

Appendix J

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

Appendix J1 Cumulative Statistics on Exceedances

		Total No. recorded in this reporting month	Total No. recorded since contract commencement
1-Hr TSP	Action	1	45
	Limit	0	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 J2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

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

Email
message

Environmental
Resources
Management

To Ramboll Hong Kong Limited (ENPO)

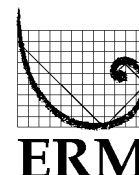
From ERM- Hong Kong, Limited

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 19 August 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



Dear Sir/ Madam,

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

Action Level Exceedance
0463091_12August2020_1hrTSP_Station ASR1

One (1) exceedance was recorded on 12 August 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_12August2020_1hrTSP_Station ASR1 [Total No. of Exceedances = 1]	
Date	12 August 2020 (Measured) 19 August 2020 (Results obtained from ENPO Website)	
Monitoring Station	ASR1	
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)	<p>Works undertaken under this Contract on 12 August 2020 included</p> <ul style="list-style-type: none"> • Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Fire Services Department Building; • Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Customs and Excise Department Building; and • Handover Inspection at North Ventilation Building 	
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"> • With reference to the recorded wind direction (ranged between 44° and 322°), blowing from a north-easterly/north-westerly direction) and wind speed (ranged between 0 and 0.9 m/s) when exceedance recorded, ASR1 is located downstream to Fire Services Department Building, Customs and Excise Department Building and North Ventilation Building. However, only inspection works, electrical and mechanical works and architectural builder's work and finishes were conducted which are considered not major dust generating works (refer to <i>Appendix B</i> and <i>C</i>). • 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. <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 12 August 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 12/8/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-08-12	ASR10	Sunny	8:00:00	1-hour TSP	31	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR10	Sunny	9:02:00	1-hour TSP	33	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR10	Sunny	10:04:00	1-hour TSP	18	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR6	Sunny	8:15:00	1-hour TSP	113	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR6	Sunny	9:17:00	1-hour TSP	46	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR6	Sunny	10:19:00	1-hour TSP	35	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR5	Sunny	8:30:00	1-hour TSP	200	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR5	Sunny	9:32:00	1-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR5	Sunny	10:34:00	1-hour TSP	71	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR1	Sunny	8:40:00	1-hour TSP	352	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR1	Sunny	9:42:00	1-hour TSP	97	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR1	Sunny	10:44:00	1-hour TSP	38	ug/m3
TMCLKL	HY/2012/08	2020-08-12	AQMS1	Sunny	8:50:00	1-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2020-08-12	AQMS1	Sunny	9:52:00	1-hour TSP	37	ug/m3
TMCLKL	HY/2012/08	2020-08-12	AQMS1	Sunny	10:54:00	1-hour TSP	57	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR10	Sunny	11:06:00	24-hour TSP	22	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR6	Sunny	11:21:00	24-hour TSP	27	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR5	Sunny	11:36:00	24-hour TSP	43	ug/m3
TMCLKL	HY/2012/08	2020-08-12	ASR1	Sunny	11:46:00	24-hour TSP	40	ug/m3
TMCLKL	HY/2012/08	2020-08-12	AQMS1	Sunny	11:56:00	24-hour TSP	41	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)
20/08/12	0:00	2.7	81
20/08/12	1:00	2.2	90
20/08/12	2:00	2.7	138
20/08/12	3:00	1.8	132
20/08/12	4:00	0.9	49
20/08/12	5:00	0.9	65
20/08/12	6:00	1.8	358
20/08/12	7:00	0	324
20/08/12	8:00	0	322
20/08/12	9:00	0.9	44
20/08/12	10:00	0.9	36
20/08/12	11:00	1.3	65
20/08/12	12:00	1.8	271
20/08/12	13:00	1.3	36
20/08/12	14:00	2.2	87
20/08/12	15:00	2.7	95
20/08/12	16:00	3.1	88
20/08/12	17:00	1.8	93
20/08/12	18:00	2.2	101
20/08/12	19:00	1.8	101
20/08/12	20:00	2.2	92
20/08/12	21:00	2.2	96
20/08/12	22:00	1.8	93
20/08/12	23:00	1.3	100

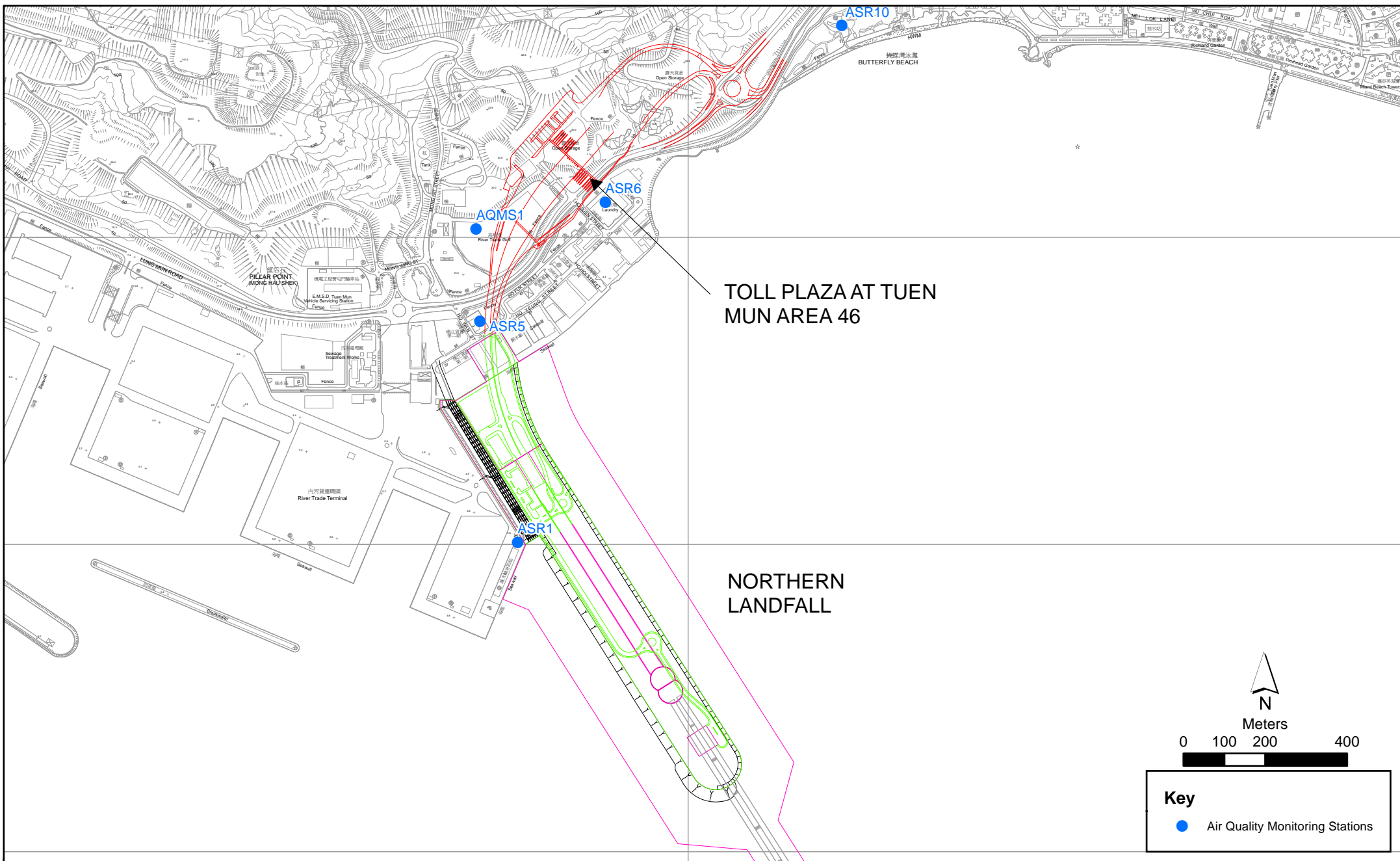


Figure 2.1

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)

Key
 ● Air Quality Monitoring Stations

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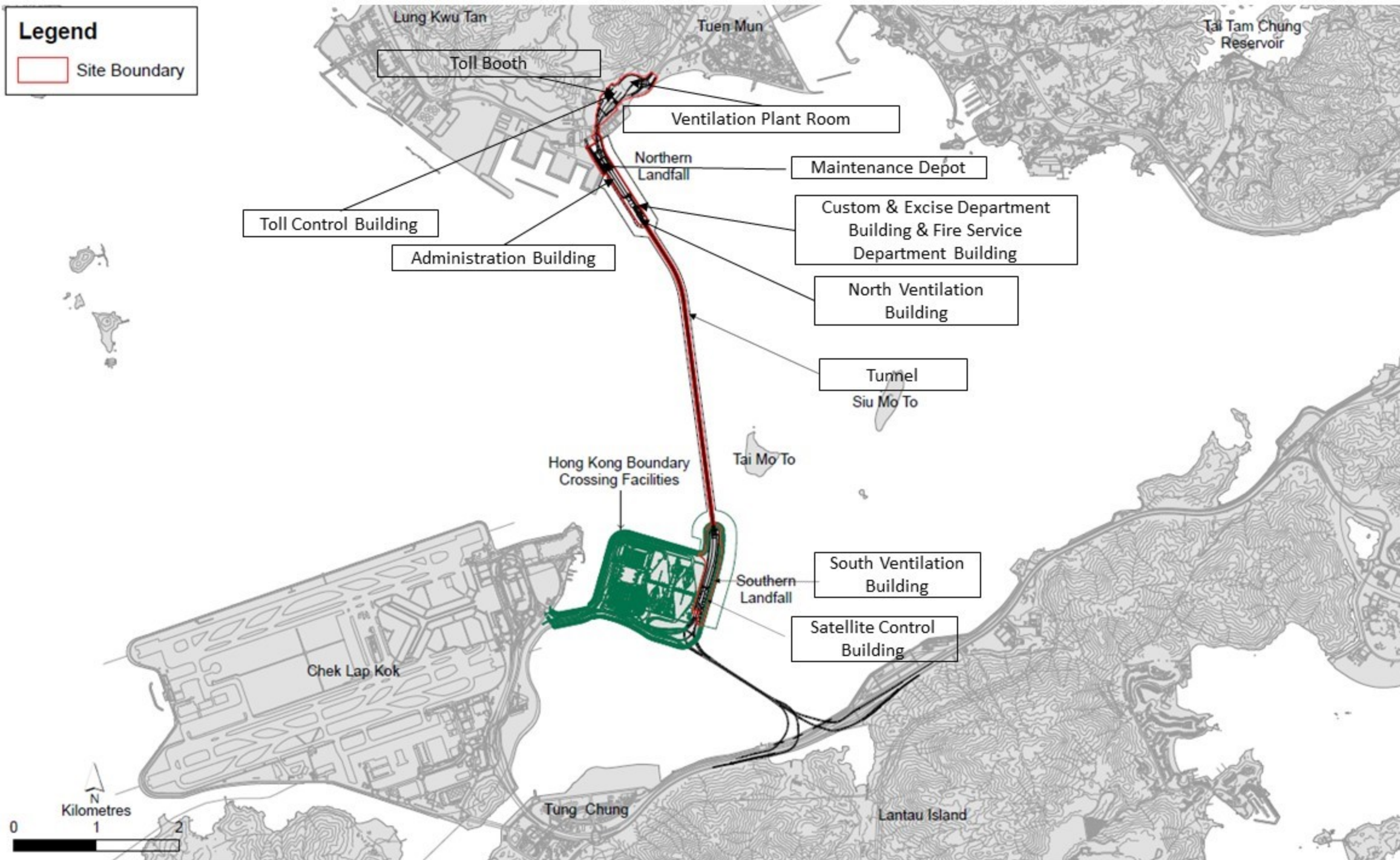


Appendix B

Works Locations

Legend

Site Boundary



Appendix C

Site Photo



Photo 1 - Fire Services Department Building & Customs and Excise Department Building



Photo 2 -North Ventilation Building