

Appendix G1 Cumulative Statistics on Exceedances

		Total No. recorded in this reporting month	Total No. recorded since project commencement
1-Hr TSP	Action	3	7
	Limit	0	1
24-Hr TSP	Action	0	0
	Limit	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 (September 2018)	0	0	0
Total No. received since project commencement	0	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 October 2018

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
0215660_4 October 2018_1hrTSP_Station ASR1

A total of one (1) exceedance was recorded on 4 October 2018.

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

CONFIDENTIALITY NOTICE

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.



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 style="text-align: center;"><u>Action Level Exceedance</u> 0215660_4 October 2018_1hrTSP_Station ASR1</p> <p style="text-align: center;">[Total No. of Exceedances = 1]</p>	
Date	<p style="text-align: center;">4 October 2018 (Measured) 23 October 2018 (Results obtained from ENPO Website)</p>	
Monitoring Station	ASR1, ASR5, ASR6, ASR10, AQMS1	
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
Limit Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	500
Measured Levels	Refer to the attached data sheet.	
Works Undertaken (at the time of monitoring event)	Works undertaken under this Contract on 4 October 2018 included: <ul style="list-style-type: none"> Socket H-piling at Administration Building. 	
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"> Apart from exceedances of 1 hour TSP (14:11 - 15:11) at ASR1, other 1hr-TSP levels and all 24-hr TSP at all monitoring stations were in compliance with the Action and Limit Levels on the same day. Watering record provided by the Contractor was reviewed. Watering was maintained on unpaved and dry road on 4 October 2018 (<i>refer to Contractor's Photo and watering record</i>). According to ET's site inspection on 5 October 2018, no particular findings was observed at works area near ASR1 (<i>refer to ET's Site Inspection Photo</i>). Unpaved roads were in wet condition. <p>Based on the above, the exceedances are unlikely to be due to the Project.</p>	
Actions Taken/ To Be Taken	The Contractor has been reminded to ensure all dust suppression measures are implemented at the site area including water spraying at unpaved road. The ET will monitor for future trends in exceedances.	
Dust Remarks	The monitoring results on 4 October 2018 and locations of air quality monitoring stations are attached. Works area under this Contract is attached. The attached wind data on 4 October 2018 is sourced from <i>Contract No. HY/2012/08</i> for reference.	

Results of Air Quality Monitoring

Project	Works	Date (yyyy-mm-dd)	Station	Time (hh:mm, 24hour)	Parameter	Results	Unit
TMCLKL	HY/2012/08	2018/10/04	AQMS1	14:22	1-hour TSP	121	ug/m3
TMCLKL	HY/2012/08	2018/10/04	AQMS1	15:24	1-hour TSP	111	ug/m3
TMCLKL	HY/2012/08	2018/10/04	AQMS1	16:25	1-hour TSP	61	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR1	14:11	1-hour TSP	340	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR1	15:13	1-hour TSP	267	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR1	16:15	1-hour TSP	76	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR10	13:35	1-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR10	14:37	1-hour TSP	78	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR10	16:41	1-hour TSP	56	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR5	13:58	1-hour TSP	228	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR5	15:00	1-hour TSP	210	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR5	16:02	1-hour TSP	94	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR6	13:47	1-hour TSP	183	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR6	14:49	1-hour TSP	156	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR6	15:51	1-hour TSP	81	ug/m3
TMCLKL	HY/2012/08	2018/10/04	AQMS1	17:28	24-hour TSP	65	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR1	17:17	24-hour TSP	125	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR10	16:41	24-hour TSP	86	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR5	17:04	24-hour TSP	137	ug/m3
TMCLKL	HY/2012/08	2018/10/04	ASR6	16:53	24-hour TSP	112	ug/m3

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

Meteorological Data for Impact Monitoring in the reporting period*			
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Director (degree)
18/10/04	0:00	0.9	100
18/10/04	1:00	0.4	79
18/10/04	2:00	0.4	98
18/10/04	3:00	0.9	343
18/10/04	4:00	1.3	342
18/10/04	5:00	0.4	340
18/10/04	6:00	1.3	313
18/10/04	7:00	1.3	308
18/10/04	8:00	1.3	319
18/10/04	9:00	1.8	348
18/10/04	10:00	1.8	14
18/10/04	11:00	1.8	341
18/10/04	12:00	1.8	315
18/10/04	13:00	1.8	330
18/10/04	14:00	2.2	283
18/10/04	15:00	2.2	302
18/10/04	16:00	2.2	302
18/10/04	17:00	2.2	281
18/10/04	18:00	1.3	318
18/10/04	19:00	1.8	310
18/10/04	20:00	0.9	306
18/10/04	21:00	0.9	317
18/10/04	22:00	1.3	320
18/10/04	23:00	0.9	311

*Wind data is sourced from Contract No. HY/2012/08 Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section

PHOTO BY CONTRACTOR ON 4 OCTOBER 2018

Photo 1 - Watering of unpaved roads to maintain a wet condition (4 October 2018)



PHOTO BY ET ON 5 OCTOBER 2018

Photo 2 - Unpaved roads were maintained in a wet condition (5 October 2018)

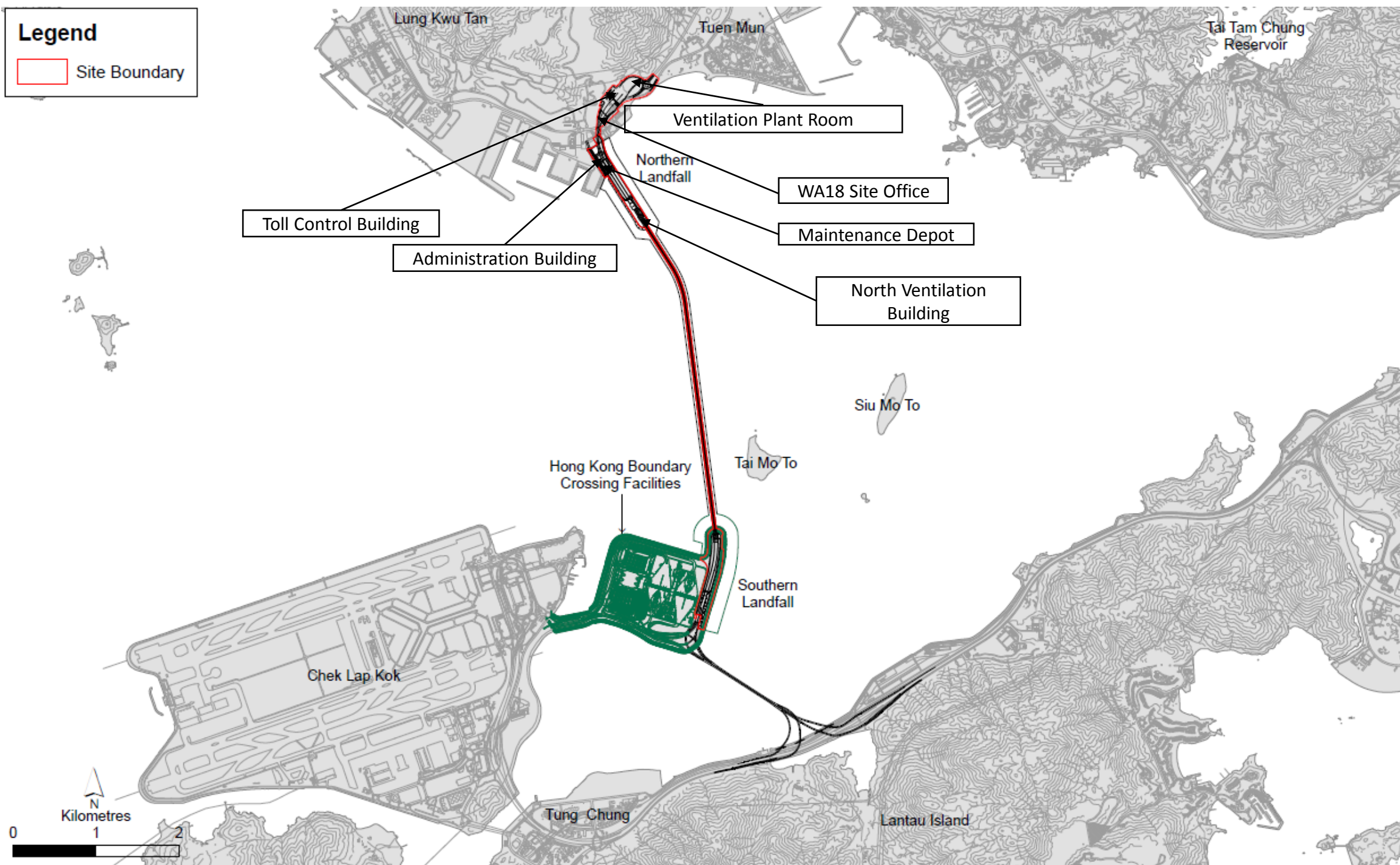


WATERING RECORD ON 4 OCTOBER 2018

Date	Location	
4 th Oct	AdB 8 MD	
Time Period	Watering time	Signature
7-8		
8-9	✓ 8:15	Toby
9-10	✓✓ 9:01 9:47	Toby
10-11	✓ 10:40	Toby
11-12	✓ 11:36	Toby
12-13	✓ 12:56	Toby
13-14	✓✓ 13:30 13:59	Toby
14-15	✓ 14:50	Toby
15-16	✓ 15:48	Toby
16-17	✓ 16:45	Toby
17-18	✓ 18:00	Toby
18-19		

Legend

 Site Boundary



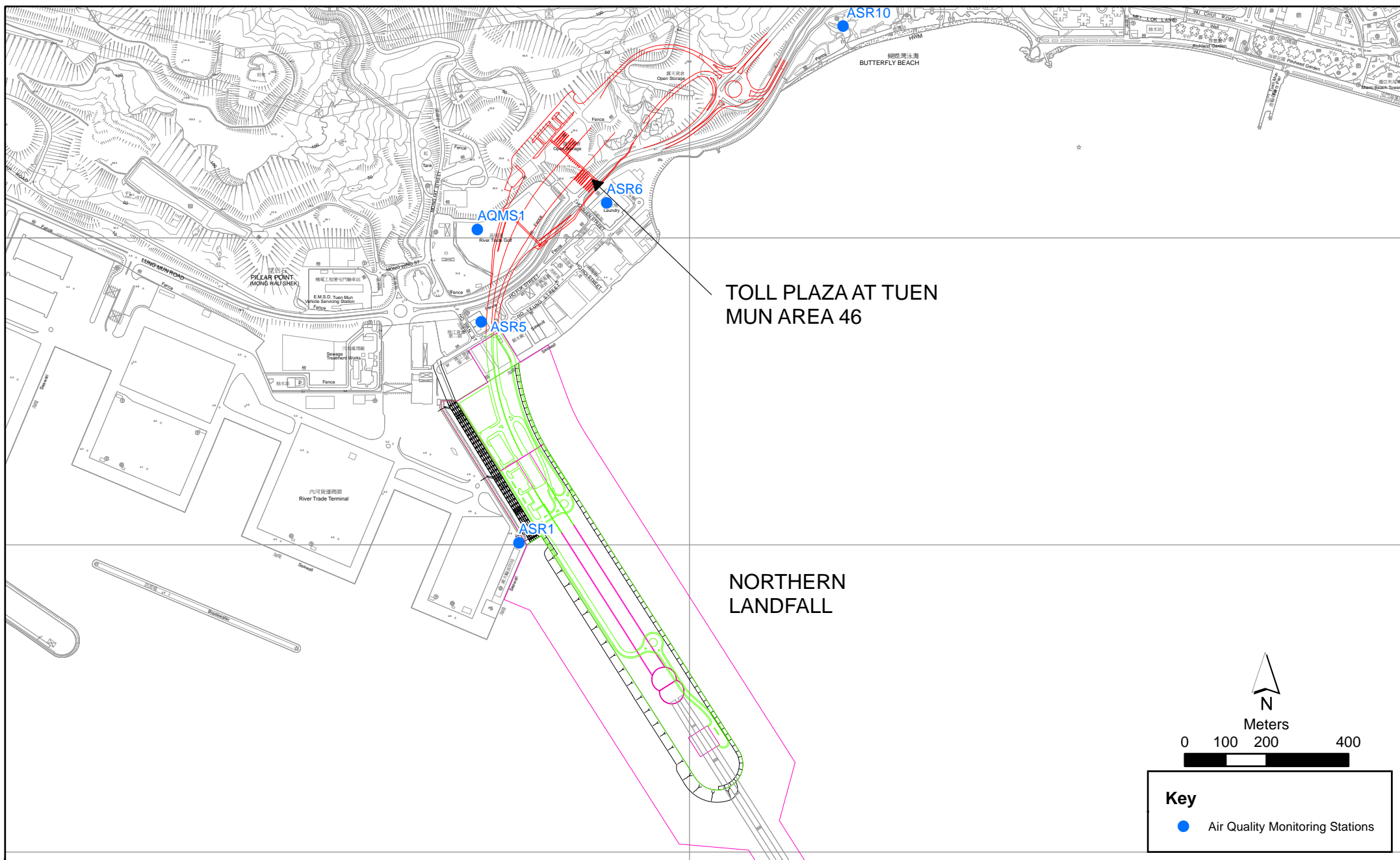


Figure 2.1

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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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 24 October 2018

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_10 October 2018_1hrTSP_Station ASR1

A total of one (1) exceedance was recorded on 10 October 2018.

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.	<p style="text-align: center;"><u>Action Level Exceedance</u> 0463091_10 October 2018_1hrTSP_Station ASR1</p> <p style="text-align: center;">[Total No. of Exceedances = 1]</p>	
Date	<p style="text-align: center;">10 October 2018 (Measured) 24 October 2018 (Results obtained from ENPO Website)</p>	
Monitoring Station	ASR1, ASR5, ASR6, ASR10, AQMS1	
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
Limit Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	500
Measured Levels	Refer to the attached data sheet.	
Works Undertaken (at the time of monitoring event)	Works undertaken under this Contract on 10 October 2018 included: <ul style="list-style-type: none"> Socket H-piling at Administration Building. 	
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"> Apart from exceedances of 1 hour TSP (13:38 - 14:38) at ASR1, other 1hr-TSP levels and all 24-hr TSP at all monitoring stations were in compliance with the Action and Limit Levels on the same day. Watering record provided by the Contractor was reviewed. Watering was maintained on unpaved and dry road on 10 October 2018 (<i>refer to Contractor's Photo and watering record</i>). According to ET's site inspection on 5 and 12 October 2018, no particular findings was observed at the works area near ASR1 (<i>refer to ET's Site Inspection Photo</i>). Unpaved roads at the works area were in wet condition. <p>Based on the above, the exceedances are unlikely to be due to the Project.</p>	
Actions Taken/ To Be Taken	The Contractor has been reminded to ensure all dust suppression measures are implemented at the site area including water spraying at unpaved road. The ET will monitor for future trends in exceedances.	
Dust Remarks	The monitoring results on 10 October 2018 and locations of air quality monitoring stations are attached. Works area under this Contract is attached. The attached wind data on 10 October 2018 is sourced from <i>Contract No. HY/2012/08</i> for reference.	

Results of Air Quality Monitoring

Project	Works	Date (yyyy-mm-dd)	Station	Time (hh:mm, 24hour)	Parameter	Results	Unit
TMCLKL	HY/2012/08	2018/10/10	AQMS1	13:50	1-hour TSP	74	ug/m3
TMCLKL	HY/2012/08	2018/10/10	AQMS1	14:52	1-hour TSP	79	ug/m3
TMCLKL	HY/2012/08	2018/10/10	AQMS1	15:54	1-hour TSP	70	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR1	13:38	1-hour TSP	451	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR1	14:40	1-hour TSP	77	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR1	15:42	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR10	13:04	1-hour TSP	103	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR10	14:06	1-hour TSP	106	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR10	15:08	1-hour TSP	98	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR5	13:26	1-hour TSP	297	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR5	14:28	1-hour TSP	213	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR5	15:30	1-hour TSP	156	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR6	13:15	1-hour TSP	176	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR6	14:17	1-hour TSP	171	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR6	15:19	1-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2018/10/10	AQMS1	16:56	24-hour TSP	47	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR1	16:44	24-hour TSP	75	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR10	16:10	24-hour TSP	47	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR5	16:32	24-hour TSP	114	ug/m3
TMCLKL	HY/2012/08	2018/10/10	ASR6	16:21	24-hour TSP	71	ug/m3

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

Meteorological Data for Impact Monitoring in the reporting period*			
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Director (degree)
18/10/10	0:00	1.8	120
18/10/10	1:00	0.9	81
18/10/10	2:00	0.4	77
18/10/10	3:00	0.0	332
18/10/10	4:00	0.9	328
18/10/10	5:00	0.4	339
18/10/10	6:00	0.4	327
18/10/10	7:00	0.4	335
18/10/10	8:00	0.0	96
18/10/10	9:00	0.9	115
18/10/10	10:00	2.2	123
18/10/10	11:00	2.2	132
18/10/10	12:00	2.2	303
18/10/10	13:00	2.7	318
18/10/10	14:00	4.5	343
18/10/10	15:00	4.5	330
18/10/10	16:00	0.9	288
18/10/10	17:00	0.4	293
18/10/10	18:00	0.9	314
18/10/10	19:00	0.9	184
18/10/10	20:00	0.4	183
18/10/10	21:00	1.8	39
18/10/10	22:00	1.3	35
18/10/10	23:00	0.9	345

*Wind data is sourced from Contract No. HY/2012/08 Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section

PHOTO BY CONTRACTOR ON 10 OCTOBER 2018

Photo 1 - Watering of unpaved roads to maintain a wet condition (10 October 2018)



PHOTO BY ET ON 5 AND 12 OCTOBER 2018

Photo 2 - Unpaved roads were maintained in a wet condition (5 October 2018)



Photo 3 - Unpaved roads were maintained in a wet condition (12 October 2018)

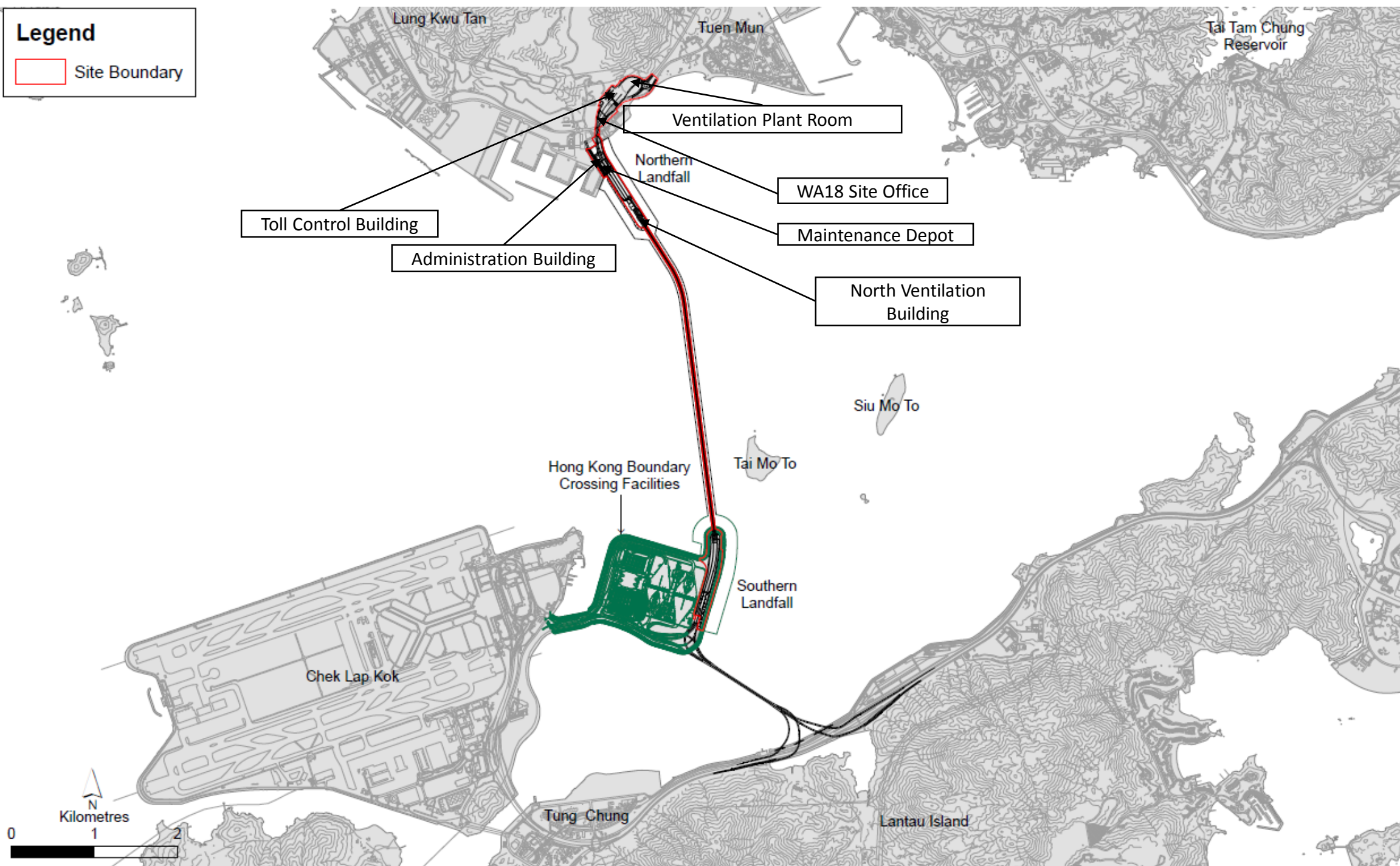


WATERING RECORD ON 10 OCTOBER 2018

	Date	Location		
Time Period	10 th Oct	AUB & MD		
	7-8		Watering Time	Signature
	8-9	✓	8:09	tshy
	9-10	✓	9:15	tshy
	10-11	✓	10:13	tshy
	11-12	✓	11:05	11:55 tshy
	12-13	✓	12:50	tshy
	13-14	✓	13:49	tshy
	14-15	✓	14:20	14:55 tshy
	15-16	✓	15:50	tshy
	16-17	✓	16:50	tshy
	17-18	✓	17:44	tshy
	18-19			

Legend

Site Boundary



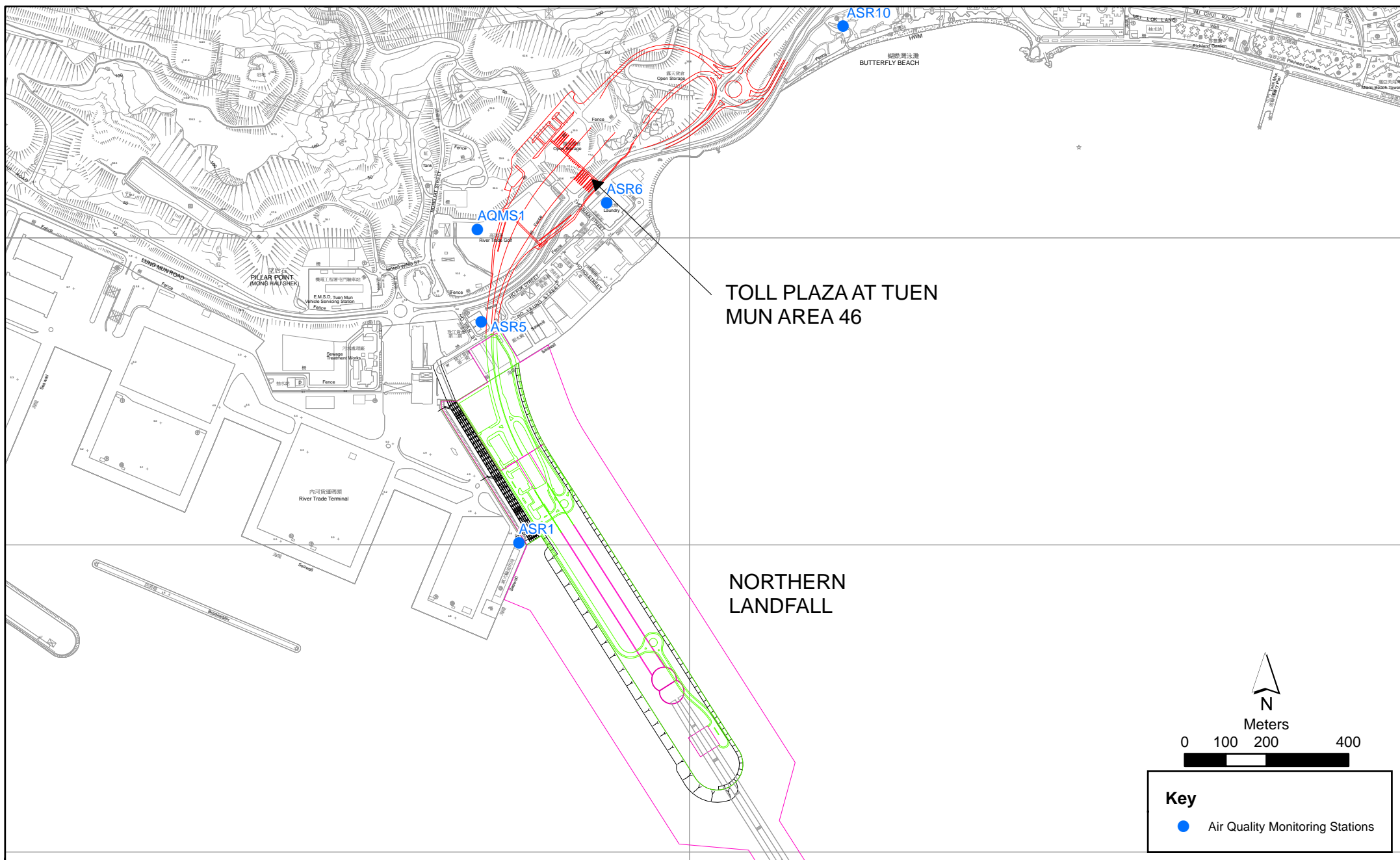


Figure 2.1

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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