

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	0	27
	Limit	1	4
24-Hr TSP	Action	0	2
	Limit	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 (September 2019)	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 09 October 2019

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.:

Limit Level Exceedance
0463091_20September2019_1hrTSP_Station ASR1

One (1) exceedances were recorded on 20 September 2019.

Regards,

A handwritten signature in blue ink that reads 'Jasmine'.

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>Limit Level Exceedance</u> 0463091_20September2019_1hrTSP_Station ASR1 [Total No. of Exceedances = 1]	
Date	20 September 2019 (Measured) 9 October 2019 (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 the attached data sheet (Data are source from Contract No. HY/2012/08).	
Works Undertaken (at the time of monitoring event)	Works undertaken under this Contract on 20 September 2019. <ul style="list-style-type: none"> Electrical and Mechanical Works and Architectural Builders Work and Finishes at Maintenance Depot and Administration Building; Building Structure at Fire Services Department Building and Customs and Excise Department 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"> Apart from exceedance of 1-hr TSP at ASR1 during 10:49-11:49 on 20 September 2019, all 1-hr TSP levels at all monitoring stations were in compliance with the Action and Limit Levels on the same day. With reference to the recorded wind direction (ranged between 2° and 5°, blowing from a northerly direction) and wind speed (ranged between 0.5 and 0.7 m/s) when exceedance recorded, ASR1 is located downstream to the construction works at Maintenance Depot and in vicinity of Administration Building. However, the construction works at Maintenance Depot and Administration Building were Electrical and Mechanical Works and Architectural Builders Work and Finishes which are considered not major dust generating works (refer to attached photos). In addition, other construction activities which located further away included Building Structure at Fire Services Department Building and Customs and Excise Department Building. These construction works are also considered not major dust generating works. <p>Based on the above, the exceedance is unlikely to be due to the Contract.</p>	
Actions Taken / To Be Taken	The Contractor has been reminded to ensure all dust suppression measures are implemented at the site area. The ET will monitor for future trends in exceedances.	

Remarks	The monitoring results on 20 September and locations of air quality monitoring stations are attached.
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Project	Contract	Date (yyyy-mm-dd)	Station	Time (hh:mm, 24 hour)	Parameter	Results	Unit
TMCLKL	HY/2012/08	2019-09-20	AQMS1	08:56	1-hour TSP	125	ug/m3
TMCLKL	HY/2012/08	2019-09-20	AQMS1	09:58	1-hour TSP	116	ug/m3
TMCLKL	HY/2012/08	2019-09-20	AQMS1	11:00	1-hour TSP	112	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR1	08:45	1-hour TSP	220	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR1	09:47	1-hour TSP	214	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR1	10:49	1-hour TSP	539	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR10	08:11	1-hour TSP	107	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR10	09:13	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR10	10:15	1-hour TSP	58	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR5	08:33	1-hour TSP	141	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR5	09:35	1-hour TSP	188	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR5	10:37	1-hour TSP	144	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR6	08:23	1-hour TSP	152	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR6	09:25	1-hour TSP	163	ug/m3
TMCLKL	HY/2012/08	2019-09-20	ASR6	10:27	1-hour TSP	131	ug/m3

Note: Indicates Exceedance of Action Level
Indicates Exceedance of Limit Level

Meteorological Data for Impact Monitoring in the reporting period

Date (dd-mm-yyyy)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Direction(degree)
20-09-2019	0:00	0.5	274
20-09-2019	1:00	0.6	285
20-09-2019	2:00	1.2	291
20-09-2019	3:00	1	288
20-09-2019	4:00	1.1	251
20-09-2019	5:00	0.5	322
20-09-2019	6:00	0.4	288
20-09-2019	7:00	0.3	351
20-09-2019	8:00	0.5	350
20-09-2019	9:00	0.6	347
20-09-2019	10:00	0.7	5
20-09-2019	11:00	0.5	2
20-09-2019	12:00	0.5	347
20-09-2019	13:00	0.3	322
20-09-2019	14:00	0.8	21
20-09-2019	15:00	0.2	24
20-09-2019	16:00	0.1	3
20-09-2019	17:00	0.1	357
20-09-2019	18:00	0.2	344
20-09-2019	19:00	0.3	351
20-09-2019	20:00	0.5	352
20-09-2019	21:00	0.6	287
20-09-2019	22:00	1.1	295
20-09-2019	23:00	0.4	354
20-09-2019	0:00	0.3	305

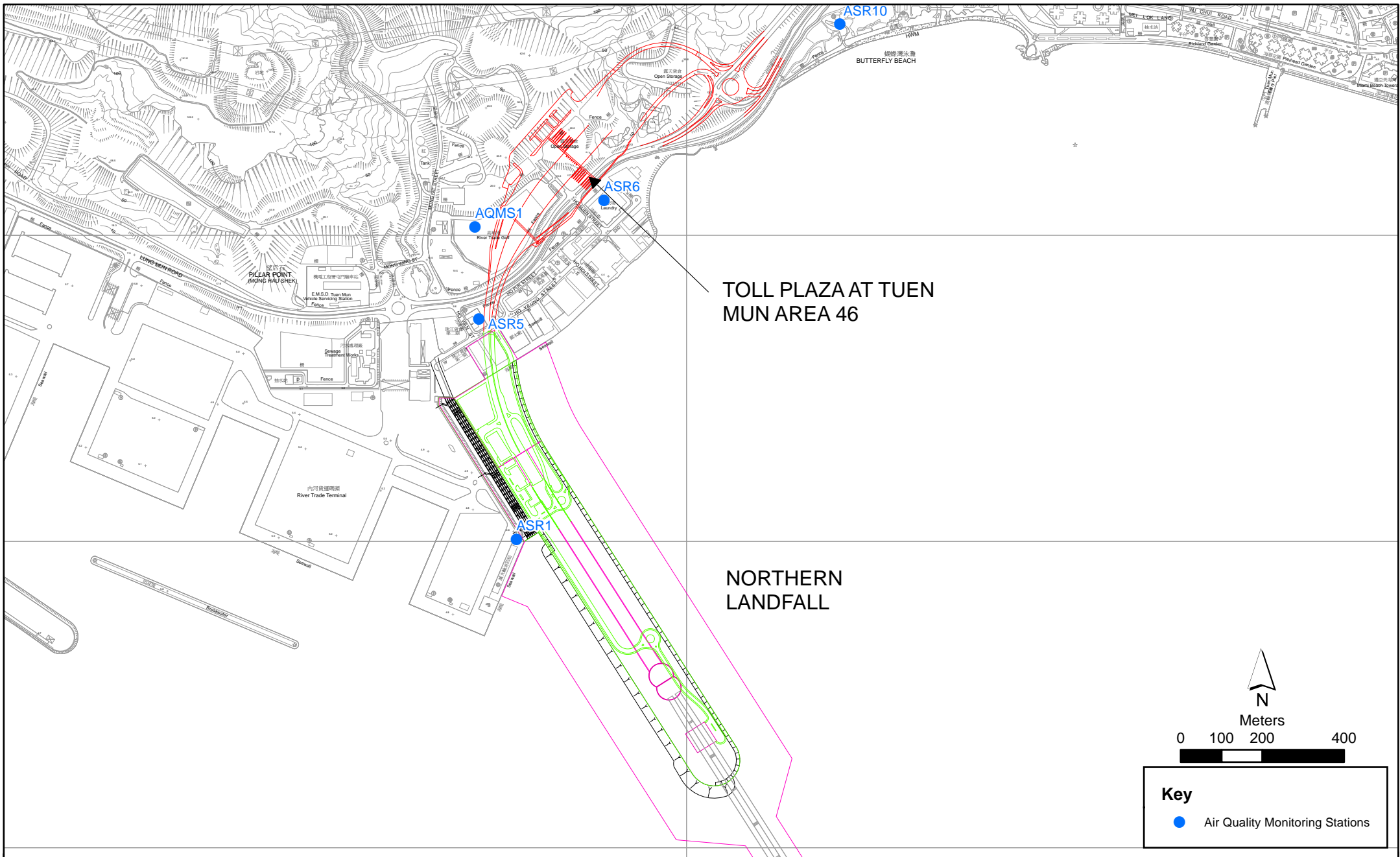


Figure 2.1

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)

Legend

Site Boundary

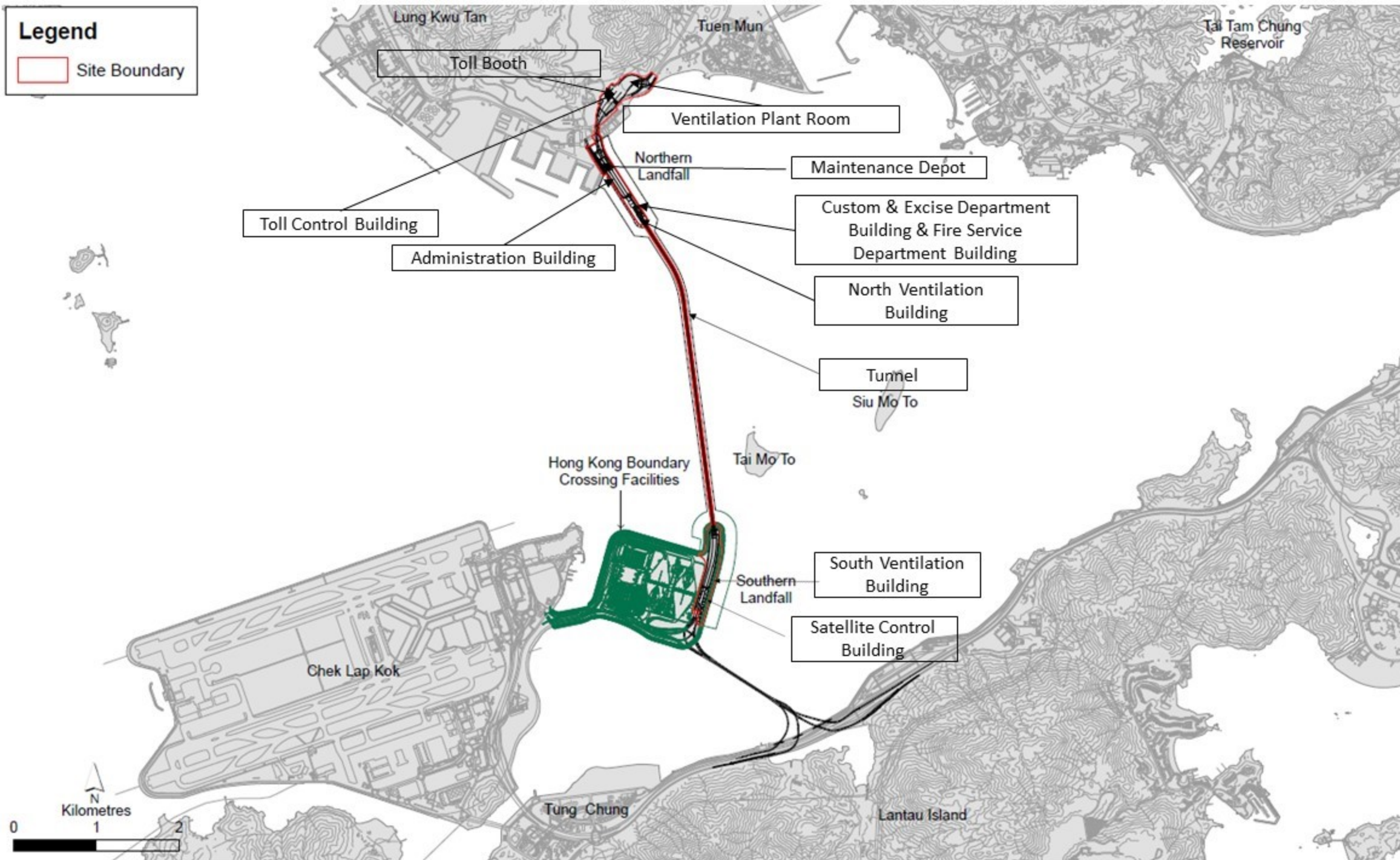




Photo 1 - Construction works at Administration Building



Photo 2 - Construction works at Maintenance Depot