

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	3	53
	Limit	1	11
24-Hr TSP	Action	2	4
	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 (November 2020)	0	0	0
Total No. received since contract commencement	1	0	0

Email  
message

Environmental  
Resources  
Management

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

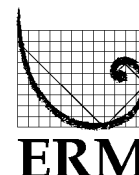
**From** ERM- Hong Kong, Limited

**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** 27 November 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\_2November2020\_24hrTSP\_Station ASR1

One (1) exceedance was recorded on 2 November 2020.

Regards,

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**

<b>Log No.</b>	<u>Action Level Exceedance</u> 0463091_2November2020_24hrTSP_Station ASR1  [Total No. of Exceedances = 1]	
<b>Date</b>	2 November 2020 (Measured) 27 November 2020 (Results obtained from ENPO Website)	
<b>Monitoring Station</b>	ASR1	
<b>Parameter(s) with Exceedance(s)</b>	24 - 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 2 November 2020 included <ul style="list-style-type: none"> <li>Indoor defect works at Customs and Excise Department Building, including wall painting, vinyl sheet floor laying, wall plastering and floor sealer painting.</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 (vary between <math>2^\circ</math> and <math>358^\circ</math> and) and wind speed (ranged between 1.3 and 4.0 m/s), the wind was mainly from north-easterly and north-westerly direction. Haze was observed during the sampling time.</li> <li>Only minor indoor defect works were conducted which are considered not major dust generating works, thus result of 24-hour TSP at ASR1 was unlikely impacted by the works under this project.</li> <li>The construction area under this Contract were paved/covered with vegetation. 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 2 November 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 2/11/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-11-02	ASR10	Hazy	8:02:00	1-hour TSP	85	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR10	Hazy	9:04:00	1-hour TSP	102	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR10	Hazy	10:06:00	1-hour TSP	123	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR6	Hazy	8:13:00	1-hour TSP	184	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR6	Hazy	9:15:00	1-hour TSP	174	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR6	Hazy	10:17:00	1-hour TSP	152	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR5	Hazy	8:24:00	1-hour TSP	283	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR5	Hazy	9:26:00	1-hour TSP	262	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR5	Hazy	10:28:00	1-hour TSP	214	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR1	Hazy	8:37:00	1-hour TSP	249	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR1	Hazy	9:39:00	1-hour TSP	196	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR1	Hazy	10:41:00	1-hour TSP	222	ug/m3
TMCLKL	HY/2012/08	2020-11-02	AQMS1	Hazy	8:48:00	1-hour TSP	109	ug/m3
TMCLKL	HY/2012/08	2020-11-02	AQMS1	Hazy	9:50:00	1-hour TSP	139	ug/m3
TMCLKL	HY/2012/08	2020-11-02	AQMS1	Hazy	10:52:00	1-hour TSP	140	ug/m3
TMCLKL	HY/2012/08	2020-11-02	AQMS1	Hazy	11:54:00	24-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR1	Hazy	11:43:00	24-hour TSP	244	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR10	Hazy	11:08:00	24-hour TSP	108	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR5	Hazy	11:30:00	24-hour TSP	154	ug/m3
TMCLKL	HY/2012/08	2020-11-02	ASR6	Hazy	11:19:00	24-hour TSP	121	ug/m3

Action level exceedance

Limit level exceedance

**Meteorological Data for Impact Monitoring in the reporting period**

<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>
20/11/02	0:00	0.4	19
20/11/02	1:00	0.4	336
20/11/02	2:00	0.4	11
20/11/02	3:00	0.9	349
20/11/02	4:00	0.4	322
20/11/02	5:00	0.4	66
20/11/02	6:00	0.4	34
20/11/02	7:00	0.9	57
20/11/02	8:00	1.8	11
20/11/02	9:00	2.2	25
20/11/02	10:00	2.2	17
20/11/02	11:00	2.2	34
20/11/02	12:00	2.2	30
20/11/02	13:00	2.2	11
20/11/02	14:00	1.8	11
20/11/02	15:00	2.7	324
20/11/02	16:00	2.7	310
20/11/02	17:00	2.2	327
20/11/02	18:00	2.2	343
20/11/02	19:00	2.7	342
20/11/02	20:00	4.5	344
20/11/02	21:00	4.5	328
20/11/02	22:00	4	333
20/11/02	23:00	2.7	337
20/11/03	0:00	1.8	19
20/11/03	1:00	1.3	2
20/11/03	2:00	2.2	332
20/11/03	3:00	2.2	346
20/11/03	4:00	1.8	346
20/11/03	5:00	1.8	339
20/11/03	6:00	2.7	326
20/11/03	7:00	2.2	358
20/11/03	8:00	2.2	27
20/11/03	9:00	2.7	24
20/11/03	10:00	2.7	34
20/11/03	11:00	2.2	22
20/11/03	12:00	1.8	357
20/11/03	13:00	1.8	16
20/11/03	14:00	1.8	1
20/11/03	15:00	1.3	22
20/11/03	16:00	0.9	332
20/11/03	17:00	0.4	89
20/11/03	18:00	1.8	2
20/11/03	19:00	1.3	34
20/11/03	20:00	1.3	33
20/11/03	21:00	1.3	76
20/11/03	22:00	0.9	20
20/11/03	23:00	1.3	12

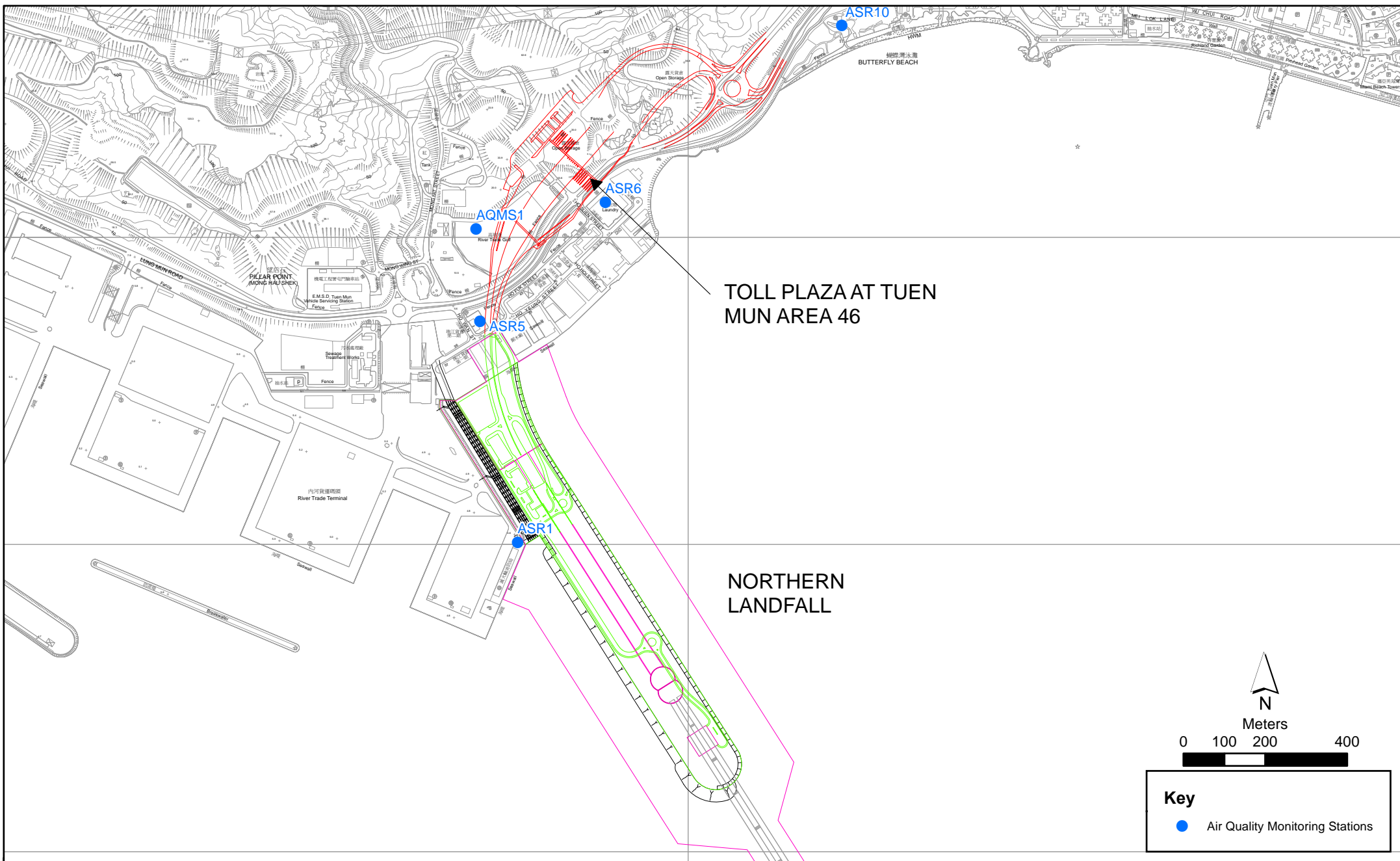


Figure 2.1

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)



Email  
message

**Environmental  
Resources  
Management**

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

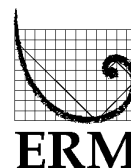
**From** ERM- Hong Kong, Limited

**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** 27 November 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\_6November 2020\_24hrTSP\_Station ASR1

Limit Level Exceedance  
0463091\_6November2020\_1hrTSP\_Station ASR1

Two (2) exceedances were recorded on 6 November 2020.

Regards,

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**

<b>Log No.</b>	<p style="text-align: center;"><u>Action Level Exceedance</u>          0463091_6November 2020_24hrTSP_Station ASR1</p> <p style="text-align: center;"><u>Limit Level Exceedance</u>          0463091_6November2020_1hrTSP_Station ASR1</p> <p style="text-align: center;">[Total No. of Exceedances = 2]</p>	
<b>Date</b>	<p style="text-align: center;">6 November 2020 (Measured)          27 November 2020 (Results obtained from ENPO Website)</p>	
<b>Monitoring Station</b>	<p style="text-align: center;">ASR1</p>	
<b>Parameter(s) with Exceedance(s)</b>	<p style="text-align: center;">1 - hr TSP and 24 - hr TSP</p>	
<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 6 November 2020 included <ul style="list-style-type: none"> <li>Indoor defect works at Customs and Excise Department Building, including wall painting, vinyl sheet floor laying, wall plastering and floor sealer painting.</li> </ul>	
<b>Possible Reason for Action or Limit Level Exceedance(s)</b>	The exceedances are 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 (vary between 13° and 325° and) and wind speed (ranged between 0.4 and 2.7 m/s), the wind was mainly from north-westerly direction and occasionally north-easterly direction. Haze was observed during the sampling time.</li> <li>Only minor defect works were conducted which are considered not major dust generating works, thus results of 1-hour TSP and 24-hour TSP at ASR1 were unlikely impacted by the works under this project.</li> <li>The construction area under this Contract were paved/covered with vegetation. Dust are not anticipated.</li> </ul> Based on the above, the exceedances are unlikely to be due to the Contract.	
<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 6 November 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 6/11/2020								
Project	Contract	Date	Station	Weather	Start time	Parameters	Results	Unit
TMCLKL	HY/2012/08	2020-11-06	ASR10	Hazy	8:00:00	1-hour TSP	89	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR10	Hazy	9:02:00	1-hour TSP	165	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR10	Hazy	10:04:00	1-hour TSP	135	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR6	Hazy	8:13:00	1-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR6	Hazy	9:15:00	1-hour TSP	175	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR6	Hazy	10:17:00	1-hour TSP	180	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR5	Hazy	8:25:00	1-hour TSP	247	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR5	Hazy	9:27:00	1-hour TSP	163	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR5	Hazy	10:29:00	1-hour TSP	229	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR1	Hazy	8:36:00	1-hour TSP	887	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR1	Hazy	9:38:00	1-hour TSP	311	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR1	Hazy	10:40:00	1-hour TSP	237	ug/m3
TMCLKL	HY/2012/08	2020-11-06	AQMS1	Hazy	8:47:00	1-hour TSP	182	ug/m3
TMCLKL	HY/2012/08	2020-11-06	AQMS1	Hazy	9:49:00	1-hour TSP	150	ug/m3
TMCLKL	HY/2012/08	2020-11-06	AQMS1	Hazy	10:51:00	1-hour TSP	222	ug/m3
TMCLKL	HY/2012/08	2020-11-06	AQMS1	Hazy	11:53:00	24-hour TSP	141	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR1	Hazy	11:42:00	24-hour TSP	214	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR10	Hazy	11:06:00	24-hour TSP	120	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR5	Hazy	11:31:00	24-hour TSP	176	ug/m3
TMCLKL	HY/2012/08	2020-11-06	ASR6	Hazy	11:19:00	24-hour TSP	185	ug/m3

Action level exceedance

Limit level exceedance

**Meteorological Data for Impact Monitoring in the reporting period**

<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>
20/11/06	0:00	0.9	45
20/11/06	1:00	0.9	50
20/11/06	2:00	0.9	15
20/11/06	3:00	0.9	70
20/11/06	4:00	0.4	21
20/11/06	5:00	0.4	56
20/11/06	6:00	0.4	54
20/11/06	7:00	0	350
20/11/06	8:00	0.4	54
20/11/06	9:00	2.7	304
20/11/06	10:00	1.3	79
20/11/06	11:00	1.3	111
20/11/06	12:00	1.8	260
20/11/06	13:00	2.7	275
20/11/06	14:00	2.7	273
20/11/06	15:00	2.2	263
20/11/06	16:00	1.3	266
20/11/06	17:00	1.3	286
20/11/06	18:00	0.9	301
20/11/06	19:00	1.8	320
20/11/06	20:00	0.9	310
20/11/06	21:00	0.4	323
20/11/06	22:00	0.9	312
20/11/06	23:00	0.4	321
20/11/07	0:00	0.4	325
20/11/07	1:00	1.8	307
20/11/07	2:00	0.4	105
20/11/07	3:00	0.4	315
20/11/07	4:00	0.9	306
20/11/07	5:00	1.3	315
20/11/07	6:00	1.3	315
20/11/07	7:00	2.2	27
20/11/07	8:00	2.7	30
20/11/07	9:00	2.2	18
20/11/07	10:00	1.8	13
20/11/07	11:00	1.3	307
20/11/07	12:00	1.3	318
20/11/07	13:00	1.3	313
20/11/07	14:00	1.8	262
20/11/07	15:00	1.8	277
20/11/07	16:00	2.7	325
20/11/07	17:00	1.8	307
20/11/07	18:00	0.9	303
20/11/07	19:00	1.8	306
20/11/07	20:00	0.4	130
20/11/07	21:00	0.9	326
20/11/07	22:00	1.3	19
20/11/07	23:00	0.9	20

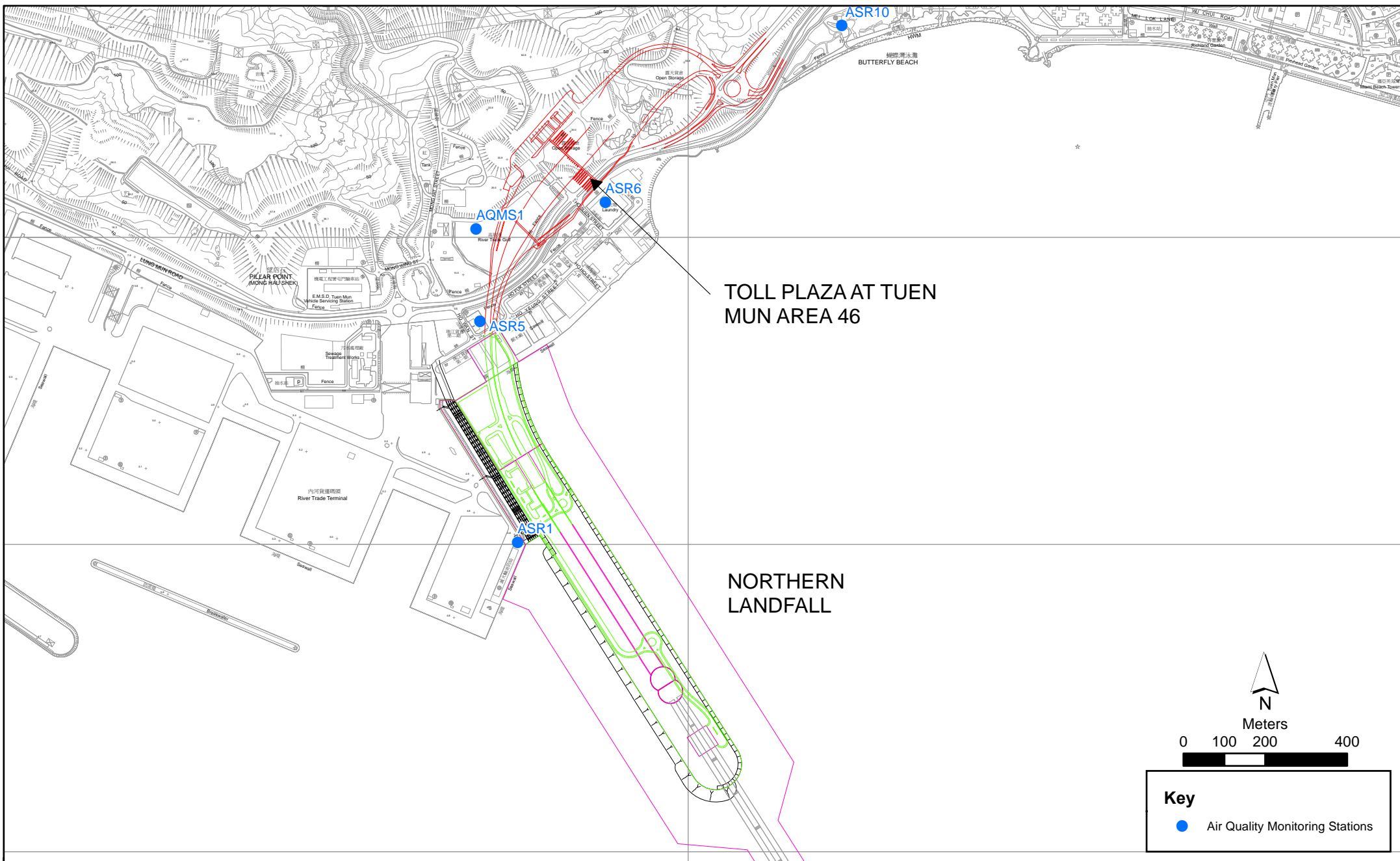


Figure 2.1

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

**Environmental  
 Resources  
 Management**





**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>	<u>Action Level Exceedance</u> 0463091_12November 2020_1hrTSP_Station ASR6 0463091_12November 2020_1hrTSP_Station ASR5 0463091_12November 2020_1hrTSP_Station ASR1  [Total No. of Exceedances = 3]	
<b>Date</b>	12 November 2020 (Measured) 27 November 2020 (Results obtained from ENPO Website)	
<b>Monitoring Station</b>	ASR6, ASR5 and 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 12 November 2020 included <ul style="list-style-type: none"> <li>Indoor defect works at Customs and Excise Department Building, including wall painting, vinyl sheet floor laying, wall plastering and floor sealer painting.</li> </ul>	
<b>Possible Reason for Action or Limit Level Exceedance(s)</b>	The exceedances are 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 (vary between 192° and 228° and) and wind speed (ranged between 1.8 and 2.2 m/s), the wind was mainly from south-westerly direction. Haze was observed during the sampling time.</li> <li>Only minor defect works were conducted which are considered not major dust generating works, thus results of 1-hour TSP at ASR6, ASR5 and ASR1 were unlikely impacted by the works under this project.</li> <li>The construction area under this Contract were paved/covered with vegetation. Dust are not anticipated.</li> </ul> Based on the above, the exceedances are unlikely to be due to the Contract.	
<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 12 November 2020, locations of air quality monitoring stations and wind data are attached (refer to <i>Appendix A</i> ).	