

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 | 2 | 23 |
| | Limit | 0 | 2 |
| 24-Hr TSP | Action | 0 | 1 |
| | 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 (March 2018) | 0 | 0 | 0 |
| Total No. received since contract commencement | 0 | 0 | 0 |

Email
message

**Environmental
Resources
Management**

To Ramboll Hong Kong Limited (ENPO)

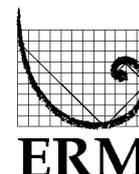
From ERM- Hong Kong, Limited

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 4 April 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_27March2019_1hrTSP_Station ASR1

One (1) exceedance was recorded on 27 March 2019.

Regards,

A handwritten signature in blue ink that reads "Jasmine". The signature is written in a cursive, flowing style.

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. | <u>Action Level Exceedance</u> 0463091_27March2019_1hrTSP_Station ASR1 [Total No. of Exceedances = 1] | |
| Date | 27 March 2019 (Measured) 4 April 2019 (Results obtained from ENPO Website) | |
| 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 27 March 2019 included: <ul style="list-style-type: none"> ▪ Building structure at Administration Building and Maintenance Depot (<i>refer to Contractor's photo</i>) | |
| Possible Reason for Action or Limit Level Exceedance(s) | <p>The exceedances are 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 13:33-14:33 on 27 March 2019, all 1hr-TSP levels and other 24-hr TSP levels 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 27 March 2019 (<i>refer to Contractor's Photo and watering record</i>). • Recorded wind speed during the works period was zero. Dust generated from the construction works, if any, will be localized within the site area and was not likely to be dispersed to station ASR1. <p>Based on the above, the exceedances are 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 including water spraying at unpaved road. The ET will monitor for future trends in exceedances. | |
| Remarks | The monitoring results on 27 March 2019 and locations of air quality monitoring stations are attached. The location of the works area under this Contract is attached. The attached wind data on 27 March 2019 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 | 2019-03-27 | AQMS1 | 13:44 | 1-hour TSP | 136 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | AQMS1 | 14:46 | 1-hour TSP | 165 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | AQMS1 | 15:48 | 1-hour TSP | 114 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR1 | 13:33 | 1-hour TSP | 412 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR1 | 14:35 | 1-hour TSP | 213 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR1 | 15:37 | 1-hour TSP | 274 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR10 | 13:01 | 1-hour TSP | 86 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR10 | 14:03 | 1-hour TSP | 43 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR10 | 15:05 | 1-hour TSP | 51 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR5 | 13:22 | 1-hour TSP | 121 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR5 | 14:24 | 1-hour TSP | 93 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR5 | 15:26 | 1-hour TSP | 102 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR6 | 13:11 | 1-hour TSP | 110 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR6 | 14:13 | 1-hour TSP | 88 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR6 | 15:15 | 1-hour TSP | 76 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | AQMS1 | 16:50 | 24-hour TSP | 67 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR1 | 16:39 | 24-hour TSP | 129 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR10 | 16:07 | 24-hour TSP | 48 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR5 | 16:28 | 24-hour TSP | 108 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-27 | ASR6 | 16:17 | 24-hour TSP | 73 | ug/m3 |

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

PHOTO BY CONTRACTOR ON 27 MARCH 2019

Photo 1 - Building structure was conducted at works area of Administration Building and Maintenance Depot



Photo 2- Watering of unpaved roads near Administration Building and Maintenance Depot



WATERING RECORD ON 27 MARCH 2019

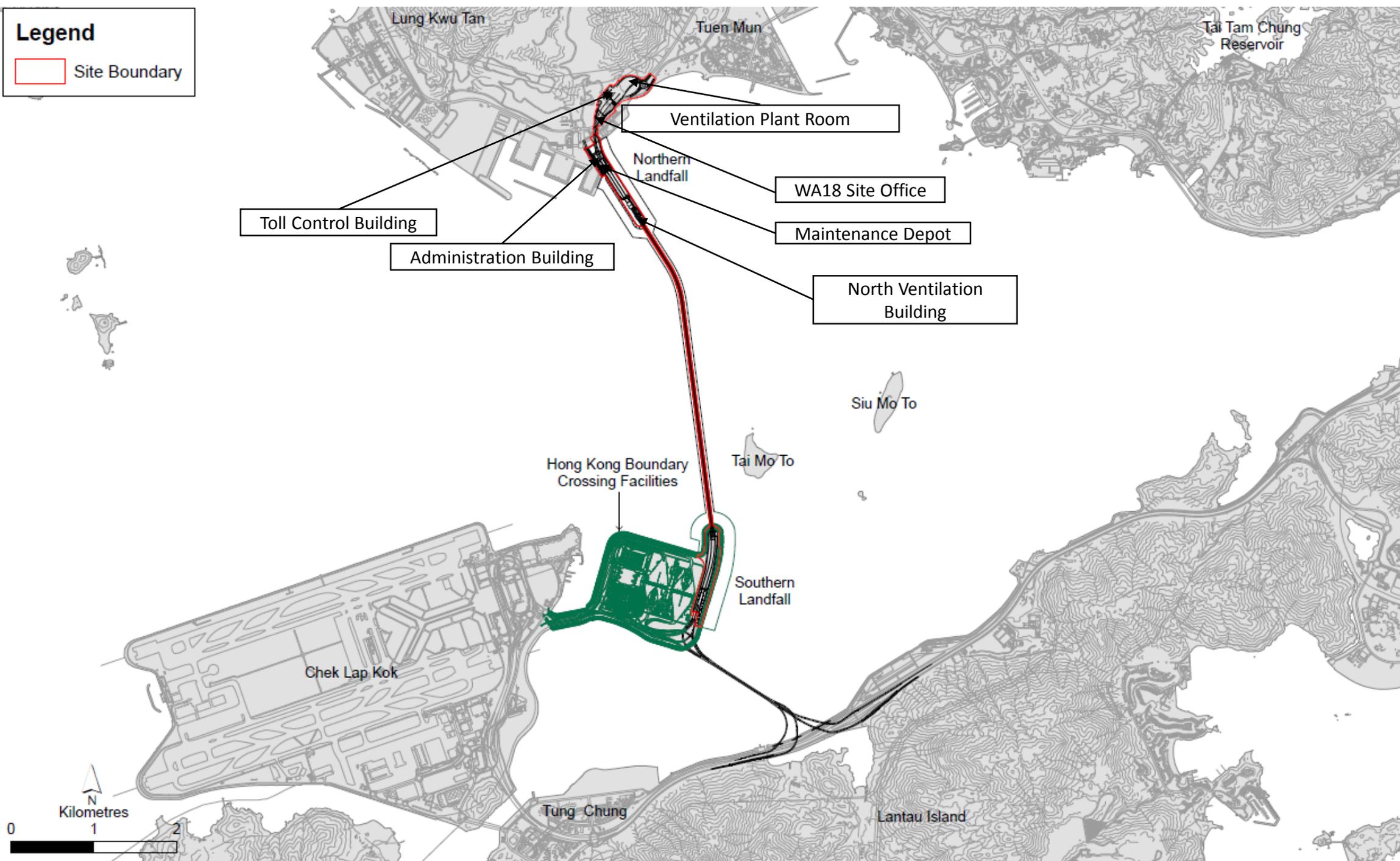
| 27 th Mar | | Location: AAB & MD | |
|----------------------|----|-----------------------|------|
| Period | | Time | Sign |
| 7-8 | | | |
| 8-9 | / | 8:07 | Man |
| 9-10 | // | 9:34 9:58 | Man |
| 10-11 | / | 10:41 | Man |
| 11-12 | / | 11:38 | Man |
| 12-13 | / | 12:50 | Man |
| 13-14 | / | 13:21 | Man |
| 14-15 | // | 14:03 14:44 | Man |
| 15-16 | / | 15:36 | Man |
| 16-17 | / | 16:21 | Man |
| 17-18 | / | 17:40 | Man |
| 18-19 | | | |

| 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) |
| 19/03/27 | 0:00 | 0.4 | 95 |
| 19/03/27 | 1:00 | 0 | - |
| 19/03/27 | 2:00 | 0.4 | 68 |
| 19/03/27 | 3:00 | 0 | - |
| 19/03/27 | 4:00 | 0 | - |
| 19/03/27 | 5:00 | 0 | - |
| 19/03/27 | 6:00 | 0 | - |
| 19/03/27 | 7:00 | 1.3 | 96 |
| 19/03/27 | 8:00 | 1.3 | 101 |
| 19/03/27 | 9:00 | 0 | - |
| 19/03/27 | 10:00 | 0.4 | 109 |
| 19/03/27 | 11:00 | 0 | - |
| 19/03/27 | 12:00 | 0 | - |
| 19/03/27 | 13:00 | 0 | - |
| 19/03/27 | 14:00 | 0 | - |
| 19/03/27 | 15:00 | 0 | - |
| 19/03/27 | 16:00 | 0 | - |
| 19/03/27 | 17:00 | 0 | - |
| 19/03/27 | 18:00 | 0 | - |
| 19/03/27 | 19:00 | 0 | - |
| 19/03/27 | 20:00 | 0 | - |
| 19/03/27 | 21:00 | 0 | - |
| 19/03/27 | 22:00 | 0 | - |
| 19/03/27 | 23:00 | 0 | - |

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

Legend

 Site Boundary



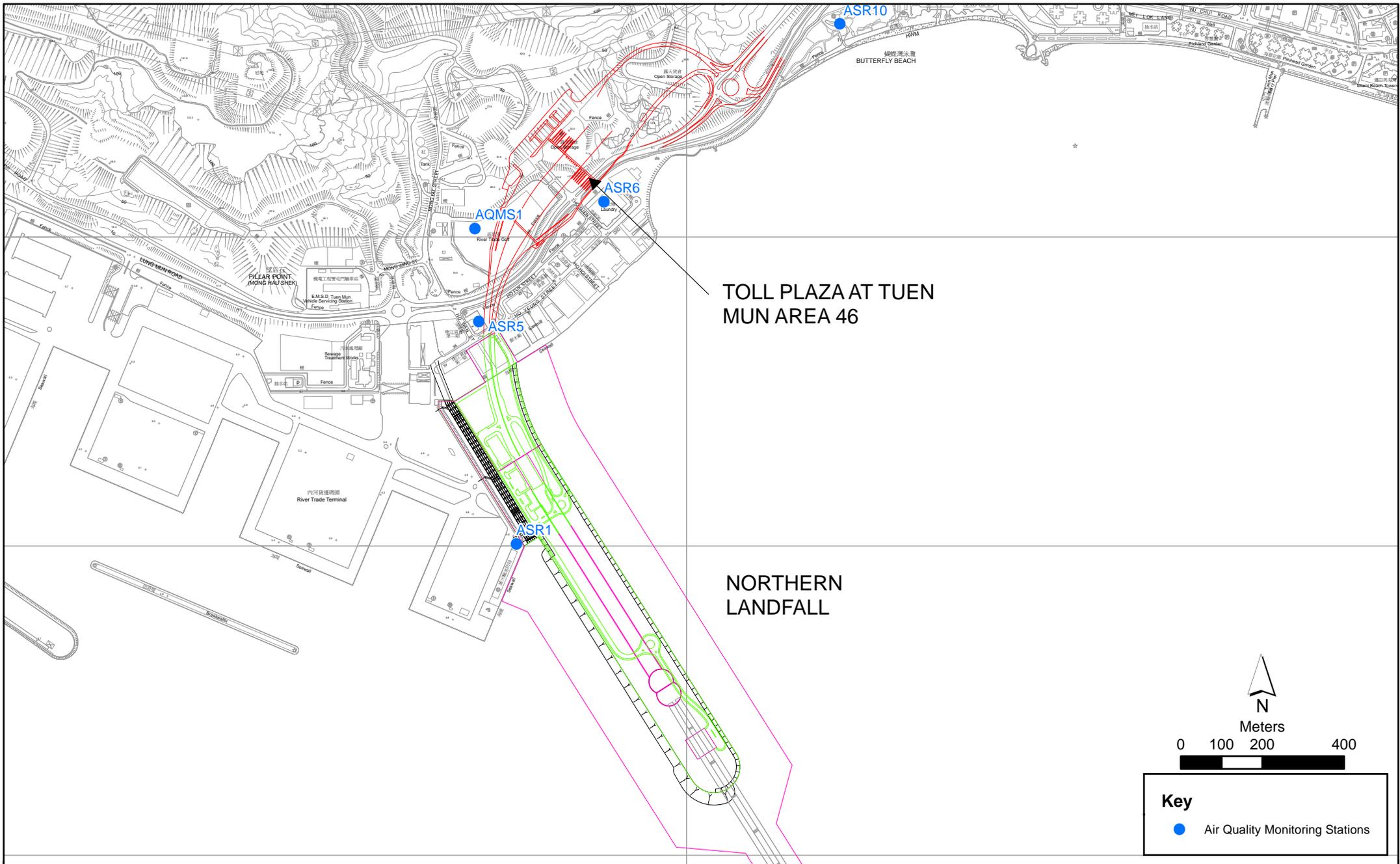


Figure 2.1

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)

Email
message

Environmental
Resources
Management

To Ramboll Hong Kong Limited (ENPO)

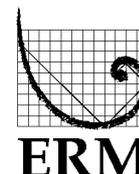
From ERM- Hong Kong, Limited

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 9 April 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_30March2019_1hrTSP_Station ASR1

One (1) exceedance was recorded on 30 March 2019.

Regards,

A handwritten signature in blue ink that reads "Jasmine". The signature is written in a cursive, flowing style.

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. | <u>Action Level Exceedance</u> 0463091_30March2019_1hrTSP_Station ASR1 [Total No. of Exceedances = 1] | |
| Date | 30 March 2019 (Measured) 9 April 2019 (Results obtained from ENPO Website) | |
| 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 30 March 2019 included: <ul style="list-style-type: none"> ▪ Building structure at Administration Building and Maintenance Depot (<i>refer to Contractor's photo</i>) | |
| Possible Reason for Action or Limit Level Exceedance(s) | <p>The exceedances are 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 10:48-11:48 on 30 March 2019, all 1hr-TSP levels and other 24-hr TSP levels 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 30 March 2019 (<i>refer to Contractor's Photo and watering record</i>). • With reference to the recorded wind direction (ranged between 110° and 114°, blowing from an easterly direction) during the works period, no works area under this contract is located upstream of Station ASR1. <p>Based on the above, the exceedances are 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 including water spraying at unpaved road. The ET will monitor for future trends in exceedances. | |
| Remarks | The monitoring results on 30 March 2019 and locations of air quality monitoring stations are attached. The location of the works area under this Contract is attached. The attached wind data on 30 March 2019 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 | 2019-03-30 | AQMS1 | 8:55 | 1-hour TSP | 56 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | AQMS1 | 9:57 | 1-hour TSP | 128 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | AQMS1 | 10:59 | 1-hour TSP | 165 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR1 | 8:44 | 1-hour TSP | 34 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR1 | 9:46 | 1-hour TSP | 122 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR1 | 10:48 | 1-hour TSP | 374 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR10 | 8:10 | 1-hour TSP | 51 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR10 | 9:12 | 1-hour TSP | 32 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR10 | 10:14 | 1-hour TSP | 56 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR5 | 8:32 | 1-hour TSP | 142 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR5 | 9:34 | 1-hour TSP | 192 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR5 | 10:36 | 1-hour TSP | 121 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR6 | 8:20 | 1-hour TSP | 86 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR6 | 9:22 | 1-hour TSP | 124 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR6 | 10:24 | 1-hour TSP | 92 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | AQMS1 | 12:01 | 24-hour TSP | 64 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR1 | 11:50 | 24-hour TSP | 186 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR10 | 11:16 | 24-hour TSP | 52 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR5 | 11:38 | 24-hour TSP | 69 | ug/m3 |
| TMCLKL | HY/2012/08 | 2019-03-30 | ASR6 | 11:26 | 24-hour TSP | 66 | ug/m3 |

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

PHOTO BY CONTRACTOR ON 30 MARCH 2019

Photo 1 - Building structure was conducted at works area of Administration Building and Maintenance



Photo 2- Watering of unpaved roads near Administration Building and Maintenance Depot



WATERING RECORD ON 27 MARCH 2019

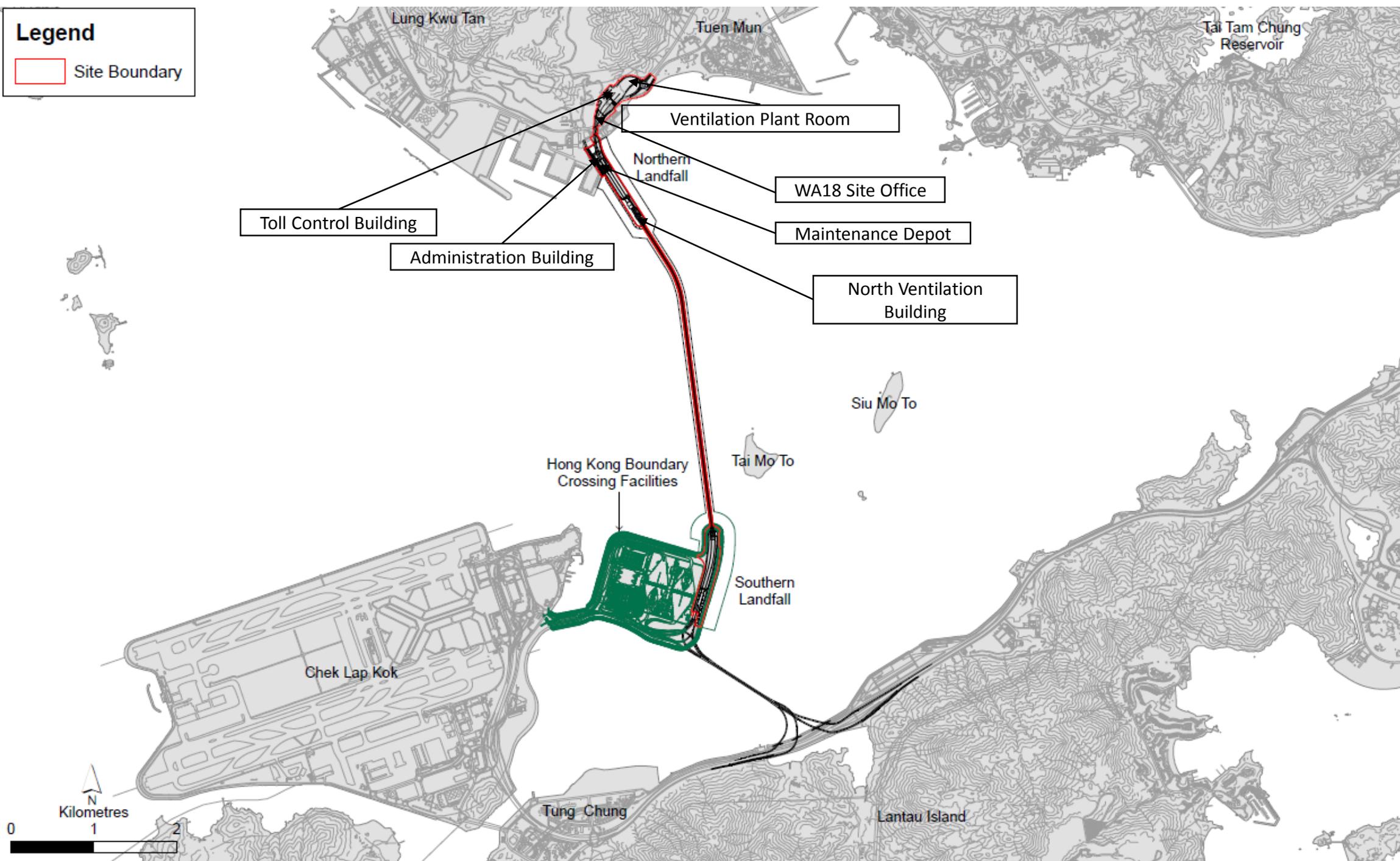
| 30 th Mar | | Location | |
|----------------------|----|-------------|------|
| Period | | Time | Sign |
| 7-8 | / | 7:56 | Alan |
| 8-9 | / | 8:41 | Alan |
| 9-10 | / | 9:36 | Alan |
| 10-11 | / | 10:27 | Alan |
| 11-12 | / | 11:31 | Alan |
| 12-13 | / | 12:09 | Alan |
| 13-14 | // | 13:04 13:49 | Alan |
| 14-15 | / | 14:42 | Alan |
| 15-16 | / | 15:33 | Alan |
| 16-17 | / | 16:13 | Alan |
| 17-18 | / | 17:06 | Alan |
| 18-19 | | | |

| 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) |
| 19/03/30 | 0:00 | 0 | - |
| 19/03/30 | 1:00 | 0 | - |
| 19/03/30 | 2:00 | 0 | - |
| 19/03/30 | 3:00 | 0 | - |
| 19/03/30 | 4:00 | 0 | - |
| 19/03/30 | 5:00 | 0 | - |
| 19/03/30 | 6:00 | 0 | - |
| 19/03/30 | 7:00 | 0 | - |
| 19/03/30 | 8:00 | 0 | - |
| 19/03/30 | 9:00 | 0 | - |
| 19/03/30 | 10:00 | 1.8 | 110 |
| 19/03/30 | 11:00 | 1.8 | 114 |
| 19/03/30 | 12:00 | 0.9 | 119 |
| 19/03/30 | 13:00 | 2.2 | 105 |
| 19/03/30 | 14:00 | 0.9 | 113 |
| 19/03/30 | 15:00 | 2.7 | 108 |
| 19/03/30 | 16:00 | 2.7 | 109 |
| 19/03/30 | 17:00 | 2.2 | 103 |
| 19/03/30 | 18:00 | 1.8 | 121 |
| 19/03/30 | 19:00 | 1.3 | 120 |
| 19/03/30 | 20:00 | 0 | - |
| 19/03/30 | 21:00 | 0.4 | 101 |
| 19/03/30 | 22:00 | 0.4 | 83 |
| 19/03/30 | 23:00 | 0.4 | 81 |

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

Legend

 Site Boundary



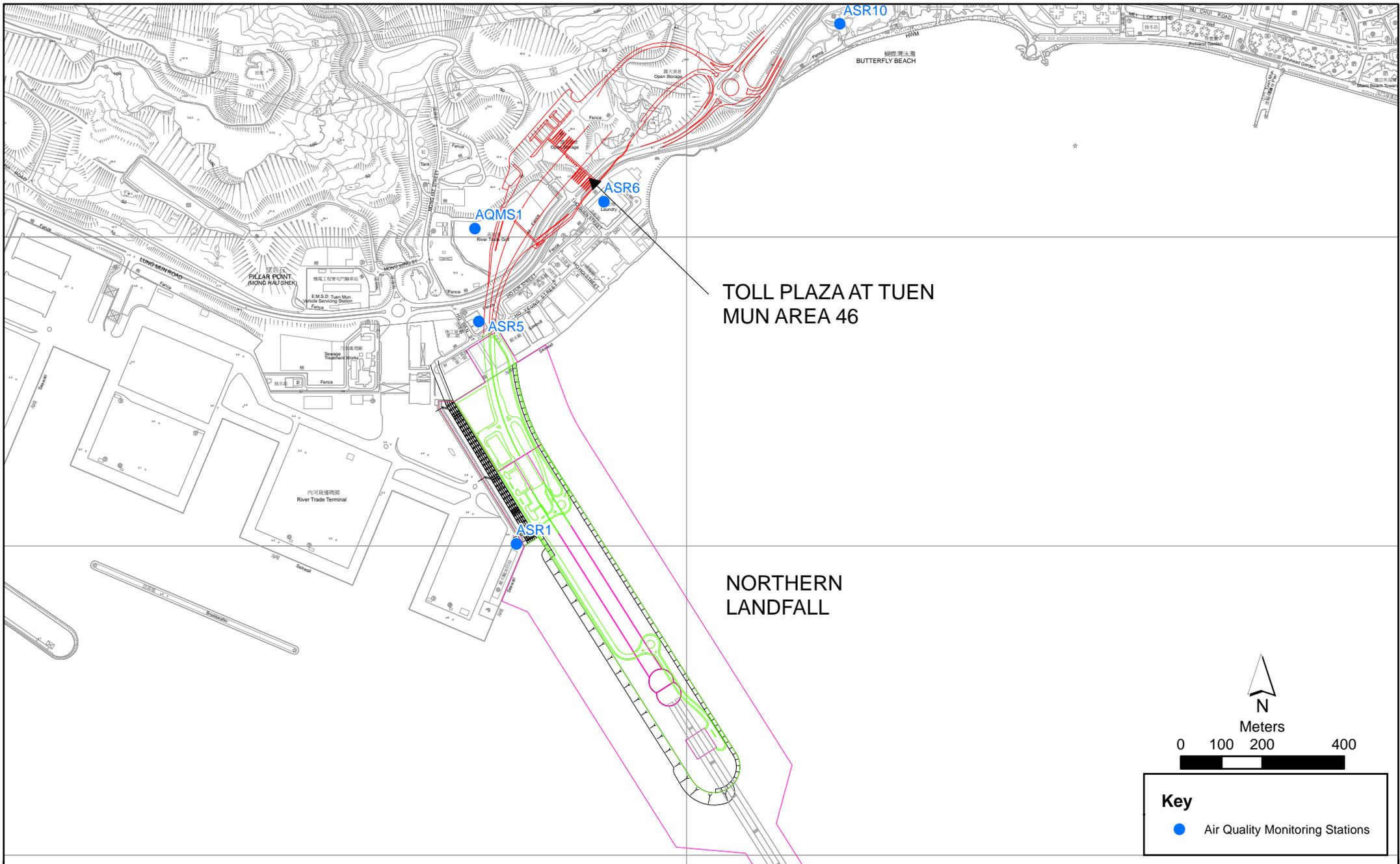


Figure 2.1

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)