

## Appendix G

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

## *Appendix G1 Cumulative Statistics on Exceedances*

		Total No. recorded in this reporting month	Total No. recorded since contract commencement
1-Hr TSP	Action	3	43
	Limit	1	9
24-Hr TSP	Action	0	2
	Limit	0	0
Landfill gas hazard monitoring			
•	Methane	0	0
•	Oxygen	0	0
•	Carbon Dioxide	0	0

## *Appendix G2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions*

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

Email  
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Environmental  
Resources  
Management

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

**From** ERM- Hong Kong, Limited

**Ref/Project number** Contract No. HY/2017/10  
Tuen Mun – Chek Lap Kok Link – Northern  
Connection Tunnel Buildings, Electrical and  
Mechanical Works

**Subject** Notification of Exceedance for Air Quality  
Impact Monitoring

**Date** 22 April 2020

2507,  
25/F One Harbourfront,  
18 Tak Fung Street,  
Hung Hom, Hong Kong  
Telephone: (852) 2271 3113  
Facsimile: (852) 2723 5660  
E-mail: jasmine.ng@erm.com



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Dear Sir/ Madam,

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

Action Level Exceedance

0463091\_8April2020\_1hrTSP\_Station ASR5  
0463091\_8April2020\_1hrTSP\_Station ASR1  
0463091\_8April2020\_1hrTSP\_Station ASR1

Three (3) exceedances were recorded on 8 April 2020.

Regards,

A handwritten signature in blue ink, appearing to read 'Jasmine', is written over a light blue grid background.

Dr Jasmine Ng  
*Environmental Team Leader*

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This facsimile transmission is intended only for the use of the addressee and is confidential. If you are not the addressee it may be unlawful for you to read, copy, distribute, disclose or otherwise use the information in this facsimile. If you are not the intended recipient, please telephone or fax us immediately.

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ERM-Hong Kong, Limited

CONTRACT NO. HY/2017/10  
TUEN MUN – CHEK LAP KOK LINK –  
NORTHERN CONNECTION TUNNEL BUILDINGS,  
ELECTRICAL AND MECHANICAL WORKS

*Air Quality Impact Monitoring*

**Notification of Exceedance**

Log No.	<p align="center"><u>Action Level Exceedance</u></p> <p align="center">0463091_8April2020_1hrTSP_Station ASR5 0463091_8April2020_1hrTSP_Station ASR1 0463091_8April2020_1hrTSP_Station ASR1</p> <p align="center">[Total No. of Exceedances = 3]</p>	
Date	<p align="center">8 April 2020 (Measured) 22 April 2020 (Results obtained from ENPO Website)</p>	
Monitoring Station	ASR1 and ASR5	
Parameter(s) with Exceedance(s)	1- hr TSP	
Action Levels	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	ASR1 = 331 ASR5 = 340 ASR6 = 338 ASR10 = 335 AQMS1 = 337
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	ASR1 = 213 ASR5 = 238 ASR6 = 238 ASR10 = 214 AQMS1 = 213
Limit Levels	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	500
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	260
Measured Levels	Refer to <i>Appendix A</i> (Data are source from Contract No. HY/2012/08).	
Works Undertaken (at the time of monitoring event)	Works undertaken under this Contract on 8 April 2020 included <ul style="list-style-type: none"> <li>Defect rectification at Administration Building;</li> <li>Defect rectification at Maintenance Depot</li> </ul>	
Possible Reason for Action or Limit Level Exceedance(s)	<p>The exceedance is unlikely to be due to the Contract, in view of the following:</p> <ul style="list-style-type: none"> <li>With reference to the recorded wind direction (ranged between 128° and 124°, blowing from a south easterly direction) and wind speed (ranged between 1.8 and 2.7 m/s) when exceedances recorded, ASR5 is located far from the construction works at Maintenance Depot and Administration Building.</li> <li>ASR1 is located nearby to the construction works at Maintenance Depot and Administration Building. However, the construction works at Maintenance Depot and Administration Building were mainly minor defect rectification works which are considered not major dust generating works (refer to <i>Appendix B</i> and <i>C</i>).</li> <li>The construction area under this Contract were mainly paved. The remaining unpaved area are seated by machines such as crane machines and generators or used as material storage area with proper cover of tarpaulin sheet. The exposed area are suppressed/covered. Dust are not anticipated.</li> </ul> <p>Based on the above, the exceedance is unlikely to be due to the Contract.</p>	
Actions Taken / To Be Taken	No immediate action is considered necessary. The ET will monitor for future trends in exceedances.	
Remarks	The monitoring results on 8 April 2020, locations of air quality monitoring stations and wind data are attached (refer to <i>Appendix A</i> ).	

## Appendix A

# Results of Air Quality Monitoring, Meteorological Data and Locations of Air Quality Monitoring Stations

Air quality monitoring results on 8/4/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-04-08	ASR10	Sunny	13:13:00	1-hour TSP	44	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR10	Sunny	14:15:00	1-hour TSP	123	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR10	Sunny	15:17:00	1-hour TSP	80	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR6	Sunny	13:42:00	1-hour TSP	85	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR6	Sunny	14:26:00	1-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR6	Sunny	15:28:00	1-hour TSP	121	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR5	Sunny	13:36:00	1-hour TSP	198	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR5	Sunny	14:38:00	1-hour TSP	243	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR5	Sunny	15:40:00	1-hour TSP	384	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR1	Sunny	13:47:00	1-hour TSP	328	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR1	Sunny	14:49:00	1-hour TSP	357	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR1	Sunny	15:51:00	1-hour TSP	457	ug/m3
TMCLKL	HY/2012/08	2020-04-08	AQMS1	Sunny	13:58:00	1-hour TSP	50	ug/m3
TMCLKL	HY/2012/08	2020-04-08	AQMS1	Sunny	15:00:00	1-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2020-04-08	AQMS1	Sunny	16:02:00	1-hour TSP	114	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR10	Sunny	16:19:00	24-hour TSP	42	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR6	Sunny	16:30:00	24-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR5	Sunny	16:42:00	24-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2020-04-08	ASR1	Sunny	16:53:00	24-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2020-04-08	AQMS1	Sunny	17:04:00	24-hour TSP	67	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)
20/04/08	0:00	0	1
20/04/08	1:00	0	354
20/04/08	2:00	0	355
20/04/08	3:00	0	48
20/04/08	4:00	0	73
20/04/08	5:00	0.9	50
20/04/08	6:00	0.4	31
20/04/08	7:00	0.9	52
20/04/08	8:00	1.3	84
20/04/08	9:00	1.3	99
20/04/08	10:00	1.3	99
20/04/08	11:00	0.9	95
20/04/08	12:00	1.3	90
20/04/08	13:00	1.8	86
20/04/08	14:00	1.8	128
20/04/08	15:00	2.7	124
20/04/08	16:00	0.9	84
20/04/08	17:00	1.3	91
20/04/08	18:00	0.9	81
20/04/08	19:00	0.9	68
20/04/08	20:00	0.9	98
20/04/08	21:00	1.8	80
20/04/08	22:00	1.8	93
20/04/08	23:00	0.9	96

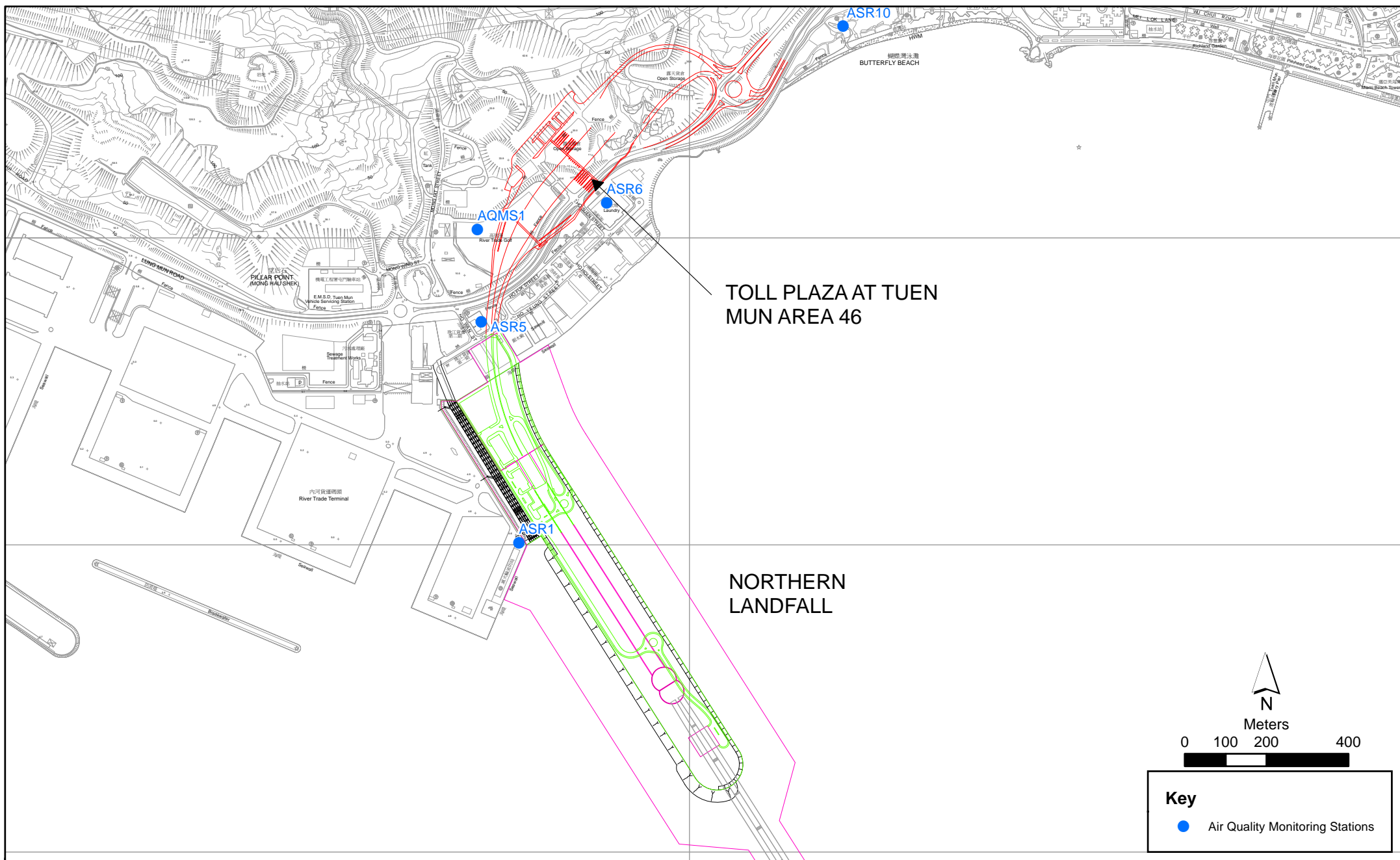


Figure 2.1

Air Quality Monitoring Stations for the Enhanced TSP Monitoring  
(Source: Adopted from Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link -  
Northern Connection Sub-sea Tunnel Section)

File: T:\GIS\CONTRACT\0212330\Mxd\0212330\_ASR\_for\_Enhanced\_TSP\_monitoring.mxd  
Date: 21/2/2014

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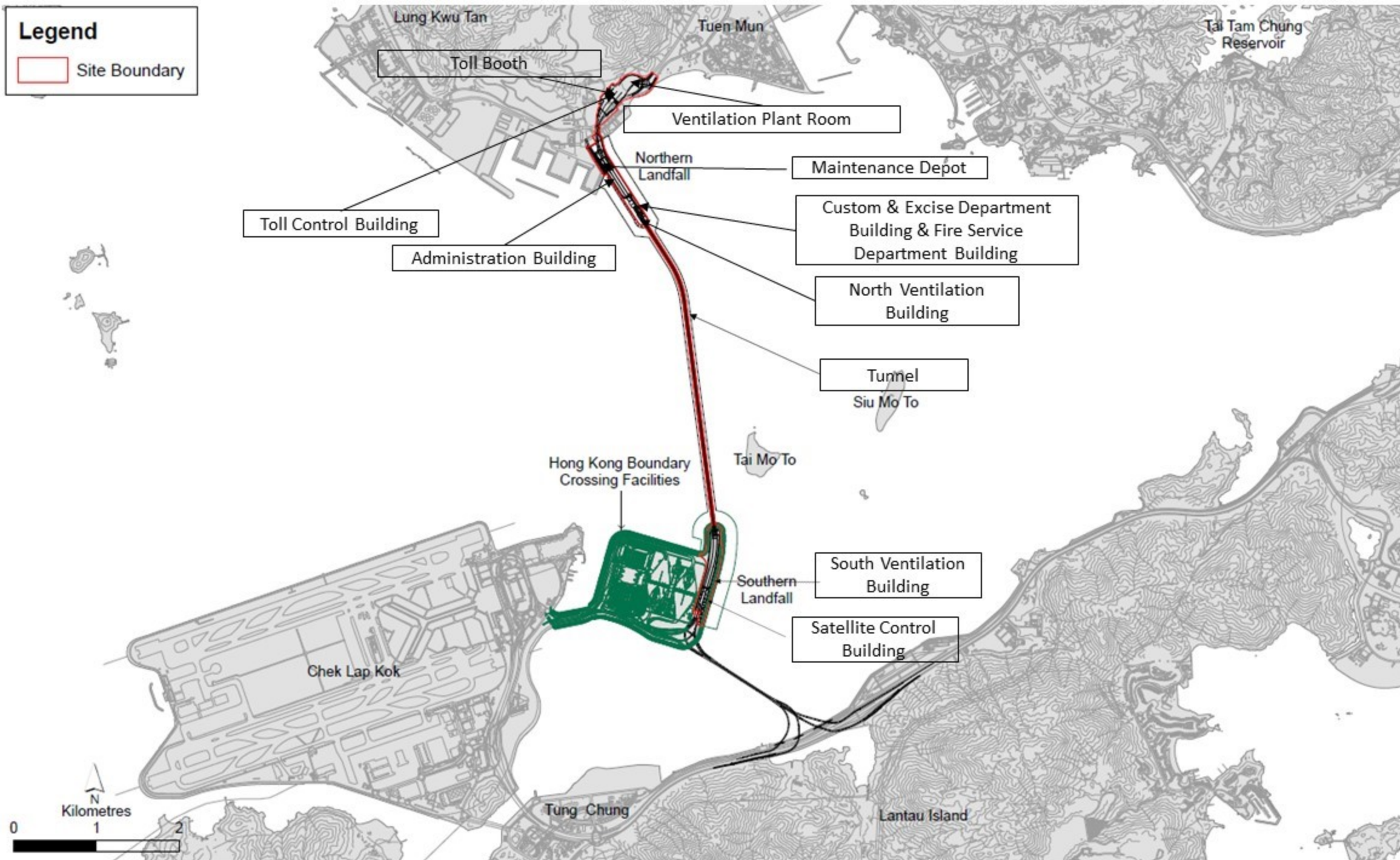


## Appendix B

### Works Locations

# Legend

Site Boundary



## Appendix C

### Site Photo



Photo 1 – Construction works at Administration Building



Photo 2 – Construction works at Maintenance Depot

Email  
message

Environmental  
Resources  
Management

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

**From** ERM- Hong Kong, Limited

**Ref/Project number** Contract No. HY/2017/10  
Tuen Mun – Chek Lap Kok Link – Northern  
Connection Tunnel Buildings, Electrical and  
Mechanical Works

**Subject** Notification of Exceedance for Air Quality  
Impact Monitoring

**Date** 5 May 2020

2507,  
25/F One Harbourfront,  
18 Tak Fung Street,  
Hung Hom, Hong Kong  
Telephone: (852) 2271 3113  
Facsimile: (852) 2723 5660  
E-mail: jasmine.ng@erm.com



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Dear Sir/ Madam,

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

Limit Level Exceedance  
0463091\_14April2020\_1hrTSP\_Station ASR1

One (1) exceedance was recorded on 14 April 2020.

Regards,

Dr Jasmine Ng  
*Environmental Team Leader*

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**ERM-Hong Kong, Limited**

**CONTRACT NO. HY/2017/10**

**TUEN MUN – CHEK LAP KOK LINK –  
NORTHERN CONNECTION TUNNEL BUILDINGS,  
ELECTRICAL AND MECHANICAL WORKS**

***Air Quality Impact Monitoring***

**Notification of Exceedance**

<b>Log No.</b>	<p align="center"><u><b>Limit Level Exceedance</b></u>  <b>0463091_14April2020_1hrTSP_Station ASR1</b></p> <p align="center"><b>[Total No. of Exceedances = 1]</b></p>	
<b>Date</b>	<p align="center">14 April 2020 (Measured)  5 May 2020 (Results obtained from ENPO Website)</p>	
<b>Monitoring Station</b>	ASR1	
<b>Parameter(s) with Exceedance(s)</b>	1- hr TSP	
<b>Action Levels</b>	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	ASR1 = 331 ASR5 = 340 ASR6 = 338 ASR10 = 335 AQMS1 = 337
	24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	ASR1 = 213 ASR5 = 238 ASR6 = 238 ASR10 = 214 AQMS1 = 213
<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>	Refer to <i>Appendix A</i> (Data are source from Contract No. HY/2012/08).	
<b>Works Undertaken (at the time of monitoring event)</b>	Works undertaken under this Contract on 14 April 2020 included <ul style="list-style-type: none"> <li>Defect rectification at Administration Building;</li> <li>Defect rectification at Maintenance Depot</li> </ul>	
<b>Possible Reason for Action or Limit Level Exceedance(s)</b>	<p>The exceedance is unlikely to be due to the Contract, in view of the following:</p> <ul style="list-style-type: none"> <li>With reference to the recorded wind direction (<math>80^\circ</math>, blowing from an easterly direction) and wind speed (<math>1.3 \text{ m/s}</math>) when exceedance recorded, ASR1 is located downstream to the construction works at Maintenance Depot and Administration Building. However, the construction works at Maintenance Depot and Administration Building were mainly minor defect rectification works which are considered not major dust generating works (refer to <i>Appendix B</i> and <i>C</i>).</li> <li>The construction area under this Contract were mainly paved. The remaining unpaved area are seated by machines such as crane machines and generators or used as material storage area with proper cover of tarpaulin sheet. The exposed area are suppressed/covered. Dust are not anticipated.</li> </ul> <p>Based on the above, the exceedance is unlikely to be due to the Contract.</p>	
<b>Actions Taken/ To Be Taken</b>	No immediate action is considered necessary. The ET will monitor for future trends in exceedances.	
<b>Remarks</b>	The monitoring results on 14 April 2020, locations of air quality monitoring stations and wind data are attached (refer to <i>Appendix A</i> ).	

## Appendix A

# Results of Air Quality Monitoring, Meteorological Data and Locations of Air Quality Monitoring Stations

Air quality monitoring results on 14/4/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-04-14	ASR10	Sunny	13:27:00	1-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR10	Sunny	14:29:00	1-hour TSP	44	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR10	Sunny	15:31:00	1-hour TSP	47	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR6	Sunny	13:38:00	1-hour TSP	193	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR6	Sunny	14:40:00	1-hour TSP	113	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR6	Sunny	15:42:00	1-hour TSP	74	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR5	Sunny	13:50:00	1-hour TSP	254	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR5	Sunny	14:52:00	1-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR5	Sunny	15:54:00	1-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR1	Sunny	14:00:00	1-hour TSP	673	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR1	Sunny	15:02:00	1-hour TSP	72	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR1	Sunny	16:04:00	1-hour TSP	161	ug/m3
TMCLKL	HY/2012/08	2020-04-14	AQMS1	Sunny	14:12:00	1-hour TSP	140	ug/m3
TMCLKL	HY/2012/08	2020-04-14	AQMS1	Sunny	15:14:00	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2020-04-14	AQMS1	Sunny	16:16:00	1-hour TSP	127	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR10	Sunny	16:33:00	24-hour TSP	62	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR6	Sunny	16:44:00	24-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR5	Sunny	16:54:00	24-hour TSP	113	ug/m3
TMCLKL	HY/2012/08	2020-04-14	ASR1	Sunny	17:06:00	24-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2020-04-14	AQMS1	Sunny	17:18:00	24-hour TSP	93	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)
20/04/14	0:00	0	24
20/04/14	1:00	0	25
20/04/14	2:00	0	6
20/04/14	3:00	0	347
20/04/14	4:00	0	350
20/04/14	5:00	1.3	309
20/04/14	6:00	0.4	347
20/04/14	7:00	0	333
20/04/14	8:00	0	123
20/04/14	9:00	0	104
20/04/14	10:00	0	102
20/04/14	11:00	0.4	127
20/04/14	12:00	0.9	139
20/04/14	13:00	1.3	96
20/04/14	14:00	1.3	80
20/04/14	15:00	1.3	142
20/04/14	16:00	0.9	200
20/04/14	17:00	1.3	212
20/04/14	18:00	1.3	197
20/04/14	19:00	0.4	119
20/04/14	20:00	0.9	83
20/04/14	21:00	0.9	139
20/04/14	22:00	0.4	61
20/04/14	23:00	0.4	83

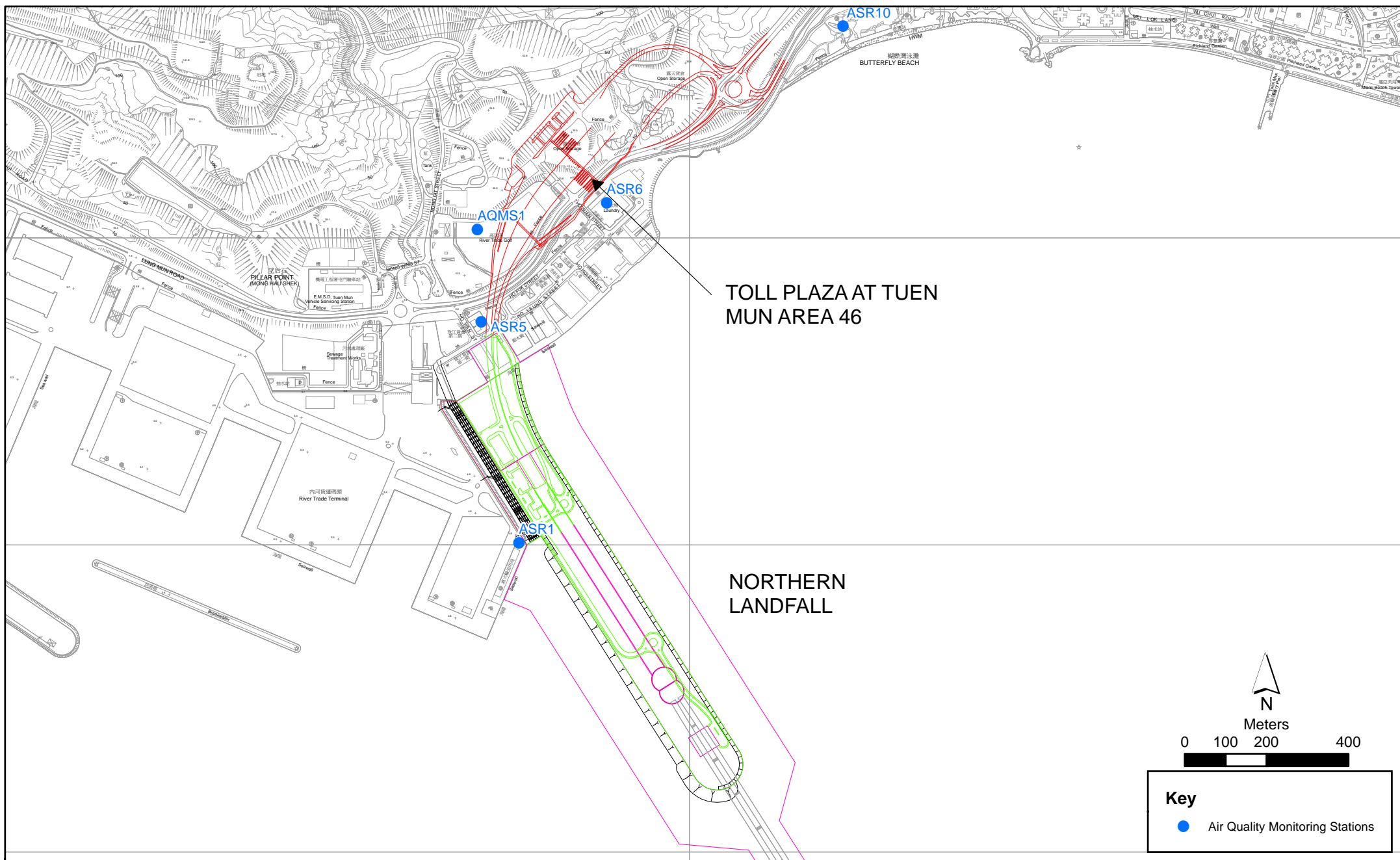


Figure 2.1

Air Quality Monitoring Stations for the Enhanced TSP Monitoring  
(Source: Adopted from Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link -  
Northern Connection Sub-sea Tunnel Section)

File: T:\GIS\CONTRACT\0212330\Mxd\0212330\_ASR\_for\_Enhanced\_TSP\_monitoring.mxd  
Date: 21/2/2014

Environmental  
Resources  
Management

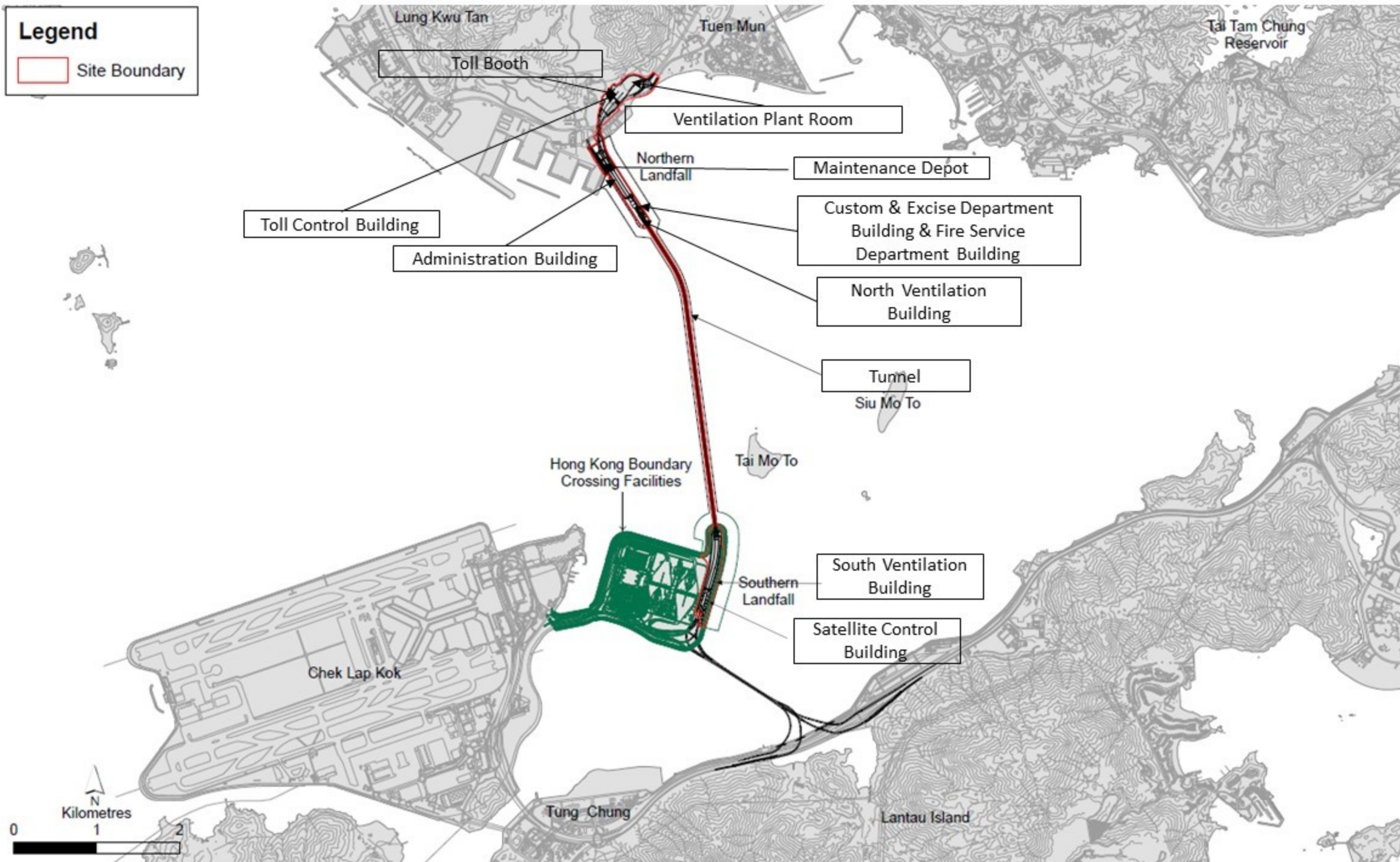


## Appendix B

### Works Locations

# Legend

Site Boundary



## Appendix C

### Site Photo



Photo 1 - Construction works at Administration Building



Photo 2 - Construction works at Maintenance Depot