/10/09	22:00	1.8	345
20/10/09	23:00	0.9	335

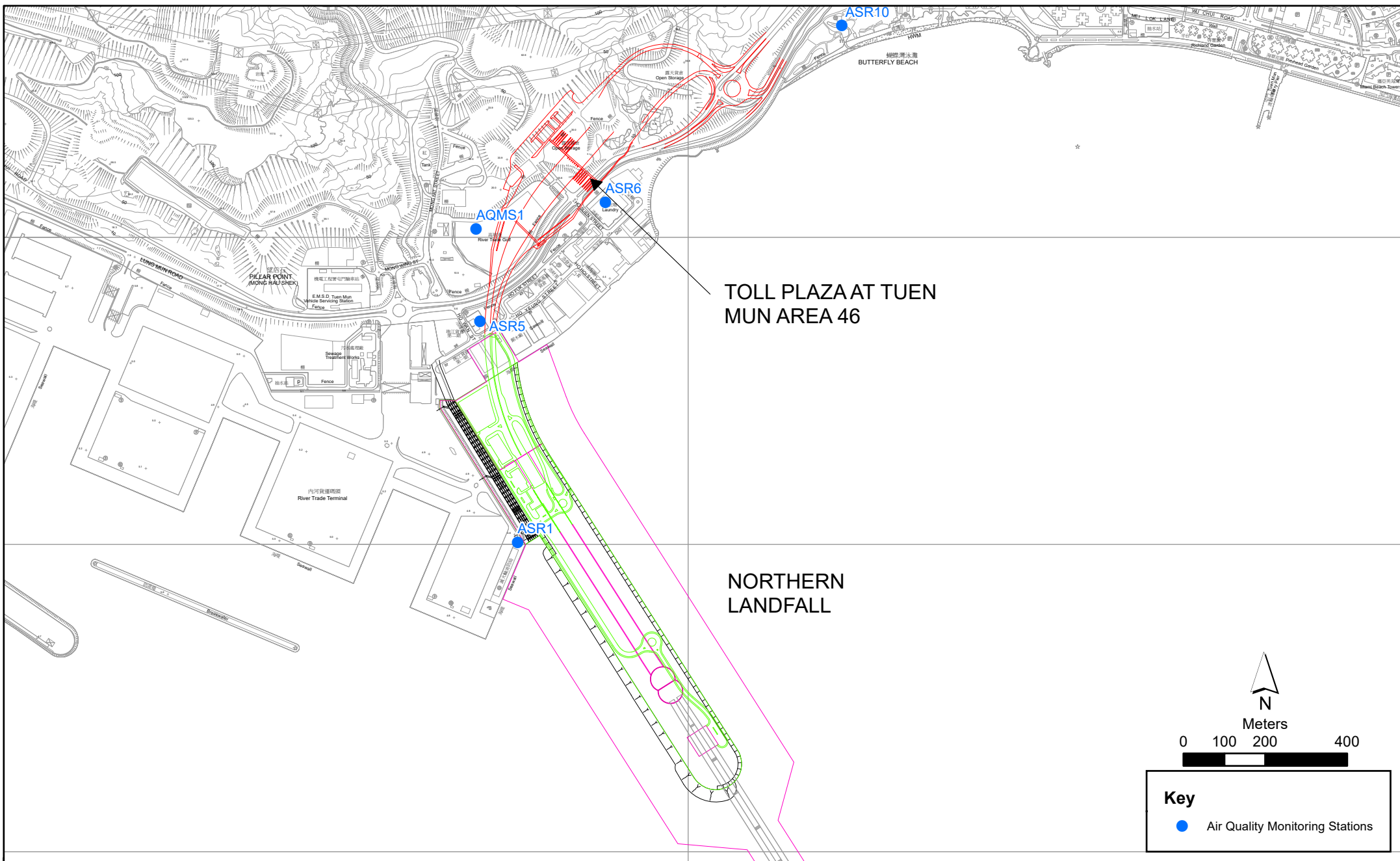


Figure 2.1

Air Quality Monitoring Stations for the Enhanced TSP Monitoring

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 9 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.:

0212330_21October2020_1hrTSP_Station ASR6
0212330_21October2020_1hrTSP_Station ASR5
0212330_21October2020_1hrTSP_Station ASR1

Three Action Level Exceedances were recorded on 21 October 2020.

Regards,

A handwritten signature in cursive script that reads "Jasmine".

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 style="text-align: center;"><u>Action Level Exceedance</u></p> <p style="text-align: center;">0212330_21October2020_1hrTSP_Station ASR6 0212330_21October2020_1hrTSP_Station ASR5 0212330_21October2020_1hrTSP_Station ASR1</p> <p style="text-align: center;">[Total No. of Exceedances = 3]</p>	
Date	<p style="text-align: center;">21 October 2020 (Measured) 9 November 2020 (Laboratory results received by ERM)</p>	
Monitoring Station	<p style="text-align: center;">ASR6, ASR5, ASR1</p>	
Parameter(s) with Exceedance(s)	<p style="text-align: center;">1-hr TSP</p>	
Action Levels	24-hr TSP ($\mu\text{g}/\text{m}^3$)	<p style="text-align: right;">ASR1 = 213 ASR5 = 238 AQMS1 = 213 ASR6 = 238 ASR10 = 214</p>
	1-hr TSP ($\mu\text{g}/\text{m}^3$)	<p style="text-align: right;">ASR1 = 331 ASR5 = 340 AQMS1 = 335 ASR6 = 338 ASR10 = 337</p>
Limit Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	<p style="text-align: right;">500</p>
	24-hr TSP ($\mu\text{g}/\text{m}^3$)	<p style="text-align: right;">260</p>
Measured Levels	<p>Action Level Exceedance for 1-hr TSP is observed at ASR6 ($352 \mu\text{g}/\text{m}^3$) during 1016 – 1116. Action Level Exceedance for 1-hr TSP is observed at ASR5 ($474 \mu\text{g}/\text{m}^3$) during 0823 – 0923. Action Level Exceedance for 1-hr TSP is observed at ASR1 ($494 \mu\text{g}/\text{m}^3$) during 0835 – 0935.</p>	
Works Undertaken (at the time of monitoring event)	<p>On 21 October 2020, no construction works were carried out at the project area.</p>	
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 303° and 345°), blowing from north-westerly direction) and wind speed (ranged between 2.2 and 3.1 m/s), Station ASR6 and ASR5 are located upstream to the project site, which are unlikely impacted by the Project. • No construction works was carried out on 21 October 2020 and thus results of 1-hr TSP taken at Station ASR1 is unlikely impacted by the Project. • 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 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 B</i>).

Annex A

Watering Record

Site Location 地盤位置: Northern Landfill
Date 日期: 19 Oct 2020 to 至 25 Oct 2020

	<u>Time</u> 時間	<u>Monday</u> 星期一	<u>Tuesday</u> 星期二	<u>Wednesday</u> 星期三	<u>Thursday</u> 星期四	<u>Friday</u> 星期五	<u>Saturday</u> 星期六	<u>Sunday</u> 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	<i>MW</i>	<i>MW</i>	<i>MW</i>	<i>MW</i>	<i>MW</i>	<i>MW</i>	<i>MW</i>

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 21/10/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-10-21	ASR10	Sunny	8:00:00	1-hour TSP	108	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR10	Sunny	9:02:00	1-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR10	Sunny	10:04:00	1-hour TSP	107	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR6	Sunny	8:12:00	1-hour TSP	254	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR6	Sunny	9:14:00	1-hour TSP	149	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR6	Sunny	10:16:00	1-hour TSP	352	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR5	Sunny	8:23:00	1-hour TSP	474	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR5	Sunny	9:25:00	1-hour TSP	213	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR5	Sunny	10:27:00	1-hour TSP	265	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR1	Sunny	8:35:00	1-hour TSP	494	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR1	Sunny	9:37:00	1-hour TSP	231	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR1	Sunny	10:39:00	1-hour TSP	224	ug/m3
TMCLKL	HY/2012/08	2020-10-21	AQMS1	Sunny	8:47:00	1-hour TSP	92	ug/m3
TMCLKL	HY/2012/08	2020-10-21	AQMS1	Sunny	9:49:00	1-hour TSP	114	ug/m3
TMCLKL	HY/2012/08	2020-10-21	AQMS1	Sunny	10:51:00	1-hour TSP	123	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR10	Sunny	11:06:00	24-hour TSP	88	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR6	Sunny	11:18:00	24-hour TSP	165	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR5	Sunny	11:29:00	24-hour TSP	138	ug/m3
TMCLKL	HY/2012/08	2020-10-21	ASR1	Sunny	11:41:00	24-hour TSP	170	ug/m3
TMCLKL	HY/2012/08	2020-10-21	AQMS1	Sunny	11:53:00	24-hour TSP	101	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)
20/10/21	0:00	3.1	345
20/10/21	1:00	2.2	337
20/10/21	2:00	2.7	348
20/10/21	3:00	4.9	341
20/10/21	4:00	1.3	207
20/10/21	5:00	2.7	320
20/10/21	6:00	3.6	328
20/10/21	7:00	2.2	308
20/10/21	8:00	2.2	339
20/10/21	9:00	2.2	345
20/10/21	10:00	2.2	322
20/10/21	11:00	3.1	303
20/10/21	12:00	2.7	337
20/10/21	13:00	2.7	341
20/10/21	14:00	2.7	320
20/10/21	15:00	2.2	321
20/10/21	16:00	2.2	320
20/10/21	17:00	1.3	323
20/10/21	18:00	2.2	309
20/10/21	19:00	3.6	341
20/10/21	20:00	4	339
20/10/21	21:00	1.8	315
20/10/21	22:00	2.7	348
20-10-21	23:00	1.8	346

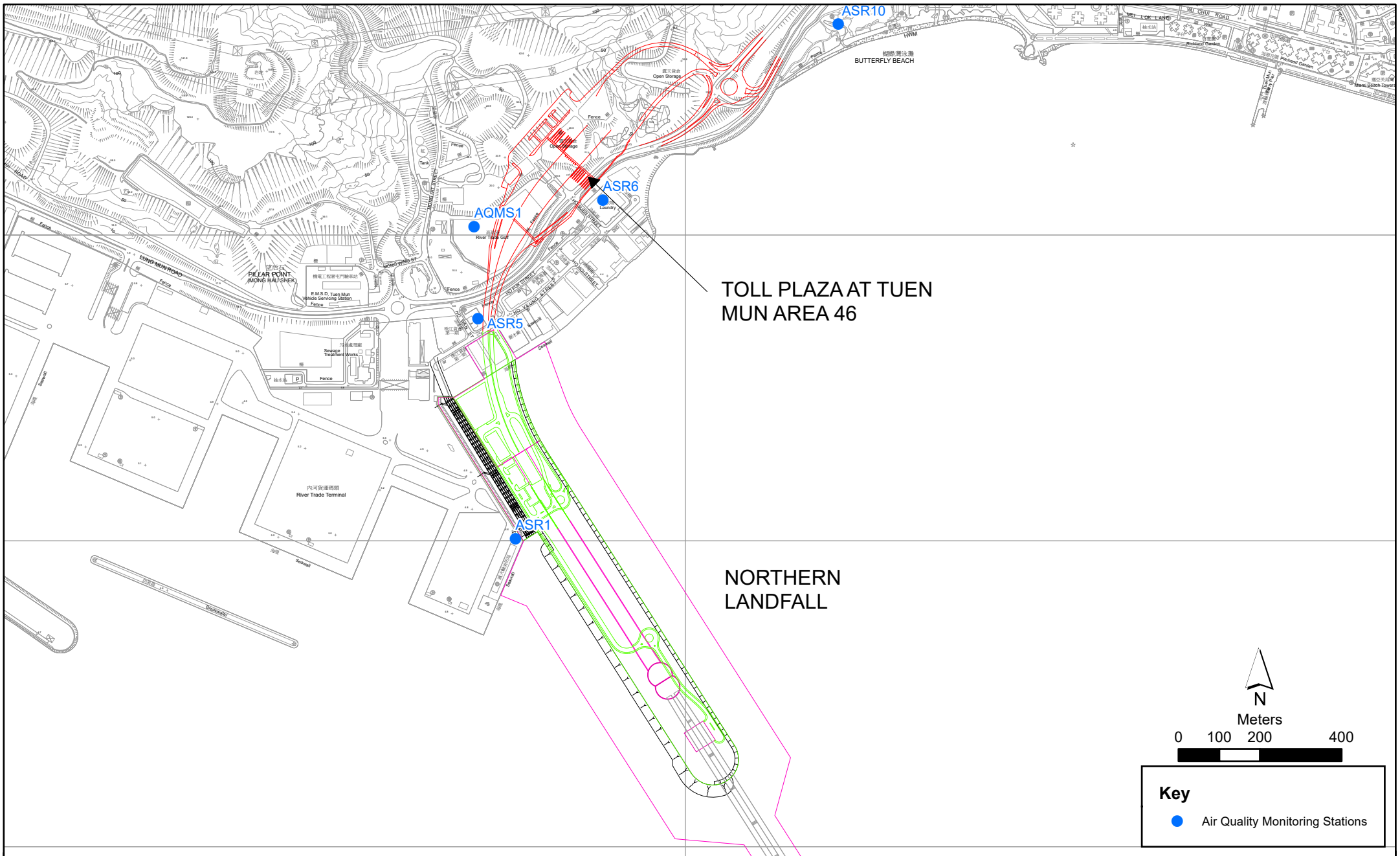


Figure 2.1b

Air Quality Monitoring Stations for the Enhanced TSP Monitoring