

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	5	35
	Limit	3	7
24-Hr TSP	Action	0	2
	Limit	0	0
Landfill gas hazard monitoring			
• Methane	Action	0	0
	Limit	0	0
• Oxygen	Action	0	0
	Limit	0	0
• Carbon Dioxide	Action	0	0
	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 (November 2019)	0	0	0
Total No. received since contract commencement	1	0	0

Email
message

Environmental
Resources
Management

To Ramboll Hong Kong Limited (ENPO)

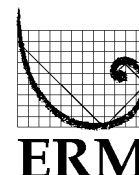
From ERM- Hong Kong, Limited

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 3 December 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.:

Action Level Exceedance

0463091_4November2019_1hrTSP_Station ASR5

Limit Level Exceedance

0463091_4November2019_1hrTSP_Station ASR1

Two (2) exceedances were recorded on 4 November 2019.

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_4November2019_1hrTSP_Station ASR5</p> <p style="text-align: center;"><u>Limit Level Exceedance</u> 0463091_4November2019_1hrTSP_Station ASR1</p> <p style="text-align: center;">[Total No. of Exceedances = 2]</p>	
Date	<p style="text-align: center;">4 November 2019 (Measured) 3 December 2019 (Results obtained from ENPO Website)</p>	
Monitoring Station	<p style="text-align: center;">ASR1 and ASR5</p>	
Parameter(s) with Exceedance(s)	<p style="text-align: center;">1- hr TSP</p>	
Action Levels	<p style="text-align: center;">1-hr TSP ($\mu\text{g}/\text{m}^3$)</p>	<p>ASR1 = 331 ASR5 = 340 ASR6 = 338 ASR10 = 335 AQMS1 = 337</p>
	<p style="text-align: center;">24-hr TSP ($\mu\text{g}/\text{m}^3$)</p>	<p>ASR1 = 213 ASR5 = 238 ASR6 = 238 ASR10 = 214 AQMS1 = 213</p>
Limit Levels	<p style="text-align: center;">1-hr TSP ($\mu\text{g}/\text{m}^3$)</p>	<p style="text-align: center;">500</p>
	<p style="text-align: center;">24-hr TSP ($\mu\text{g}/\text{m}^3$)</p>	<p style="text-align: center;">260</p>
Measured Levels	<p>Refer to the attached data sheet (Data are source from Contract No. HY/2012/08).</p>	
Works Undertaken (at the time of monitoring event)	<p>Works undertaken under this Contract on 4 November 2019 included</p> <ul style="list-style-type: none"> • Electrical and Mechanical Works and Architectural Builders Work and Finishes at Toll Control Building; • Electrical and Mechanical Works at Ventilation Plant Room; • Electrical and Mechanical Works at North Ventilation Building; • Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Administration Building; • Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Maintenance Depot; • 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 at Customs and Excise Department Building; • Electrical and Mechanical Works and Architectural Builder's Work and Finishes at the Tunnel; • Electrical and Mechanical Works and Architectural Builders Work and Finishes at Satellite Control Building; and • Electrical and Mechanical Works at South 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"> • Apart from exceedances of 1-hr TSP at ASR1 during 8:39-9:39 and ASR5 during 8:26-9:26 on 4 November 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 14° and 16°, blowing from a north-easterly direction) and wind speed (2.2 m/s) when exceedances recorded, ASR5 is located downstream to the construction works at Toll Control Building, while ASR1 is located downstream to the construction works at Maintenance Depot and Administration Building. However, the construction works at Toll Control Building, 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. • No major dust generating activities i.e. excavation works was conducted on 4 November 2019. • Dust suppression measures i.e. watering were applied on site nearby Maintenance Depot and Administration Building to prevent dust generation (refer to <i>watering record</i>). • Dust mitigation measures were implemented at Toll Control Building, for example, roads were paved and no debris/ materials were burnt at the works areas. <p>Based on the above, the exceedances are unlikely to be due to the Contract.</p>
Actions Taken / To Be Taken	<p>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.</p>
Remarks	<p>The monitoring results on 4 November 2019 and locations of air quality monitoring stations are attached.</p>

Results of Air Quality Monitoring

Project	Contract	Date (yyyy-mm-dd)	Station	Time	Parameter	Results	Unit
TMCLKL	HY/2012/08	2019-11-04	AQMS1	8:50:00	1-hour TSP	154	ug/m3
TMCLKL	HY/2012/08	2019-11-04	AQMS1	9:52:00	1-hour TSP	147	ug/m3
TMCLKL	HY/2012/08	2019-11-04	AQMS1	10:54:00	1-hour TSP	143	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR1	8:39:00	1-hour TSP	626	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR1	9:41:00	1-hour TSP	264	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR1	10:43:00	1-hour TSP	251	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR10	8:02:00	1-hour TSP	117	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR10	9:04:00	1-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR10	10:06:00	1-hour TSP	105	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR5	8:26:00	1-hour TSP	398	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR5	9:28:00	1-hour TSP	251	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR5	10:30:00	1-hour TSP	242	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR6	8:14:00	1-hour TSP	202	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR6	9:16:00	1-hour TSP	174	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR6	10:18:00	1-hour TSP	169	ug/m3
TMCLKL	HY/2012/08	2019-11-04	AQMS1	11:56:00	24-hour TSP	80	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR1	11:45:00	24-hour TSP	141	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR10	11:08:00	24-hour TSP	70	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR5	11:32:00	24-hour TSP	146	ug/m3
TMCLKL	HY/2012/08	2019-11-04	ASR6	11:20:00	24-hour TSP	106	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 Direction(degree)
19/11/04	0:00	1.3	342
19/11/04	1:00	1.8	17
19/11/04	2:00	2.7	341
19/11/04	3:00	3.1	359
19/11/04	4:00	3.6	3
19/11/04	5:00	3.6	4
19/11/04	6:00	1.8	14
19/11/04	7:00	1.3	342
19/11/04	8:00	2.2	16
19/11/04	9:00	2.2	14
19/11/04	10:00	1.8	12
19/11/04	11:00	2.2	30
19/11/04	12:00	1.8	23
19/11/04	13:00	1.8	16
19/11/04	14:00	1.3	18
19/11/04	15:00	1.3	25
19/11/04	16:00	1.8	347
19/11/04	17:00	1.8	332
19/11/04	18:00	1.8	313
19/11/04	19:00	0.9	326
19/11/04	20:00	0.4	324
19/11/04	21:00	0.4	320
19/11/04	22:00	0.9	328
19/11/04	23:00	1.8	343

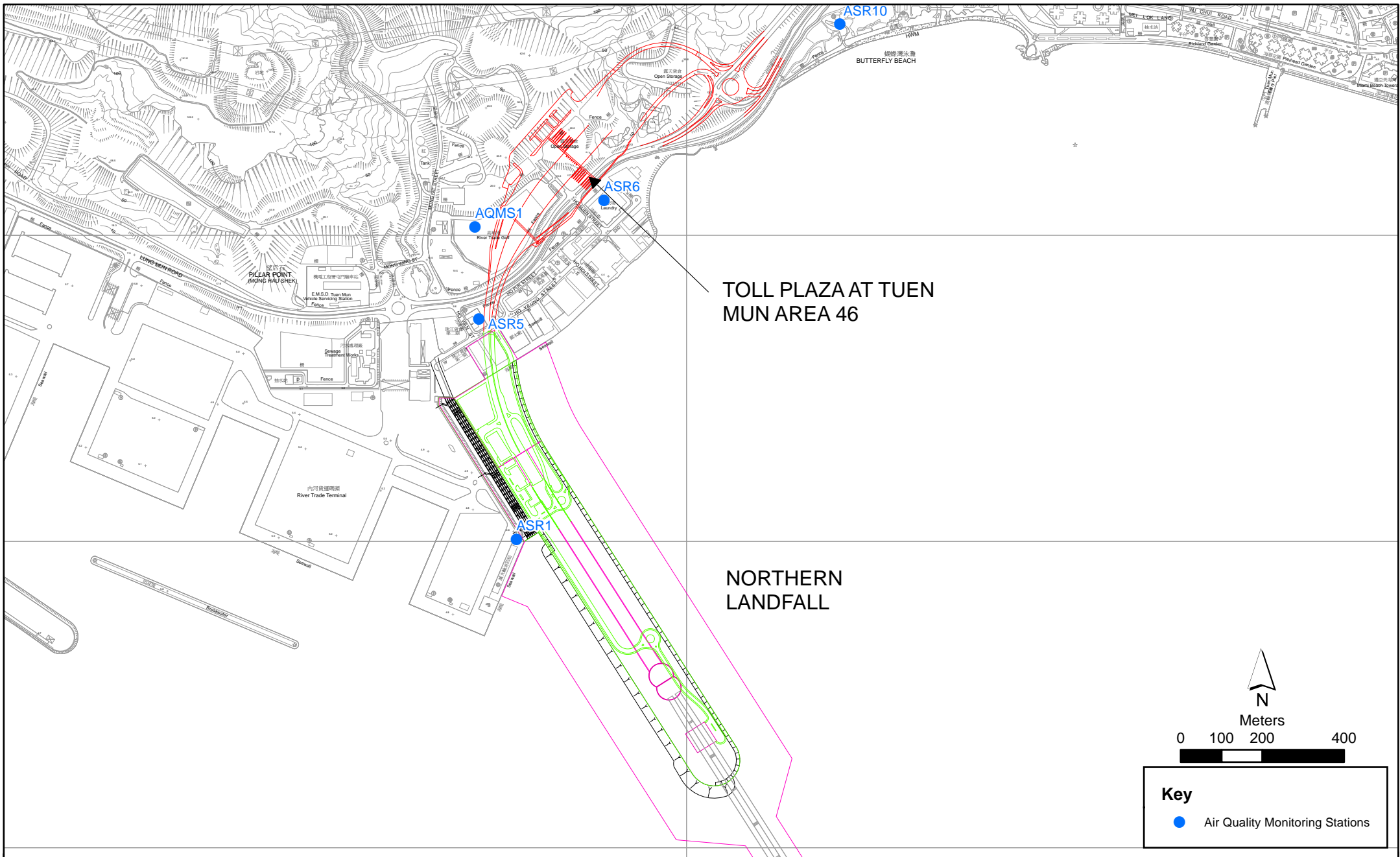


Figure 2.1

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

