

Appendix J

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

**Table J1** *Cumulative Statistics on Exceedances*

<b>Monitoring Parameters</b>	<b>Action/Limit Level</b>	<b>Total No. recorded in this reporting quarter</b>	<b>Total No. recorded since Contract commencement</b>
1-Hr TSP	Action	8	119
	Limit	2	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	1	21

**Table J2** *Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions*

<b>Reporting Period</b>	<b>Cumulative Statistics</b>		
	<b>Complaints</b>	<b>Notifications of Summons</b>	<b>Successful Prosecutions</b>
This Reporting Period (September 2020 to 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** 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



**ERM**

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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,

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.	<p style="text-align: center;"><u>Action Level Exceedance</u>          0212330_11September2020_1hrTSP_Station ASR6</p> <p style="text-align: center;"><u>Limit Level Exceedance</u>          0212330_11September2020_1hrTSP_Station ASR6</p> <p style="text-align: center;">[Total No. of Exceedances = 2]</p>	
Date	<p style="text-align: center;">11 September 2020 (Measured)          24 September 2020 (Laboratory results received by ERM)</p>	
Monitoring Station	<p style="text-align: center;">ASR6</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: center;">ASR1 = 213          ASR5 = 238          AQMS1 = 213          ASR6 = 238          ASR10 = 214</p>
	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	<p style="text-align: center;">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: center;">500</p>
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	<p style="text-align: center;">260</p>
Measured Levels	<p>Action Level Exceedance for 1-hr TSP is observed at ASR6 (<math>499 \mu\text{g}/\text{m}^3</math>) during 0928 – 1028.          Limit Level Exceedance for 1-hr TSP is observed at ASR6 (<math>1454 \mu\text{g}/\text{m}^3</math>) during 1030 – 1130.</p>	
Works Undertaken (at the time of monitoring event)	<p>On 11 September 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"> <li>• With reference to the recorded wind direction (ranged between <math>222^\circ</math> and <math>264^\circ</math>), 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.</li> <li>• 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>).</li> <li>• 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.</li> </ul> <p>Based on the above, the exceedances are unlikely to be due to this Contract.</p>	

<b>Actions Taken/ To Be Taken</b>	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.
<b>Remarks</b>	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**

<b>Date (yy-mm-dd)</b>	<b>Time (24hrs)</b>	<b>Average of Wind Speed (m/s)</b>	<b>Average of Wind Direction(degree)</b>
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

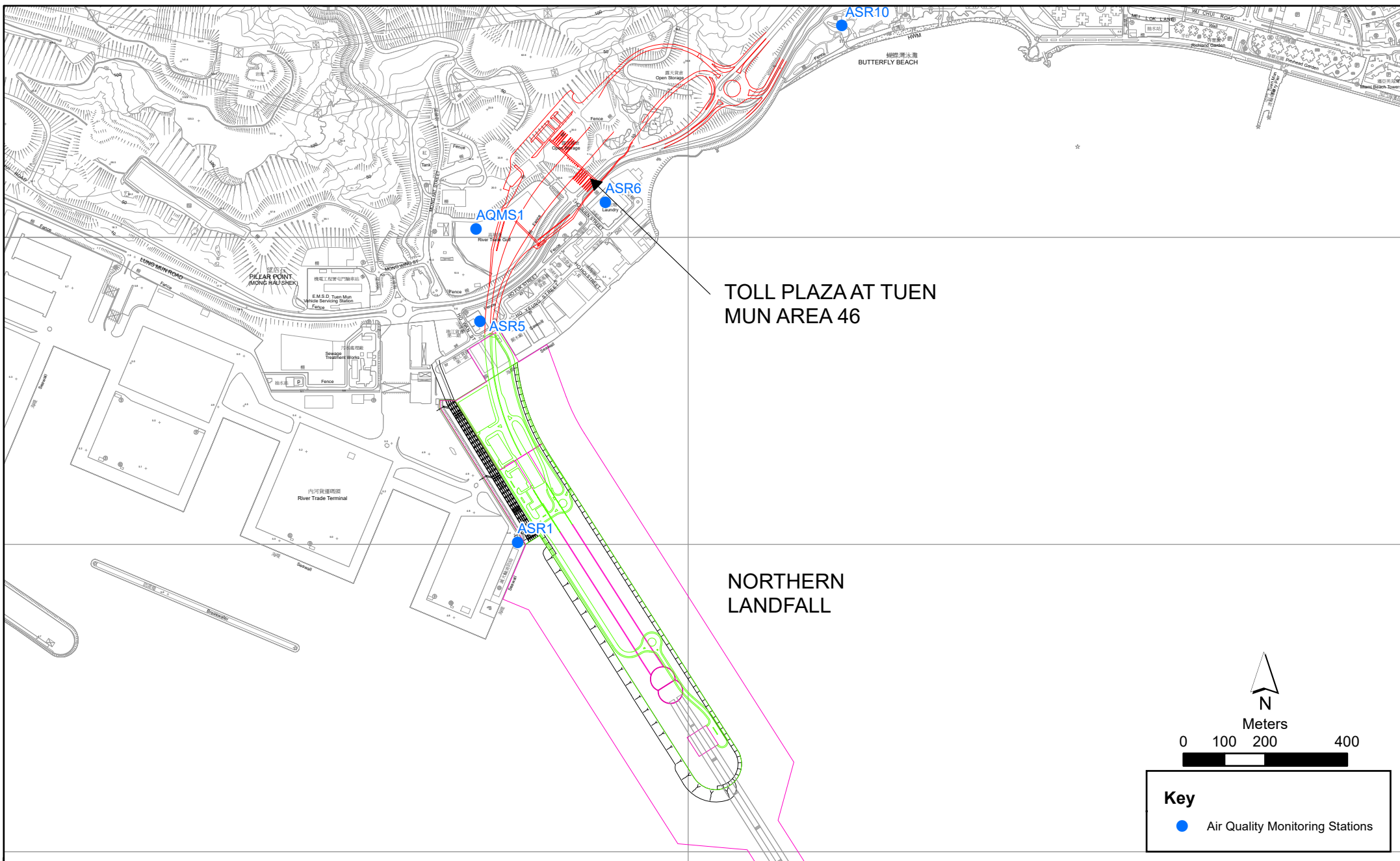


Figure 2.1

Air Quality Monitoring Stations for the Enhanced TSP Monitoring

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**

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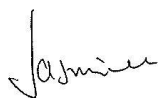
Dear Sir or Madam,

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,



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"> <li>• With reference to the recorded wind direction (ranged between <math>3^\circ</math> and <math>34^\circ</math>), 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.</li> <li>• No construction works was carried out on 9 October 2020.</li> <li>• 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>).</li> </ul> <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.	

<b>Remarks</b>	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**

<b>Date (yy-mm-dd)</b>	<b>Time (24hrs)</b>	<b>Average of Wind Speed (m/s)</b>	<b>Average of Wind Direction(degree)</b>
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

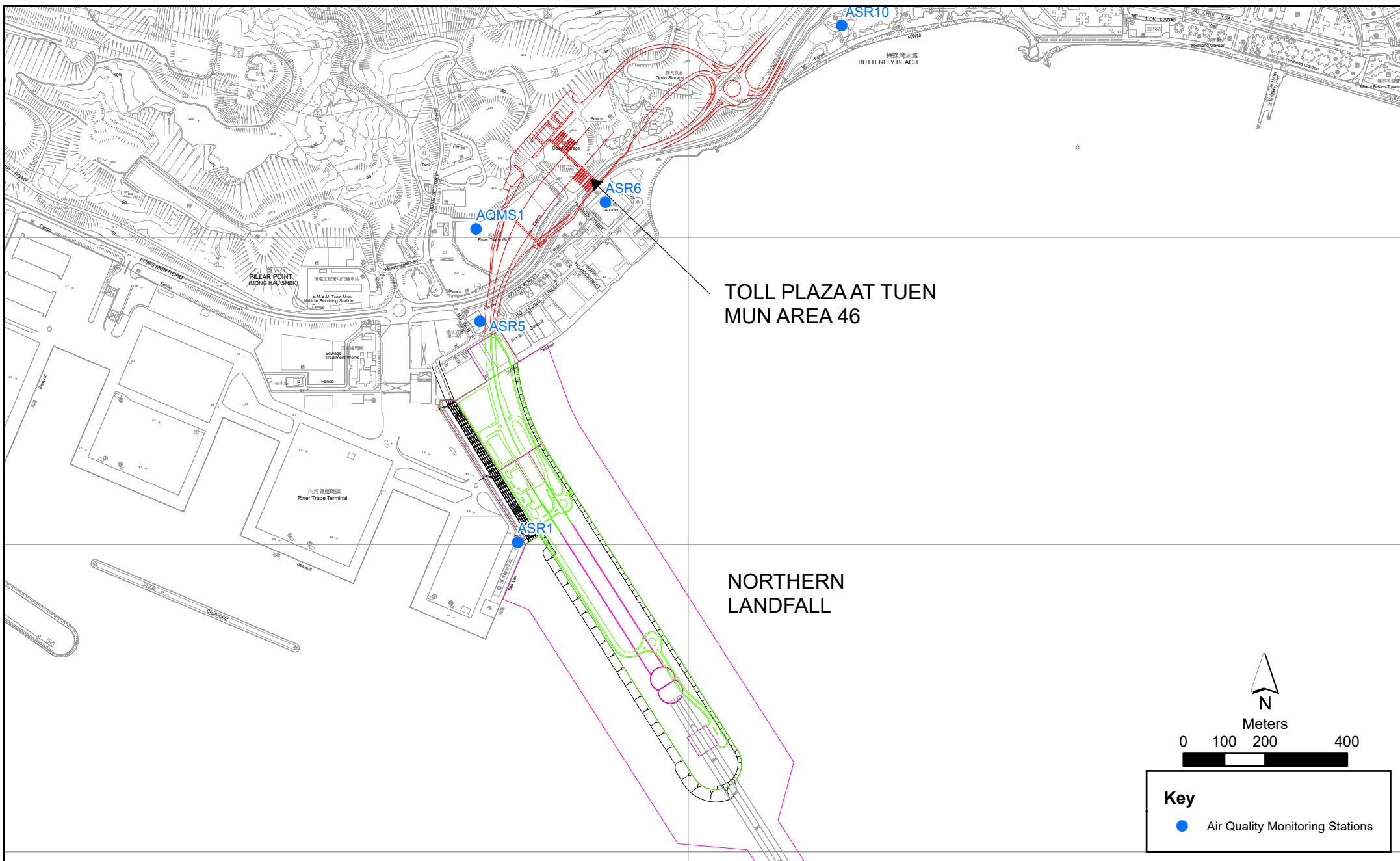


Figure 2.1

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  
Hung Hom, Kowloon  
Hong Kong  
Telephone: (852) 2271 3000  
Facsimile: (852) 2723 5660



**ERM**

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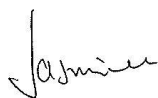
Dear Sir or Madam,

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,



Dr Jasmine Ng  
Environmental Team Leader

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**CONFIDENTIALITY NOTICE**

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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 (<math>352 \mu\text{g}/\text{m}^3</math>) during 1016 – 1116.          Action Level Exceedance for 1-hr TSP is observed at ASR5 (<math>474 \mu\text{g}/\text{m}^3</math>) during 0823 – 0923.          Action Level Exceedance for 1-hr TSP is observed at ASR1 (<math>494 \mu\text{g}/\text{m}^3</math>) 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"> <li>• With reference to the recorded wind direction (ranged between <math>303^\circ</math> and <math>345^\circ</math>), 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.</li> <li>• 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.</li> <li>• 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>).</li> </ul> <p>Based on the above, the exceedances are unlikely to be due to this Contract.</p>	



<b>Actions Taken / To Be Taken</b>	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.
<b>Remarks</b>	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:**

- (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。

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**

<b>Date (yy-mm-dd)</b>	<b>Time (24hrs)</b>	<b>Average of Wind Speed (m/s)</b>	<b>Average of Wind Direction(degree)</b>
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

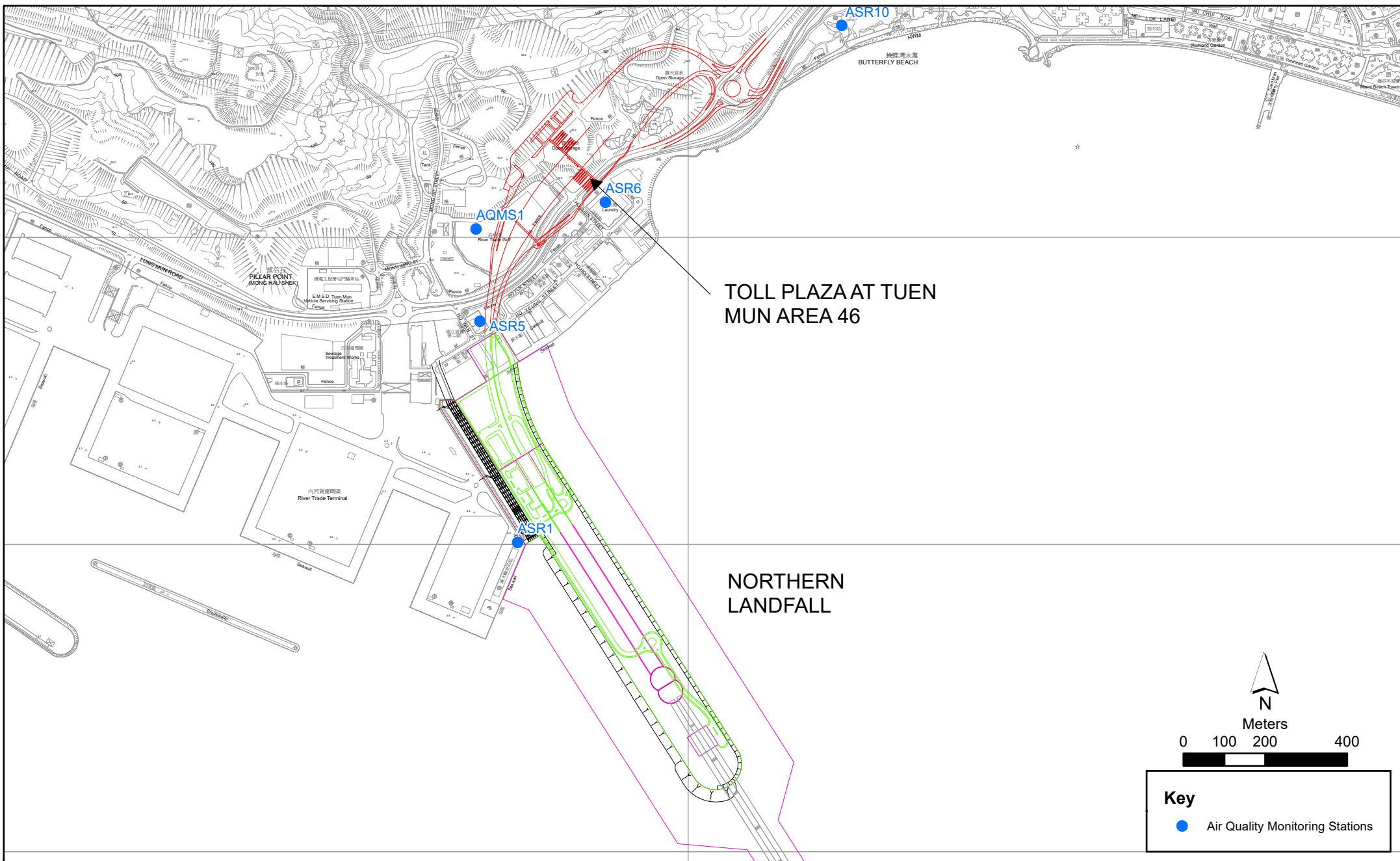


Figure 2.1b

Air Quality Monitoring Stations for the Enhanced TSP Monitoring

Email  
message

**Environmental  
Resources  
Management**

**To** Ramboll Hong Kong, Limited (ENPO)

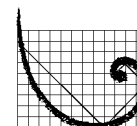
**From** ERM- Hong Kong, Limited

**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**

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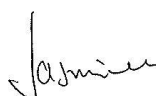
Dear Sir or Madam,

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"> <li>No construction works were carried out near to the monitoring station ASR1.</li> <li>With reference to the recorded wind direction (vary between <math>2^\circ</math> and <math>358^\circ</math> 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.</li> <li>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>).</li> </ul> <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.	

<b>Remarks</b>	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**

<b>Date (yy-mm-dd)</b>	<b>Time (24hrs)</b>	<b>Average of Wind Speed (m/s)</b>	<b>Average of Wind Direction(degree)</b>
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

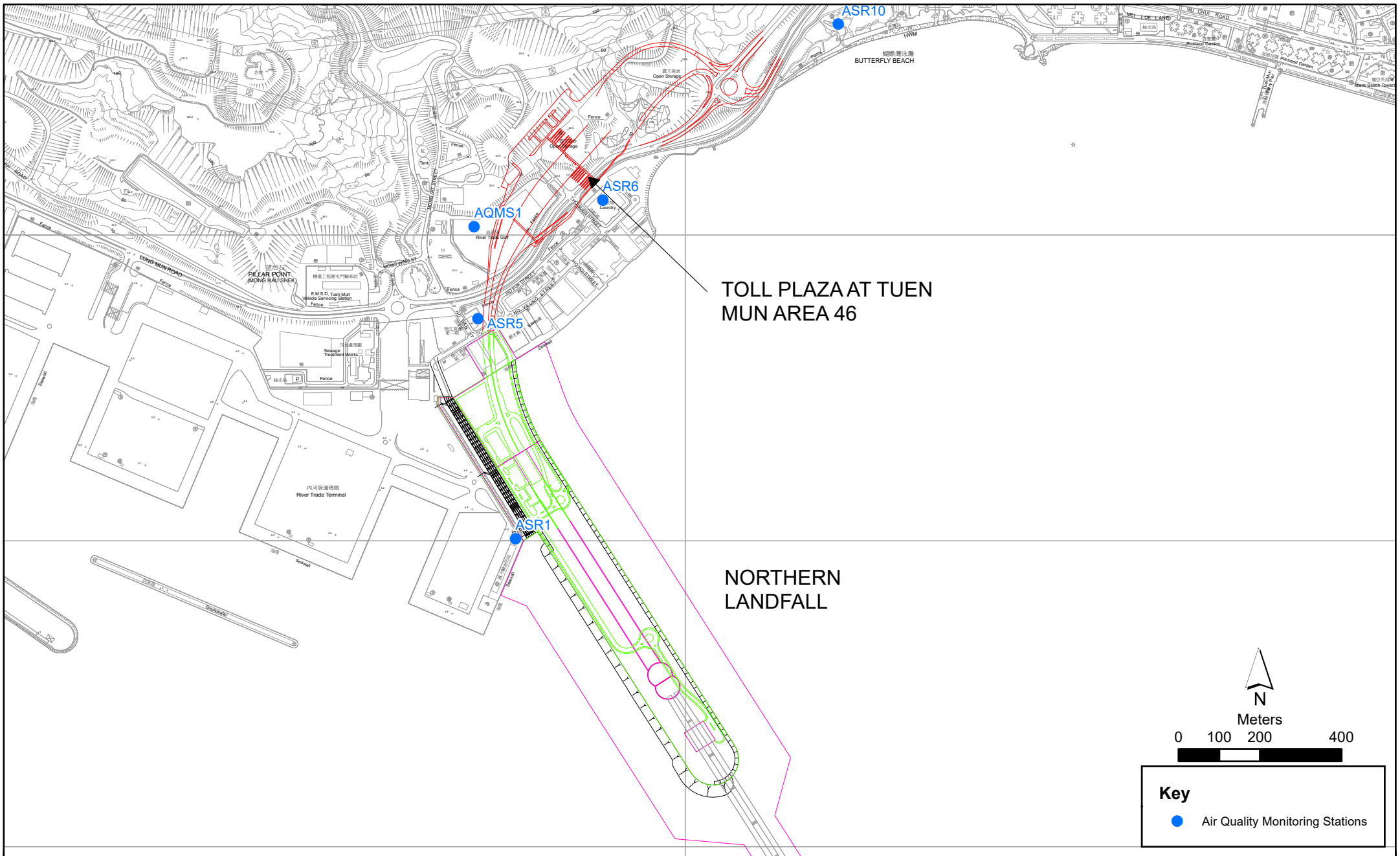


Figure 2.1b

Air Quality Monitoring Stations for the Enhanced TSP Monitoring



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



---

Dear Sir or Madam,

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

Limit Level Exceedance:  
0212330\_6November2020\_1hrTSP\_Station ASR1

Action Level Exceedance:  
0212330\_6November 2020\_24hrTSP\_Station ASR1

One Action Level and one Limit Level Exceedances were recorded on 6  
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.	<p align="center"><u>Action Level Exceedance</u>          0212330_6November 2020_24hrTSP_Station ASR1</p> <p align="center"><u>Limit Level Exceedance</u>          0212330_6November2020_1hrTSP_Station ASR1</p> <p align="center">[Total No. of Exceedances = 2]</p>	
Date	<p align="center">6 November 2020 (Measured)          27 November 2020 (Laboratory results received by ERM)</p>	
Monitoring Station	<p align="center">ASR1</p>	
Parameter(s) with Exceedance(s)	<p align="center">1 - hr TSP and 24 - hr TSP</p>	
Action Levels	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	<p align="center">ASR1 = 213          ASR5 = 238          AQMS1 = 213          ASR6 = 238          ASR10 = 214</p>
	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	<p align="center">ASR1 = 331          ASR5 = 340          AQMS1 = 335          ASR6 = 338          ASR10 = 337</p>
Limit Levels	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	500
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	260
Measured Levels	<p>Limit Level Exceedance for 1-hr TSP is observed at ASR1 (<math>887 \mu\text{g}/\text{m}^3</math>) between sampling period 8:36 and 9:37 on 6 November 2020.</p> <p>Action Level Exceedance for 24-hr TSP is observed at ASR1 (<math>214 \mu\text{g}/\text{m}^3</math>) between sampling period 11:42 on 6 November 2020 and 11:42 on 7 November 2020.</p>	
Works Undertaken (at the time of monitoring event)	<p>On 6 November 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"> <li>• No construction works were carried out near to the monitoring station ASR1.</li> <li>• With reference to the recorded wind direction (vary between <math>13^\circ</math> and <math>325^\circ</math> and) and wind speed (ranged between 0.4 and 2.7 m/s), the wind was mainly from north-westerly direction and occasionally north-easterly direction. Haze was observed during the sampling time.</li> <li>• 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>).</li> </ul> <p>Based on the above, the exceedances are unlikely to be due to this Contract.</p>	

<b>Actions Taken / To Be Taken</b>	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.
<b>Remarks</b>	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 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 6/11/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-11-06	ASR10	Hazy	8:00:00	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR10	Hazy	9:02:00	1-hour TSP	165	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR10	Hazy	10:04:00	1-hour TSP	135	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR6	Hazy	8:13:00	1-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR6	Hazy	9:15:00	1-hour TSP	175	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR6	Hazy	10:17:00	1-hour TSP	180	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR5	Hazy	8:25:00	1-hour TSP	247	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR5	Hazy	9:27:00	1-hour TSP	163	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR5	Hazy	10:29:00	1-hour TSP	229	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR1	Hazy	8:36:00	1-hour TSP	887	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR1	Hazy	9:38:00	1-hour TSP	311	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR1	Hazy	10:40:00	1-hour TSP	237	ug/m3
TMCLKL	HY/2012/08	2020-11-06	AQMS1	Hazy	8:47:00	1-hour TSP	182	ug/m3
TMCLKL	HY/2012/08	2020-11-06	AQMS1	Hazy	9:49:00	1-hour TSP	150	ug/m3
TMCLKL	HY/2012/08	2020-11-06	AQMS1	Hazy	10:51:00	1-hour TSP	222	ug/m3
TMCLKL	HY/2012/08	2020-11-06	AQMS1	Hazy	11:53:00	24-hour TSP	141	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR1	Hazy	11:42:00	24-hour TSP	214	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR10	Hazy	11:06:00	24-hour TSP	120	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR5	Hazy	11:31:00	24-hour TSP	176	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR6	Hazy	11:19:00	24-hour TSP	185	ug/m3

Action level exceedance

Limit level exceedance

**Meteorological Data for Impact Monitoring in the reporting period**

<b>Date (yy-mm-dd)</b>	<b>Time (24hrs)</b>	<b>Average of Wind Speed (m/s)</b>	<b>Average of Wind Direction(degree)</b>
20/11/06	0:00	0.9	45
20/11/06	1:00	0.9	50
20/11/06	2:00	0.9	15
20/11/06	3:00	0.9	70
20/11/06	4:00	0.4	21
20/11/06	5:00	0.4	56
20/11/06	6:00	0.4	54
20/11/06	7:00	0	350
20/11/06	8:00	0.4	54
20/11/06	9:00	2.7	304
20/11/06	10:00	1.3	79
20/11/06	11:00	1.3	111
20/11/06	12:00	1.8	260
20/11/06	13:00	2.7	275
20/11/06	14:00	2.7	273
20/11/06	15:00	2.2	263
20/11/06	16:00	1.3	266
20/11/06	17:00	1.3	286
20/11/06	18:00	0.9	301
20/11/06	19:00	1.8	320
20/11/06	20:00	0.9	310
20/11/06	21:00	0.4	323
20/11/06	22:00	0.9	312
20/11/06	23:00	0.4	321
20/11/07	0:00	0.4	325
20/11/07	1:00	1.8	307
20/11/07	2:00	0.4	105
20/11/07	3:00	0.4	315
20/11/07	4:00	0.9	306
20/11/07	5:00	1.3	315
20/11/07	6:00	1.3	315
20/11/07	7:00	2.2	27
20/11/07	8:00	2.7	30
20/11/07	9:00	2.2	18
20/11/07	10:00	1.8	13
20/11/07	11:00	1.3	307
20/11/07	12:00	1.3	318
20/11/07	13:00	1.3	313
20/11/07	14:00	1.8	262
20/11/07	15:00	1.8	277
20/11/07	16:00	2.7	325
20/11/07	17:00	1.8	307
20/11/07	18:00	0.9	303
20/11/07	19:00	1.8	306
20/11/07	20:00	0.4	130
20/11/07	21:00	0.9	326
20/11/07	22:00	1.3	19
20/11/07	23:00	0.9	20



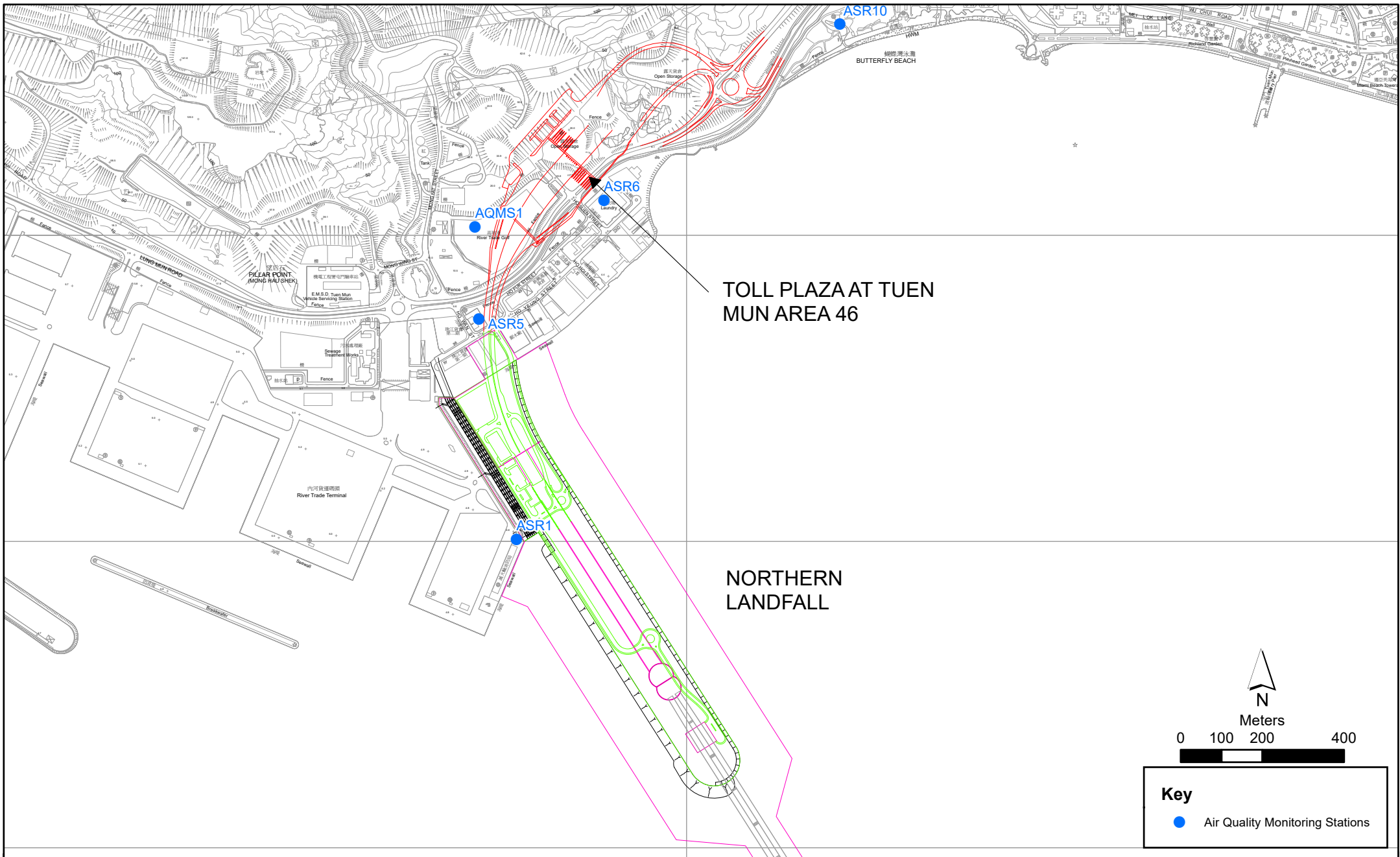


Figure 2.1b

Air Quality Monitoring Stations for the Enhanced TSP Monitoring

Email  
message

Environmental  
Resources  
Management

**To** Ramboll Hong Kong, Limited (ENPO)

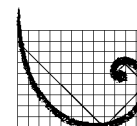
**From** ERM- Hong Kong, Limited

**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** 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**

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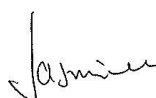
Dear Sir or Madam,

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

Action Level Exceedances:  
0212330\_12November2020\_1hrTSP\_Station ASR6  
0212330\_12November2020\_1hrTSP\_Station ASR5  
0212330\_12November2020\_1hrTSP\_Station ASR1

Three Action Level Exceedances were recorded on 12 November 2020.

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**

<b>Log No.</b>	<p align="center"><u>Action Level Exceedance</u></p> <p align="center">0212330_12November2020_1hrTSP_Station ASR6          0212330_12November2020_1hrTSP_Station ASR5          0212330_12November2020_1hrTSP_Station ASR1</p> <p align="center">[Total No. of Exceedances = 3]</p>	
<b>Date</b>	<p align="center">12 November 2020 (Measured)          27 November 2020 (Laboratory results received by ERM)</p>	
<b>Monitoring Station</b>	<p align="center">ASR6, ASR5 and ASR1</p>	
<b>Parameter(s) with Exceedance(s)</b>	<p align="center">1-hr TSP</p>	
<b>Action Levels</b>	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	<p align="center">ASR1 = 213          ASR5 = 238          AQMS1 = 213          ASR6 = 238          ASR10 = 214</p>
	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	<p align="center">ASR1 = 331          ASR5 = 340          AQMS1 = 335          ASR6 = 338          ASR10 = 337</p>
<b>Limit Levels</b>	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	500
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	260
<b>Measured Levels</b>	<p>Action Level Exceedance for 1-hr TSP is observed at ASR6 (<math>358 \mu\text{g}/\text{m}^3</math>) between sampling period 13:18 and 14:18 on 12 November 2020.</p> <p>Action Level Exceedance for 1-hr TSP is observed at ASR5 (<math>433 \mu\text{g}/\text{m}^3</math>) between sampling period 13:29 and 14:29 on 12 November 2020.</p> <p>Action Level Exceedance for 1-hr TSP is observed at ASR1 (<math>474 \mu\text{g}/\text{m}^3</math>) between sampling period 13:41 and 14:41 on 12 November 2020.</p>	
<b>Works Undertaken (at the time of monitoring event)</b>	<p>On 12 November 2020, no construction works were carried out at the project area.</p>	
<b>Possible Reason for Action or Limit Level Exceedance(s)</b>	<p>The exceedance is unlikely to be due to this Contract, in view of the following:</p> <ul style="list-style-type: none"> <li>No construction works were carried out near to the monitoring station ASR6, ASR5 and ASR1.</li> <li>With reference to the recorded wind direction (vary between <math>192^\circ</math> and <math>228^\circ</math> and) and wind speed (ranged between 1.8 and 2.2 m/s), the wind was mainly from north-westerly direction. Haze was observed during the sampling time.</li> <li>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>).</li> </ul> <p>Based on the above, the exceedances are unlikely to be due to this Contract.</p>	

<b>Actions Taken / To Be Taken</b>	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.
<b>Remarks</b>	The monitoring results, wind data and the locations of air quality monitoring stations are attached ( <i>Annex B</i> ).

Annex A

## Watering Record

<b>Site Location 地盤位置:</b>		<u>Northern Landfall</u>						
<b>Date 日期:</b>		<u>9 Nov 2020 to 至 15 Nov 2020</u>						
	<b>Time 時間</b>	<b>Monday 星期一</b>	<b>Tuesday 星期二</b>	<b>Wednesday 星期三</b>	<b>Thursday 星期四</b>	<b>Friday 星期五</b>	<b>Saturday 星期六</b>	<b>Sunday 星期日</b>
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	✓	✓	✓	✓	✓	✓	✓
<b>Verified by Site Foreman 地盤科文簽署確認</b>		✓	✓	✓	✓	✓	✓	✓

<b>Night shift 夜間工作 (if necessary 如需要)</b>								
	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 12/11/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-11-12	ASR10	Hazy	13:07:00	1-hour TSP	230	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR10	Hazy	14:09:00	1-hour TSP	171	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR10	Hazy	15:11:00	1-hour TSP	148	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR6	Hazy	13:18:00	1-hour TSP	358	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR6	Hazy	14:20:00	1-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR6	Hazy	15:22:00	1-hour TSP	182	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR5	Hazy	13:29:00	1-hour TSP	433	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR5	Hazy	14:31:00	1-hour TSP	195	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR5	Hazy	15:33:00	1-hour TSP	249	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR1	Hazy	13:41:00	1-hour TSP	474	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR1	Hazy	14:43:00	1-hour TSP	186	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR1	Hazy	15:45:00	1-hour TSP	213	ug/m3
TMCLKL	HY/2012/08	2020-11-12	AQMS1	Hazy	13:52:00	1-hour TSP	175	ug/m3
TMCLKL	HY/2012/08	2020-11-12	AQMS1	Hazy	14:54:00	1-hour TSP	145	ug/m3
TMCLKL	HY/2012/08	2020-11-12	AQMS1	Hazy	15:56:00	1-hour TSP	231	ug/m3
TMCLKL	HY/2012/08	2020-11-12	AQMS1	Hazy	16:58:00	24-hour TSP	91	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR1	Hazy	16:47:00	24-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR10	Hazy	16:13:00	24-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR5	Hazy	16:35:00	24-hour TSP	168	ug/m3
TMCLKL	HY/2012/08	2020-11-12	ASR6	Hazy	16:24:00	24-hour TSP	108	ug/m3

Action level exceedance

Limit level exceedance



**Meteorological Data for Impact Monitoring in the reporting period**

<b>Date (yy-mm-dd)</b>	<b>Time (24hrs)</b>	<b>Average of Wind Speed (m/s)</b>	<b>Average of Wind Direction(degree)</b>
20/11/12	0:00	0.9	20
20/11/12	1:00	0.9	43
20/11/12	2:00	0.4	311
20/11/12	3:00	0.4	327
20/11/12	4:00	0.4	338
20/11/12	5:00	0.4	322
20/11/12	6:00	0.4	317
20/11/12	7:00	1.3	12
20/11/12	8:00	2.2	28
20/11/12	9:00	1.8	30
20/11/12	10:00	1.8	21
20/11/12	11:00	1.3	15
20/11/12	12:00	1.8	126
20/11/12	13:00	1.8	228
20/11/12	14:00	2.2	192
20/11/12	15:00	1.8	203
20/11/12	16:00	1.8	188
20/11/12	17:00	1.3	80
20/11/12	18:00	1.8	86
20/11/12	19:00	1.8	87
20/11/12	20:00	0.9	42
20/11/12	21:00	0.4	113
20/11/12	22:00	0.4	103
20/11/12	23:00	0.4	115

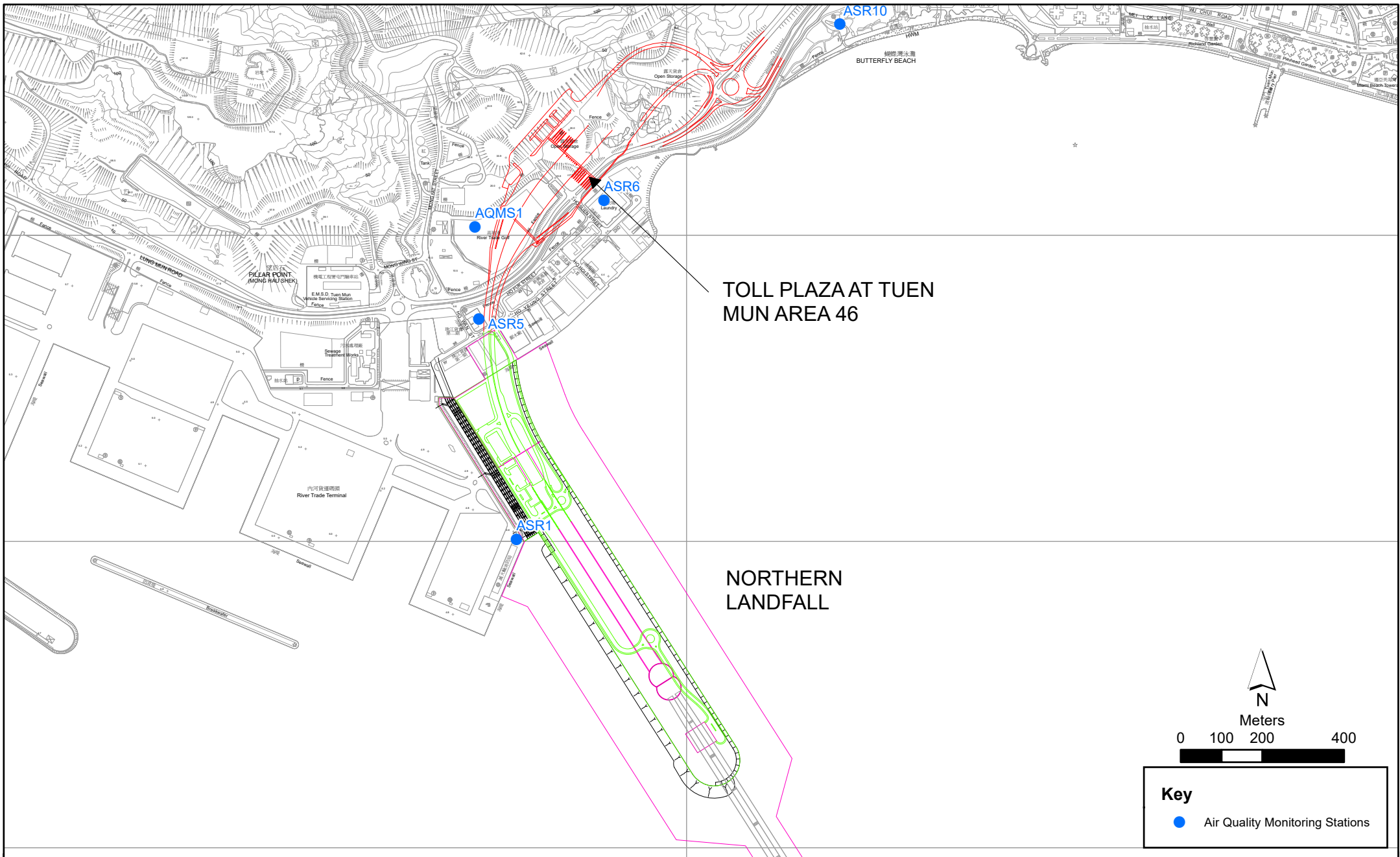


Figure 2.1b

Air Quality Monitoring Stations for the Enhanced TSP Monitoring

**Email  
message**

**Environmental  
Resources  
Management**

**To** Ramboll Hong Kong, Limited (ENPO)

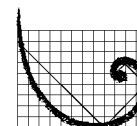
**From** ERM- Hong Kong, Limited

**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 Impact Dolphin  
Monitoring

**Date** 21 December 2020

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



**ERM**

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Dear Sir or Madam,

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

0212330\_September2020/November2020\_dolphin\_STG&ANI\_NEL&NWL

A total of one limit level exceedance was recorded in the quarterly impact  
dolphin monitoring data between September and November 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**

**Post Construction Dolphin Monitoring  
Notification of Exceedance**

<b>Log No.</b>	0212330_ Sep2020/Nov2020_dolphin_STG&ANI_NEL&NWL [Total No. of Exceedances = 1 Limit Level Exceedance]	
<b>Date</b>	September 2020 – November 2020 (monitored) 21 December 2020 (results received by ERM)	
<b>Monitoring Area</b>	Northeast Lantau (NEL) and Northwest Lantau (NWL)	
<b>Parameter(s) with Exceedance(s)</b>	Quarterly encounter rate of dolphin sightings (STG) Quarterly encounter rate of total number of dolphins (ANI)	
<b>Action Levels</b>	North Lantau Social cluster	NEL: STG < 4.2 & ANI < 15.5 or NWL: STG < 6.9 & ANI < 31.3
<b>Limit Levels</b>		NEL: STG < 2.4 & ANI < 8.9 and NWL: STG < 3.9 & ANI < 17.9
<b>Recorded Levels</b>	NEL	STG = 0 & ANI = 0
	NWL	STG = 0.55 & ANI = 1.09
	One Limit Level Exceedance was recorded in the quarterly post construction dolphin monitoring at NEL and NWL between September and November 2020.	
<b>Statistical Analyses</b>	<p>Further to the review of the available and relevant dolphin monitoring data for TMCLKL project, statistical analyses were conducted as follows:</p> <ul style="list-style-type: none"> <li>• A two-way ANOVA with repeated measures and unequal sample size was conducted using Period (2 levels: baseline vs present post construction quarter, September to November 2020) and Location (2 levels: NEL and NWL) as fixed factors to examine whether there were any significant differences in the average encounter rates between the baseline and present post construction monitoring quarter. By setting <math>\alpha = 0.01</math> as the significance level in the statistical tests, significant differences in STG (<math>p = 0.0015</math>) and ANI (<math>p = 0.0242</math>) were detected between Periods.</li> <li>• A two-way ANOVA with repeated measures and unequal sample size was conducted using Cumulative Period (2 levels: the first 32 quarters of impact and post construction phases) and Location (2 levels: NEL and NWL) as fixed factors to examine whether there were any significant differences in the average encounter rates between the baseline and cumulative quarters. By setting <math>\alpha = 0.00001</math> as the significance level in the statistical tests, significant difference in STG (<math>p = 0.000000</math>) and in ANI (<math>p = 0.000000</math>) between Cumulative Period and Location were detected.</li> </ul> <p>*Note: The commencement date under <i>Contract No. HY/2012/08</i> is 1 November 2013 and the Proposal for operational phase dolphin monitoring was approved by EPD on 19 May 2020. Operational phase dolphin monitoring commenced in June 2020.</p>	
<b>Works Undertaken (in the monitoring quarter)</b>	<p>No marine works was undertaken in the reporting period under Contract No. HY/2012/08. Operational phase dolphin monitoring commenced in June 2020.</p> <p>No marine works was undertaken in the reporting period under Contract No. HY/2012/07. Termination proposal for construction EM&amp;A programme of Contract No. HY/2012/07 was approved by EPD on 16 March 2020. The construction phase EM&amp;A programme of Contract No. HY/2012/07 has been terminated since 16 March 2020.</p>	

<b>Possible Reason for Action or Limit Level Exceedance(s)</b>	<p>The exceedance recorded in the quarterly post construction dolphin monitoring is unlikely to be due to TMCLKL project, in view of the following:</p> <ul style="list-style-type: none"> <li>• Blocking of CWD travelling corridor: The <i>Monitoring of Marine Mammals in Hong Kong Waters (2019 – 20)</i> <sup>(1)</sup> reported that dolphin usage and traveling activities to the northern side of the airport (dolphin traveling corridor) are affected by frequent high-speed ferry traffic from Sky Pier (not related to TMCLKL project), which is likely a major factor resulting in the decrease in dolphin abundances in North Lantau.</li> <li>• Marine works of TMCLKL project: Marine works were completed and no marine vessels will be deployed under Contract No. HY/2012/08 as per confirmed by SOR on 17 April 2020. The Proposal for operational phase dolphin monitoring was approved by EPD on 19 May 2020. Operational phase dolphin monitoring commenced in June 2020. No marine works was undertaken in the reporting period under Contract No. HY/2012/07. Termination proposal for construction EM&amp;A programme of Contract No. HY/2012/07 was approved by EPD on 16 March 2020. The construction phase EM&amp;A programme of Contract No. HY/2012/07 has been terminated since 16 March 2020. During this quarter of dolphin monitoring, no adverse impact on CWD due to the activities under TMCLKL project was observed.</li> <li>• Impact on water quality: Marine works were completed and no marine vessels will be deployed under TMCLKL project. The Proposal for operational phase water quality monitoring was approved by EPD on 19 May 2020. Operational phase water quality monitoring commenced in June 2020.</li> <li>• Provision of Marine Park: The Government has designated the Brothers Islands as a marine park in December 2016, with the aim to help better conserve the Chinese White Dolphins, their habitats and enhance the marine and fisheries resources therein.</li> </ul> <p>In view of the above, no unacceptable impact on CWD or its habitat was associated with TMCLKL project in this quarter.</p>
<b>Actions Taken / To Be Taken</b>	<p>No marine works and vessels was undertaken/ deployed in the reporting period. The ET will monitor for future trends in exceedances.</p>
<b>Remarks</b>	<p>The results of post construction dolphin monitoring are documented in the approved <i>Eighty-Third to Eighty-Fifth Monthly EM&amp;A Reports</i>.</p>

(1) Hung S K Y (2020). Prepared for AFCD. Available at:  
[https://www.afcd.gov.hk/english/conservation/con\\_mar/con\\_mar\\_chi/con\\_mar\\_chi\\_chi\\_chi/files/Final\\_Report\\_2019\\_20.pdf](https://www.afcd.gov.hk/english/conservation/con_mar/con_mar_chi/con_mar_chi_chi/files/Final_Report_2019_20.pdf)