

Table L1 *Cumulative Statistics on Exceedances*

Parameters	Level of Exceedance	Total No. recorded in this reporting month	Total No. recorded since project commencement
1-hr TSP	Action	1	24
	Limit	0	2
24-hr TSP	Action	0	5
	Limit	0	1
Water Quality	Action	0	6
	Limit	0	1
Impact Dolphin Monitoring	Action	0	1
	Limit	0	0

Table L2 *Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions*

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

Email
message

Environmental
Resources
Management

To ENVIRON - Hong Kong, Limited (ENPO)

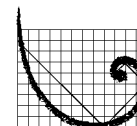
From ERM- Hong Kong, Limited

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 Water Quality
Impact Monitoring

Date 10 April 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 the Notification of Exceedance (NOE) of the following Log no.:

Action Level Exceedance
0212330_31March2014_SS_F_Station_IS14

Limit Level Exceedance
0212330_31March2014_SS_F_Station_IS12

A total of two exceedances were recorded on 31 March 2014.

Regards,

A handwritten signature in black ink, appearing to read 'Jovy Tam', is written over a white background.

Mr Jovy Tam
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.



ERM-Hong Kong, Limited

CONTRACT NO. HY/2012/08

TUEN MUN – CHEK LAP KOK LINK –
NORTHERN CONNECTION SUB-SEA TUNNEL SECTION

Marine Water Quality Impact Monitoring
Notification of Exceedance

Log No.	0212330_31March 2014_SS_F_Station IS12 0212330_31March 2014_SS_F_Station IS14 [Total No. of Exceedances = 2]		
Date	31 March 2014 (Measured) 1 April 2014 (<i>In situ</i> results received by ERM) 10 April 2014 (Laboratory results received by ERM)		
Monitoring Station	CS4, CS6, SR8, SR9, SR10A, IS12, IS13, IS14, IS15		
Parameter(s) with Exceedance(s)	Depth-averaged Suspended Solids (SS, mg/L)		
Action Levels	SS	120% of upstream control station at the same tide of the same day (i.e., CS6: 10.8 x 120% = 13.0 mg/L for mid-flood; CS4: 12.4 x 120% = 14.9 mg/L for mid-ebb) <u>and</u> 95%-ile of baseline data (i.e., 23.5 mg/L).	
Limit Levels	SS	130% of upstream control station at the same tide of the same day and 10mg/L for WSD Seawater Intakes at Tuen Mun (i.e., CS6: 10.8 x 130% = 14.0 mg/L for mid-flood; CS4: 12.4 x 130% = 16.1 mg/L for mid-ebb) <u>and</u> 99%-ile of baseline data. (i.e., 34.4 mg/L)	
Measured Levels	Limit Level Exceedance for SS is observed at IS12 (36.0 mg/L) during mid-flood tide. Action Level Exceedance for SS is observed at IS14 (25.1 mg/L) during mid-flood tide.		
Sampling Time	Sampling Station	Start Time	End Time
	IS12 (Mid-Flood)	20:05	20:20
	IS14 (Mid-Flood)	20:27	20:42
Works Undertaken (at the time of monitoring event)	<p>According to the information provided by the Contractor, marine works conducted on 31 March 2014 included:</p> <ul style="list-style-type: none"> • Bottom dumping of G400 rock material to seawall trench was undertaken at Zone C of Portion N-B; • Unloading of seawall block at Zone D of Portion N-B; and • Filling at Zone E and driving marine sheet pile wall at Zone F of Portion N-A. <p>No dredging activities were carried out throughout the day.</p>		

Possible Reason for Action or Limit Level Exceedance(s)	<p>The exceedances are unlikely to be due to the Project, in view of the following:</p> <ul style="list-style-type: none"> • Elevated turbidity and suspended solids levels were observed in all monitoring stations which may be resulting from the adverse weather (Black Rainstorm Warning and Thunderstorm Warning) on both 30 and 31 March 2014, in which heavy rainfall and increased input from the Pearl River brought in turbid water from nearby surface runoff. • Apart from IS12 and IS14, SS levels at all other monitoring stations were in compliance with the Action and Limit Levels during both mid-flood and mid-ebb tides on the same day. • Depth-averaged Turbidity levels at all stations were in compliance with the Action and Limit Levels during both tides on the same day. Likewise, dissolved oxygen (DO) at all levels were relatively high and were in compliance with the Action and Limit Levels in both mid-ebb and mid-flood tides. • Whilst Suspended Solids exceedances were observed at IS12 and IS14 on 31 March 2014, the levels of SS at the monitoring stations on 28 March 2014 and 2 April 2014 were below the Action and Limit Levels. In addition, the level of SS at IS14 during mid-flood tide on 31 March 2014 was within the range of SS measured in the baseline survey (Mid-flood = 2.9 - 27.5 mg/L). • No malpractice was observed during the sampling process.
Actions Taken / To Be Taken	<p>Reclamation filling was undertaken between the 200 m of leading seawalls using filling materials specified in the EP and the approved EIA Report with a single layer silt curtain being deployed as a precautionary measure to reduce dispersion of suspended solids. The level of reclamation filling was within the filling rate described in the EP. No immediate action is considered necessary. The ET will monitor for future trends in exceedances.</p>
Remarks	<p>The monitoring results and the locations of water quality monitoring stations are attached.</p>

Email
message

**Environmental
Resources
Management**

To ENVIRON - Hong Kong, Limited (ENPO)

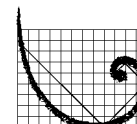
From ERM- Hong Kong, Limited

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 14 April 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_3April2014_1hrTSP_Station ASR10

A total of one Action Level Exceedance was recorded on 3 April 2014.

Regards,

A handwritten signature in black ink, appearing to be 'Jovy Tam', written in a cursive style.

Mr Jovy Tam
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.



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_3April2014_1hrTSP_Station ASR10 [Total No. of Exceedances = 1]	
Date	3 April 2014 (Measured) 14 April 2014 (Laboratory results received by ERM)	
Monitoring Station	ASR1, ASR5, ASR6, ASR10 and AQMS1	
Parameter(s) with Exceedance(s)	1-hr TSP	
Action Levels	1-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR10 = 337
	24-hr TSP ($\mu\text{g}/\text{m}^3$)	ASR10 = 214
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 for 1-hr TSP is observed at ASR10 ($381 \mu\text{g}/\text{m}^3$) during 1542 - 1642 hrs.	
Works Undertaken (at the time of monitoring event)	On 3 April 2014, marine dredging works were carried out by one dredger Crown Asia 1 at Portion N-C; seawall constructions at Portion N-B; filling at Area E and sheet piling at Portion N-A. At the time of monitoring during 1542 to 1642 hrs, land-based works were undertaken at Portion N6 for the CLP station structure works.	
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"> Monitoring station ASR10 is located distant (>1km) from the major construction works area, and the construction works is thus considered not directly associated with the observed Action Level of Exceedance. According to the construction information provided by the Contractor, the majority of construction works on 3 April 2014 were marine-based with the dredging works being undertaken by one dredger (Crown Asia 1) at Portion N-C; filling works at Portion N-A, whilst only minor land-based construction works, the structure works of CLP power station at Portion N6. All land-based constructions at Portion N6 were considered to have minor effect on dust generation. Whilst exceedance of Action Level were observed at ASR10, the average 1-hr TSP level at the monitoring station (ASR10 = $260 \mu\text{g}/\text{m}^3$) on 3 April 2014 were in compliance with the Action and Limit Levels. The 1-hr TSP at ASR10 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 28th March while no exceedance was recorded. With reference to the recorded wind direction (ranged between 116° and 145°, blowing from a South-Easterly direction) during the period of the observed 1-hr TSP exceedance, Station ASR10 is located upstream to the marine-based construction activities at Portion N-A, N-B and N-C, 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. 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	The Contractor was reminded to ensure all dust mitigating measures are provided at Portion N6. The ET will monitor for future trends in exceedances.
Remarks	The monitoring results and the locations of air quality monitoring stations are attached.