

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	1	40
	Limit	0	8
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 (March 2020)	0	0	0
Total No. received since contract commencement	1	0	0

Email  
message

**Environmental  
Resources  
Management**

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

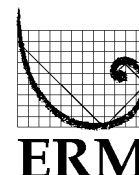
**From** ERM- Hong Kong, Limited

**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** 23 March 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\_12March2020\_1hrTSP\_Station ASR5**

One (1) exceedance was recorded on 12 March 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**

Log No.	<u>Action Level Exceedance</u> 0463091_12March2020_1hrTSP_Station ASR5	
	[Total No. of Exceedances = 1]	
Date	12 March 2020 (Measured) 3 April 2020 (Results obtained from ENPO Website)	
Monitoring Station	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 12 March 2020 included <ul style="list-style-type: none"> <li>• Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Administration Building;</li> <li>• Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Maintenance Depot</li> </ul>	
Possible Reason for Action or Limit Level Exceedance(s)	The exceedance is unlikely to be due to the Contract, in view of the following: <ul style="list-style-type: none"> <li>• With reference to the recorded wind direction (ranged between 72° and 87°, blowing from a easterly direction) and wind speed (2.7 m/s) when exceedances recorded, ASR5 is located far from the construction works at Maintenance Depot and Administration Building. In addition, the construction works at Maintenance Depot and Administration Building were mainly Electrical and Mechanical Works and Architectural Builders Work and Finishes 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> Based on the above, the exceedance is unlikely to be due to the Contract.	
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 12 March 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 12/3/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-03-12	AQMS1	Cloudy	8:49:00	1-hour TSP	82	ug/m3
TMCLKL	HY/2012/08	2020-03-12	AQMS1	Cloudy	9:51:00	1-hour TSP	161	ug/m3
TMCLKL	HY/2012/08	2020-03-12	AQMS1	Cloudy	10:53:00	1-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR1	Cloudy	8:37:00	1-hour TSP	137	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR1	Cloudy	9:39:00	1-hour TSP	172	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR1	Cloudy	10:41:00	1-hour TSP	141	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR10	Cloudy	8:03:00	1-hour TSP	19	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR10	Cloudy	9:05:00	1-hour TSP	90	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR10	Cloudy	10:07:00	1-hour TSP	80	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR5	Cloudy	8:26:00	1-hour TSP	146	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR5	Cloudy	9:28:00	1-hour TSP	356	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR5	Cloudy	10:30:00	1-hour TSP	221	ug/m3
TMCLKL	HY/2012/08	2020-03-12	AQMS1	Cloudy	11:55:00	24-hour TSP	72	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR1	Cloudy	11:43:00	24-hour TSP	99	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR10	Cloudy	11:09:00	24-hour TSP	62	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR5	Cloudy	11:32:00	24-hour TSP	99	ug/m3
TMCLKL	HY/2012/08	2020-03-12	ASR6	Cloudy	11:20:00	24-hour TSP	75	ug/m3

Action level exceedance

Limit level exceedance

<b>Meteorological Data for Impact Monitoring in the reporting period</b>			
<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>
20/03/12	0:00	2.2	38
20/03/12	1:00	2.7	63
20/03/12	2:00	4	91
20/03/12	3:00	3.6	74
20/03/12	4:00	2.7	79
20/03/12	5:00	2.7	73
20/03/12	6:00	2.2	70
20/03/12	7:00	2.7	61
20/03/12	8:00	2.2	72
20/03/12	9:00	2.7	72
20/03/12	10:00	2.7	87
20/03/12	11:00	2.2	76
20/03/12	12:00	1.8	70
20/03/12	13:00	0.9	36
20/03/12	14:00	0.9	99
20/03/12	15:00	0.9	60
20/03/12	16:00	1.3	39
20/03/12	17:00	1.3	49
20/03/12	18:00	1.3	56
20/03/12	19:00	1.3	56
20/03/12	20:00	0.9	39
20/03/12	21:00	1.3	34
20/03/12	22:00	0.9	41
20/03/12	23:00	1.3	29

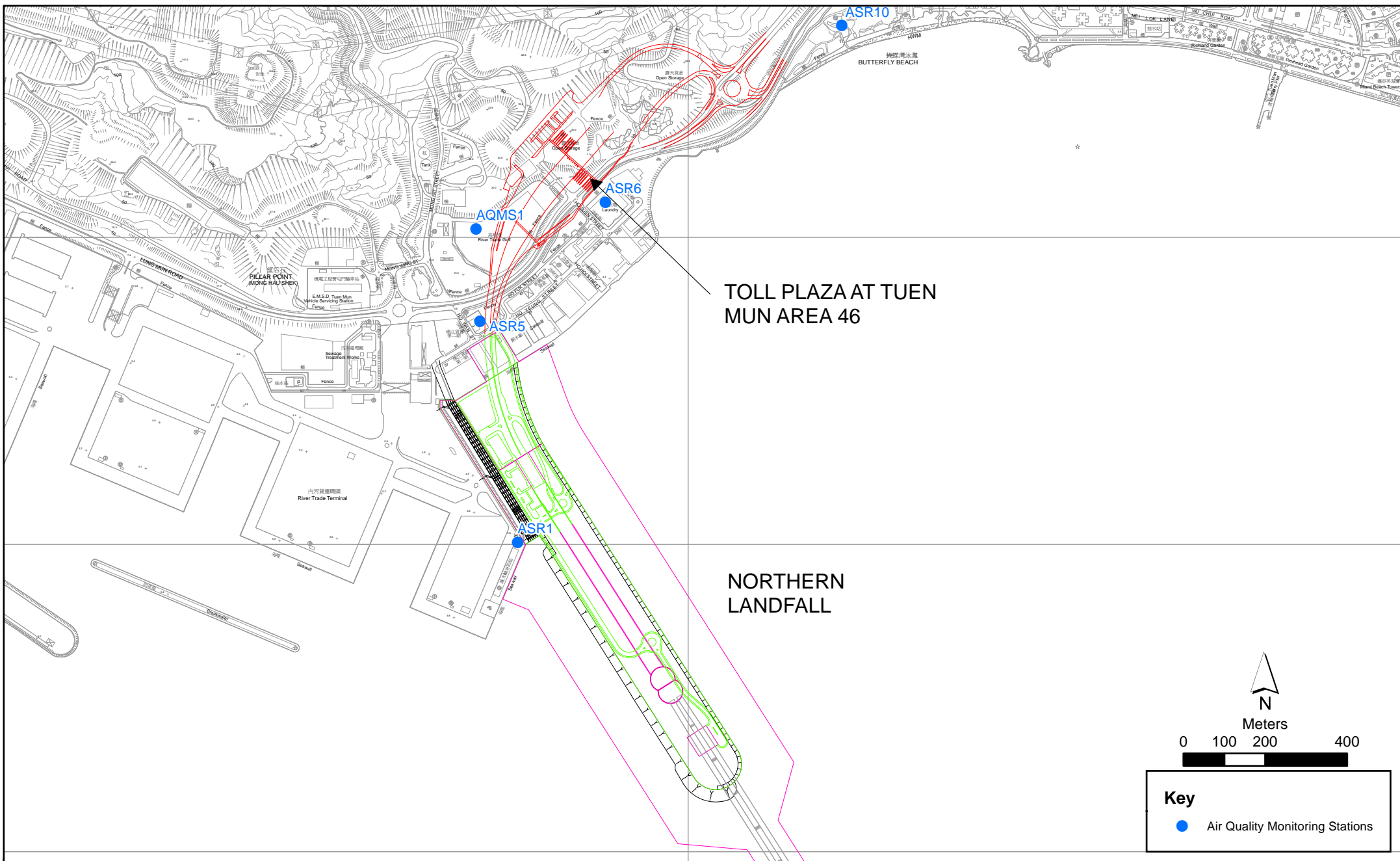


Figure 2.1

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)

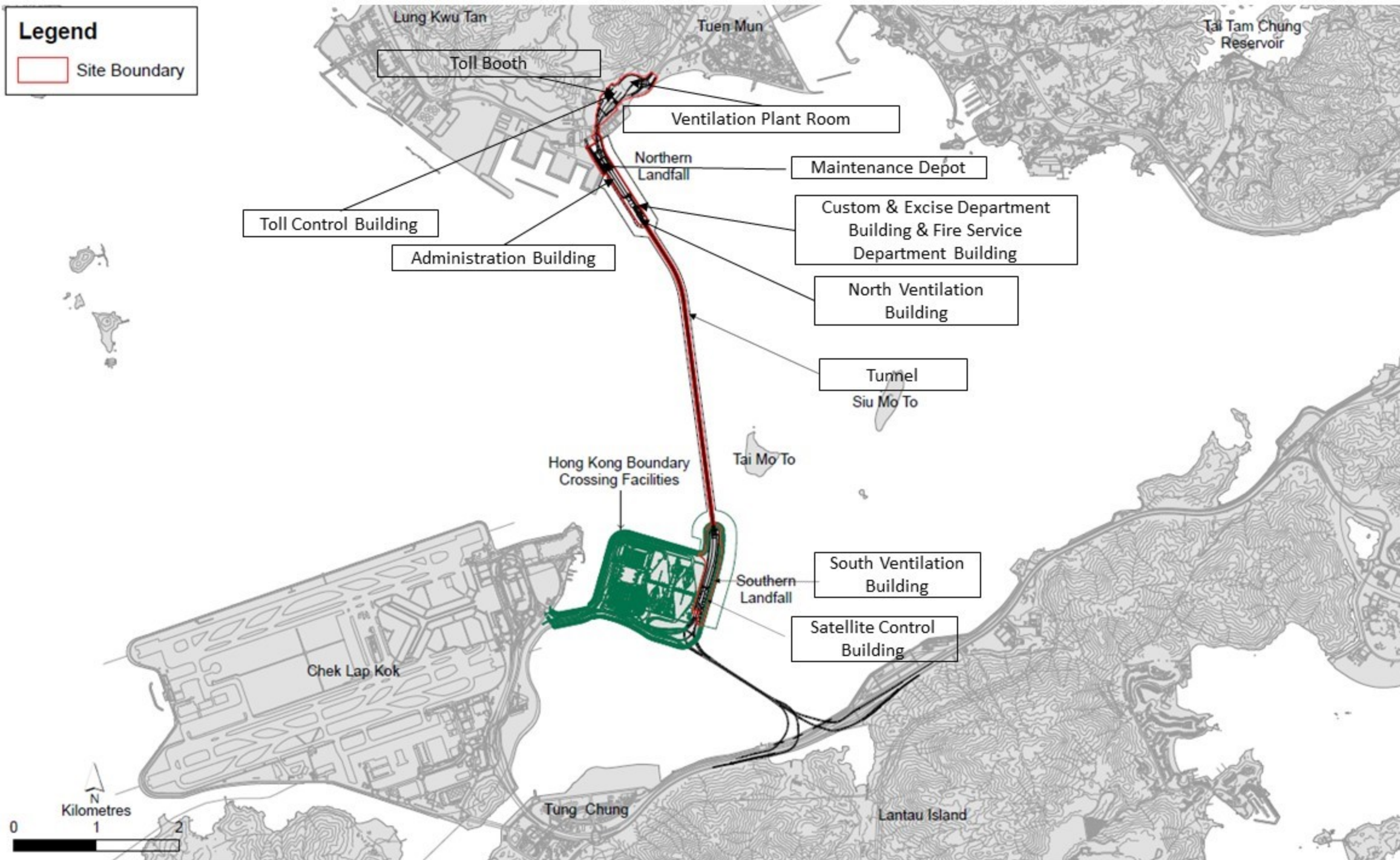


Appendix B

## Works Locations

# Legend

Site Boundary



Appendix C

Site Photo



Photo 1 - Construction works at Administration Building



Photo 2 - Construction works at Maintenance Depot