

Appendix L Cumulative Statistics on Exceedances

		Total No. recorded in this reporting month	Total No. recorded since project commencement
1-Hr TSP	Action	2	21
	Limit	0	2
24-Hr TSP	Action	0	5
	Limit	0	1
Water Quality	Action	0	5
	Limit	0	0
Impact Dolphin Monitoring	Action	1	1
	Limit	0	0

Table Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (Feb 2014)	0	0	0
Total No. received since project commencement	0	0	0

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To ENVIRON - Hong Kong, Limited (ENPO)

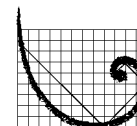
From ERM- Hong Kong, Limited

Ref/Project number Contract No. HY/2012/08 Tuen Mun-Chek Lap
Kok Link-Northern Connection Sub-sea Tunnel
Section

Subject Notification of Exceedance for Air Quality
Impact Monitoring

Date 20 February 2014

16/F DCH Commercial Centre,
25 Westlands Road
Quarry Bay, Hong Kong
Telephone: (852) 2271 3113
Facsimile: (852) 2723 5660
E-mail: jovy.tam@erm.com



ERM

Dear Sir or Madam,

Please find attached the Notification of Exceedance (NOE) of the following
Log no.:

0212330_12February2014_1hrTSP_Station ASR6

A total of one Action Level Exceedance was recorded on 12 February 2014.

Regards,

A handwritten signature in black ink, appearing to be 'Jovy Tam'.

Mr Jovy Tam
Environmental Team Leader

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ERM-Hong Kong, Limited

**CONTRACT NO. HY/2012/08
TUEN MUN – CHEK LAP KOK LINK –
NORTHERN CONNECTION SUB-SEA TUNNEL SECTION**

**Air Quality Impact Monitoring
Notification of Exceedance**

Log No.	0212330_12February2014_1hrTSP_Station ASR6 [Total No. of Exceedances = 1]	
Date	12 February 2014 (Measured) 19 February 2014 (Laboratory results received by ERM)	
Monitoring Station	ASR6	
Parameter(s) with Exceedance(s)	1-hr TSP	
Action Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR6 = 338
	24-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR6 = 238
Limit Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	500
	24-hr TSP ($\mu\text{g}/\text{m}^3$)	260
Measured Levels	Action Level Exceedance on 1-hr TSP is observed at ASR6 ($361 \mu\text{g}/\text{m}^3$) during 1415 - 1515 hrs.	
Works Undertaken (at the time of monitoring event)	On 12 February 2014, marine dredging works were carried out by one dredger Crown Asia 1 at Portion N-B. At the time of monitoring during 1415 to 1515 hrs, land-based works were undertaken at Site WA-18 for the construction of site office and substation, and at Portion N6 for the construction of CLP power station.	
Possible Reason for Action or Limit Level Exceedance(s)	<p>The exceedance(s) are unlikely to be due to the Project, in view of the following:</p> <ul style="list-style-type: none"> • Considering the relatively higher levels of 1-hour TSP between 1400 and 1600 hrs at all monitoring stations, it is probably unlikely that the level of land-based construction works under this Contract can cause increase in 1-hour TSP of this magnitude and scale. It is considered that the observed exceedance for 1-hour TSP at ASR6 may represent sporadic event associated with traffic emissions and anthropogenic activities during afternoon rush hour at Lung Mun Road and River Trade Terminal. • According to the construction diary provided by the Contractor, the majority of construction works on 12 February 2014 were marine-based with the dredging works being undertaken by one dredger (Crown Asia 1) at Portion N-B, whilst only minor land-based construction works, including construction of site office and substation at WA-18 and the construction of CLP power station at Portion N6. All land-based constructions at WA-18 and Portion N6 were considered to have minor effect on dust generation. • Whilst exceedance of Action Level were observed at ASR6, the average 1-hr TSP levels at the monitoring station ($ASR6 = 242 \mu\text{g}/\text{m}^3$) on 12 February 2014 were in compliance with the Action and Limit Levels. The 1-hr TSP at ASR6 returned to level below the Action/Limit Levels on the same day. • Same level and extent of construction works were carried out at the same works area on 5th February while no exceedance was recorded. • As stated in the EIA report (Section 4.7.9.6), the operating chimneys of Butterfly Beach Laundry (i.e. at ASR6) is identified as one of the point emission source in Tuen Mun, thus the observed exceedance appear to be contributed largely by the stack emission from the Butterfly Beach Laundry rather than causing by the construction works of the Project. 	
Actions Taken/ To Be Taken	The Contractor was reminded to ensure all dust mitigating measures are provided at WA 18 and Portion N6. The ET will monitor for future trends in exceedances.	

Remarks	The monitoring results, the locations of air quality monitoring stations, and construction works schedule are attached. Note wind data is not available due to power failure between 4 and 14 February 2014.
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To ENVIRON - Hong Kong, Limited (ENPO)

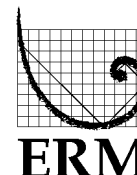
From ERM- Hong Kong, Limited

Ref/Project number Contract No. HY/2012/08 Tuen Mun-Chek Lap
Kok Link-Northern Connection Sub-sea Tunnel
Section

Subject Notification of Exceedance for Air Quality
Impact Monitoring

Date 25 February 2014

16/F DCH Commercial Centre,
25 Westlands Road
Quarry Bay, Hong Kong
Telephone: (852) 2271 3113
Facsimile: (852) 2723 5660
E-mail: jovy.tam@erm.com



Dear Sir or Madam,

Please find attached the Notification of Exceedance (NOE) of the following
Log no.:

0212330_18February2014_1hrTSP_Station AQMS1

A total of one Action Level Exceedance was recorded on 18 February 2014.

Regards,



Mr Jovy Tam
Environmental Team Leader

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ERM-Hong Kong, Limited

**CONTRACT NO. HY/2012/08
TUEN MUN – CHEK LAP KOK LINK –
NORTHERN CONNECTION SUB-SEA TUNNEL SECTION**

**Air Quality Impact Monitoring
Notification of Exceedance**

Log No.	0212330_18February2014_1hrTSP_Station AQMS1 [Total No. of Exceedances = 1]	
Date	18 February 2014 (Measured) 25 February 2014 (Laboratory results received by ERM)	
Monitoring Station	AQMS1	
Parameter(s) with Exceedance(s)	1-hr TSP	
Action Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	AQMS1 = 335
	24-hr TSP ($\mu\text{g}/\text{m}^3$)	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	Action Level Exceedance on 1-hr TSP is observed at AQMS1 ($339 \mu\text{g}/\text{m}^3$) during 1436 - 1536 hrs.	
Works Undertaken (at the time of monitoring event)	On 18 February 2014, marine dredging works were carried out by one dredger Crown Asia 1 at Portion N-B. At the time of monitoring during 1436 to 1536 hrs, land-based works were undertaken at Site WA-18 for the construction of site office and substation, and at Portion N6 for the construction of CLP power station.	

Possible Reason for Action or Limit Level Exceedance(s)	<p>The exceedance(s) are unlikely to be due to the Project, in view of the following:</p> <ul style="list-style-type: none"> • Considering the relatively higher levels of 1-hour TSP between 1300 and 1500 hrs at all monitoring stations, it is probably unlikely that the level of land-based construction works under this Contract can cause increase in 1-hour TSP of this magnitude and scale. It is considered that the observed exceedance for 1-hour TSP at AQMS1 may represent sporadic event associated with traffic emissions and anthropogenic activities during afternoon rush hour at Lung Mun Road and River Trade Terminal. • According to the construction diary provided by the Contractor, the majority of construction works on 18 February 2014 were marine-based with the dredging works being undertaken by one dredger (Crown Asia 1) at Portion N-B, whilst only minor land-based construction works, including construction of site office and substation at WA-18 and the construction of CLP power station at Portion N6. All land-based constructions at WA-18 and Portion N6 were considered to have minor effect on dust generation. • Whilst exceedance of Action Level was observed at AQMS1, the average 1-hr TSP level at the monitoring station (AQMS1 = 193 µg/m³) on 18 February 2014 were in compliance with the Action and Limit Levels. The 1-hr TSP at AQMS1 returned to level below the Action/Limit Levels on the same day. • With reference to the recorded wind direction (ranged between 289° and 305°, blowing from a North-Westerly direction) and wind speed (ranged from 2.56 to 4.33 m/s) during the period of the observed 1-hr TSP exceedance, Station AQMS1 is located upstream to the marine-based construction activities at dredging barge Crown Asia 1 at Portion N-B, and is located upstream from the land-based construction area (i.e. Site WA-18 and Portion N6), thus the observed exceedance should not be affected by the dust, if any, generated by the construction activities under this Contract. • According to the air quality monitoring recorded by the closest EPD air monitoring station in Tuen Mun on 18 February 2014, the levels of Respirable Suspended Particulates (RSP) from 1400 to 1600 hrs were high (Tuen Mun RSP levels ranged from 203 to 388 µg/m³). The observed exceedance could be resulting from the area-wide scale pollution in Hong Kong. • As stated in the EIA report (Section 4.2.3), the background TSP level of Tuen Mun is higher than the other region of Hong Kong, thus the exceedance may be also contributed cumulatively by the other construction works / traffic within the Tuen Mun Area rather than causing by the construction works of the Project.
Actions Taken/ To Be Taken	<p>The Contractor was reminded to ensure all dust mitigating measures are provided at WA 18 and Portion N6. The ET will monitor for future trends in exceedances.</p>
Remarks	<p>The monitoring results, the locations of air quality monitoring stations, and construction works schedule are attached.</p>