

Table K1 *Cumulative Statistics on Exceedances*

Parameters	Level of Exceedance	Total No. recorded in this reporting month	Total No. recorded since project commencement
1-hr TSP	Action	2	68
	Limit	0	4
24-hr TSP	Action	0	8
	Limit	0	4
Water Quality	Action	0	20
	Limit	0	1
Impact Dolphin Monitoring	Action	0	11
	Limit	1	13

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

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (August 2018)	0	0	0
Total No. received since project commencement	16	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 26 August 2018

16/F Berkshire House,
25 Westlands Road
Quarry Bay, Hong Kong
Telephone: (852) 2271 3113
Facsimile: (852) 2723 5660
E-mail: jovy.tam@erm.com



ERM

Dear Sir or Madam,

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

0212330_26August2018_1hrTSP_Station ASR1

One Action Level Exceedance was recorded on 26 August 2018.

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.	0212330_26August2018_1hrTSP_Station ASR1 [Total No. of Exceedances = 1]	
Date	26 August 2018 (Measured) 31 August 2018 (Laboratory results received by ERM)	
Monitoring Station	ASR1, ASR5, ASR6, ASR10 and AQMS1	
Parameter(s) with Exceedance(s)	1-hr TSP	
Action Levels	24-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR1 = 213 ASR5 = 238 AQMS1 = 213 ASR6 = 238 ASR10 = 214
	1-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR1 = 331 ASR5 = 340 AQMS1 = 335 ASR6 = 338 ASR10 = 337
Limit Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	500
	24-hr TSP ($\mu\text{g}/\text{m}^3$)	260
Measured Levels	Action Level Exceedance for 1-hr TSP is observed at ASR1 ($417 \mu\text{g}/\text{m}^3$) during 1057 - 1157 hrs.	
Works Undertaken (at the time of monitoring event)	On 26 August 2018, no construction works were carried out on site.	
Possible Reason for Action or Limit Level Exceedance(s)	<p>The exceedance is unlikely to be due to the Project, in view of the following:</p> <ul style="list-style-type: none"> • According to the construction information provided by the Contractor, no construction works were carried out on 26 August 2018. • The exceedances are unlikely to be due to the project as dust suppression measures were implemented properly on site. Water spraying was applied on site to prevent dust. <p>Based on the above, the exceedances are unlikely to be due to the project.</p>	

Actions Taken/ To Be Taken	<p>According to the construction information provided by the Contractor, no construction works were carried out on 26 August 2018. Water spraying was applied to prevent dust. Photos taken during AQM were provided in Annex A. No significant dust impact was observed at ASR1. Dust suppression measures were properly implemented during the site inspections. Based on the above, no additional action is required.</p> <p>The Contractor has been reminded to implement the required mitigation measures as per the EP, approved EIA and Updated EM&A Manual including watering to maintain all exposed road surfaces and dust sources wet, use of sprinklers for water spraying, covering the materials having the potential to create dust by clean tarpaulin, use of water truck and watering on all exposed soil within the Project site) throughout the construction period. The Contractor was also reminded to ensure all dust mitigation measures are provided at Portion N-A and Portion N-C, where the construction works are carried out.</p>
Remarks	<p>The monitoring results and the locations of air quality monitoring stations are attached.</p>



Annex A Photos provided by the Contractor

*Note: Photos taken on 26/8/2018



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



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



Annex A Photos taken during AQM

*Note: Photos taken on 26/8/2018

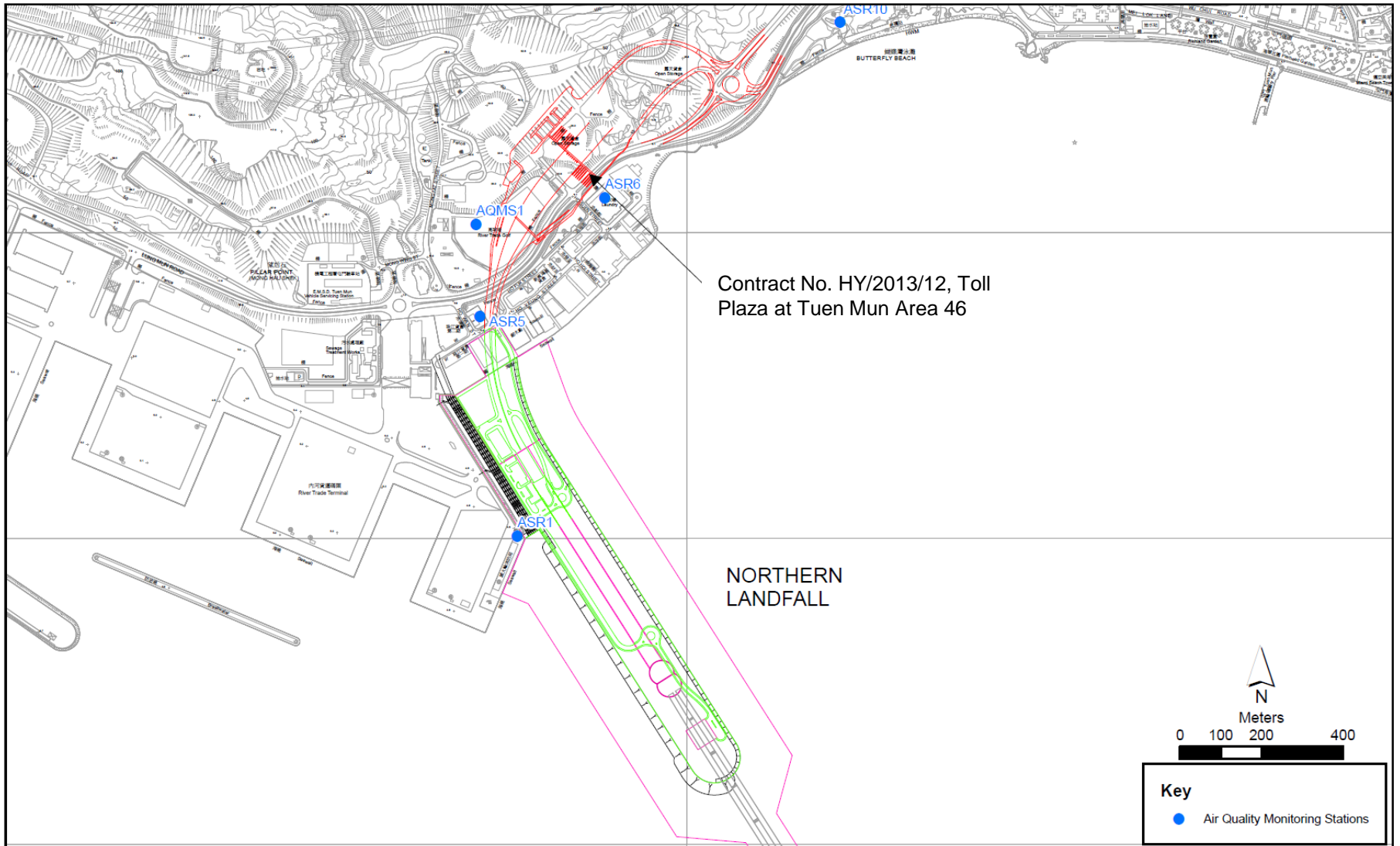


ASR1

Meteorological Data for Impact Monitoring in the reporting period

Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction(degree)
18/08/26	0:00	1.3	281
18/08/26	1:00	0.9	301
18/08/26	2:00	0.9	287
18/08/26	3:00	0.9	316
18/08/26	4:00	1.3	326
18/08/26	5:00	0.9	298
18/08/26	6:00	0.4	305
18/08/26	7:00	0	-
18/08/26	8:00	0.9	16
18/08/26	9:00	0.9	3
18/08/26	10:00	1.3	20
18/08/26	11:00	2.7	18
18/08/26	12:00	2.2	311
18/08/26	13:00	1.8	297
18/08/26	14:00	2.2	287
18/08/26	15:00	1.3	290
18/08/26	16:00	0.9	231
18/08/26	17:00	1.3	126
18/08/26	18:00	2.2	96
18/08/26	19:00	2.2	83
18/08/26	20:00	1.8	91
18/08/26	21:00	2.2	91
18/08/26	22:00	0.9	88
18/08/26	23:00	1.3	92

TMCLKL	HY/2012/08	26/8/2018	AQMS1	Sunny	9:04	1-hour TSP	87	ug/m3
TMCLKL	HY/2012/08	26/8/2018	AQMS1	Sunny	10:06	1-hour TSP	50	ug/m3
TMCLKL	HY/2012/08	26/8/2018	AQMS1	Sunny	11:08	1-hour TSP	120	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR1	Sunny	8:53	1-hour TSP	169	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR1	Sunny	9:55	1-hour TSP	200	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR1	Sunny	10:57	1-hour TSP	417	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR10	Sunny	8:20	1-hour TSP	63	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR10	Sunny	9:22	1-hour TSP	39	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR10	Sunny	10:24	1-hour TSP	39	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR5	Sunny	8:42	1-hour TSP	177	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR5	Sunny	9:44	1-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR5	Sunny	10:46	1-hour TSP	103	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR6	Sunny	8:30	1-hour TSP	121	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR6	Sunny	9:32	1-hour TSP	51	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR6	Sunny	10:34	1-hour TSP	49	ug/m3
TMCLKL	HY/2012/08	26/8/2018	AQMS1	Sunny	12:10	24-hour TSP	51	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR1	Sunny	11:59	24-hour TSP	90	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR10	Sunny	11:26	24-hour TSP	41	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR5	Sunny	11:48	24-hour TSP	54	ug/m3
TMCLKL	HY/2012/08	26/8/2018	ASR6	Sunny	11:36	24-hour TSP	57	ug/m3



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Telephone: (852) 2271 3113
Facsimile: (852) 2723 5660
E-mail: jovy.tam@erm.com



ERM

Dear Sir or Madam,

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

0212330_29August2018_1hrTSP_Station ASR1

One Action Level Exceedance was recorded on 29 August 2018.

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.	0212330_29August2018_1hrTSP_Station ASR1 [Total No. of Exceedances = 1]	
Date	29 August 2018 (Measured) 6 September 2018 (Laboratory results received by ERM)	
Monitoring Station	ASR1, ASR5, ASR6, ASR10 and AQMS1	
Parameter(s) with Exceedance(s)	1-hr TSP	
Action Levels	24-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR1 = 213 ASR5 = 238 AQMS1 = 213 ASR6 = 238 ASR10 = 214
	1-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR1 = 331 ASR5 = 340 AQMS1 = 335 ASR6 = 338 ASR10 = 337
Limit Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	500
	24-hr TSP ($\mu\text{g}/\text{m}^3$)	260
Measured Levels	Action Level Exceedance for 1-hr TSP is observed at ASR1 ($403 \mu\text{g}/\text{m}^3$) during 1336 - 1436 hrs.	
Works Undertaken (at the time of monitoring event)	On 29 August 2018, TBM tunnel works were carried out on site.	
Possible Reason for Action or Limit Level Exceedance(s)	<p>The exceedance is unlikely to be due to the Project, in view of the following:</p> <ul style="list-style-type: none"> • According to the construction information provided by the Contractor, TBM tunnel works were carried out on site. No ground construction works were carried out. • The exceedance is unlikely to be due to the project as dust suppression measures were implemented properly on site. Water spraying was applied on site to prevent dust. <p>Based on the above, the exceedances are unlikely to be due to the project.</p>	

Actions Taken/ To Be Taken	<p>According to the construction information provided by the Contractor, no ground construction works were carried out on 29 August 2018. Site inspection was also carried out by the ET on 29 August 2018. Water spraying was applied to prevent dust. No significant dust impact was observed on site. Photos taken during AQM were provided in Annex A. No significant dust impact was observed at ASR1. Dust suppression measures were properly implemented during the site inspections. Based on the above, no additional action is required.</p> <p>The Contractor has been reminded to implement the required mitigation measures as per the EP, approved EIA and Updated EM&A Manual including watering to maintain all exposed road surfaces and dust sources wet, use of sprinklers for water spraying, covering the materials having the potential to create dust by clean tarpaulin, use of water truck and watering on all exposed soil within the Project site) throughout the construction period. The Contractor was also reminded to ensure all dust mitigation measures are provided at Portion N-A and Portion N-C, where the construction works are carried out.</p>
Remarks	<p>The monitoring results and the locations of air quality monitoring stations are attached.</p>



Annex A Photos taken during site inspection

*Note: Photos taken on 29/8/2018



Water spraying was applied to prevent dust.



Water spraying was applied to prevent dust.



Annex A Photos taken during AQM

*Note: Photos taken on 29/8/2018



ASR1

TMCLKL	HY/2012/08	29/8/2018	AQMS1	Rainy	13:48	1-hour TSP	158	ug/m3
TMCLKL	HY/2012/08	29/8/2018	AQMS1	Rainy	14:50	1-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	29/8/2018	AQMS1	Rainy	15:52	1-hour TSP	57	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR1	Rainy	13:36	1-hour TSP	403	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR1	Rainy	14:38	1-hour TSP	87	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR1	Rainy	15:40	1-hour TSP	72	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR10	Rainy	13:02	1-hour TSP	129	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR10	Rainy	14:04	1-hour TSP	54	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR10	Rainy	15:06	1-hour TSP	46	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR5	Rainy	13:24	1-hour TSP	327	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR5	Rainy	14:26	1-hour TSP	64	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR5	Rainy	15:28	1-hour TSP	46	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR6	Rainy	13:13	1-hour TSP	125	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR6	Rainy	14:15	1-hour TSP	69	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR6	Rainy	15:17	1-hour TSP	42	ug/m3
TMCLKL	HY/2012/08	29/8/2018	AQMS1	Rainy	16:54	24-hour TSP	46	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR1	Rainy	16:42	24-hour TSP	58	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR10	Rainy	16:08	24-hour TSP	35	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR5	Rainy	16:30	24-hour TSP	47	ug/m3
TMCLKL	HY/2012/08	29/8/2018	ASR6	Rainy	16:19	24-hour TSP	62	ug/m3

Meteorological Data for Impact Monitoring in the reporting period			
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction(degree)
18/08/29	0:00	1.3	132
18/08/29	1:00	1.3	133
18/08/29	2:00	1.3	140
18/08/29	3:00	0.4	351
18/08/29	4:00	1.3	126
18/08/29	5:00	0.4	1
18/08/29	6:00	0.4	3
18/08/29	7:00	0	-
18/08/29	8:00	1.8	199
18/08/29	9:00	0.9	235
18/08/29	10:00	0.9	220
18/08/29	11:00	1.3	224
18/08/29	12:00	1.8	290
18/08/29	13:00	0.9	140
18/08/29	14:00	2.2	214
18/08/29	15:00	1.8	200
18/08/29	16:00	1.8	284
18/08/29	17:00	0.9	294
18/08/29	18:00	0.9	2
18/08/29	19:00	0.9	344
18/08/29	20:00	0.9	339
18/08/29	21:00	0.4	294
18/08/29	22:00	0.4	299
18/08/29	23:00	0.9	147

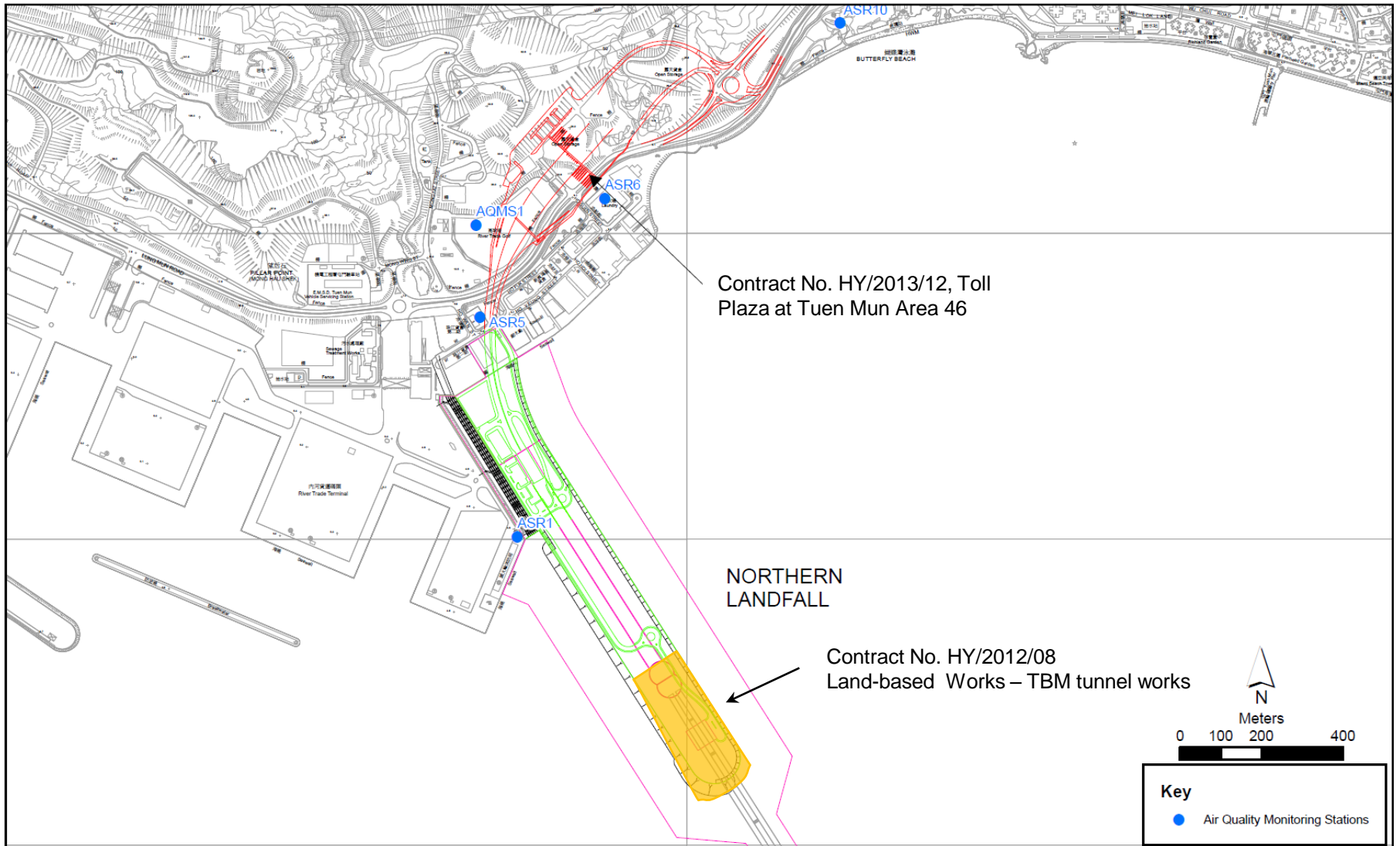


Figure 1

Indicative Construction Works Area on 29 August 2018