

Appendix N1 Cumulative Statistics on Exceedances

		Total No. recorded in this reporting month	Total No. recorded since project commencement
1-Hr TSP	Action	0	0
	Limit	0	0
24-Hr TSP	Action	0	0
	Limit	0	0
Noise	Action	0	0
	Limit	0	0
Water Quality	Action	1	1
	Limit	0	0

Appendix N2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (Nov 2013)	1	0	0
Total No. received since project commencement	1	0	0

**Email
message**

**Environmental
Resources
Management**

To ENVIRON – Hong Kong, Limited (ENPO)

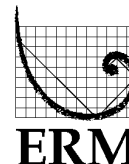
From ERM- Hong Kong, Limited

Ref/Project number Contract No. HY/2012/07
Tuen Mun – Chek Lap Kok Link – Southern
Connection Viaduct Section

Subject Notification of Exceedance for Marine Water
Quality Impact Monitoring

Date 26 November 2013

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/ Madam,

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

0215660_26 November 2013_SS_ME_SR4a

Recorded on 11 December 2013.

Regards,

Mr Jovy Tam
Environmental Team Leader

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ERM-Hong Kong, Limited
CONTRACT NO. HY/2012/07
TUEN MUN – CHEK LAP KOK LINK –
SOUTHERN CONNECTION VIADUCT SECTION

Marine Water Quality Impact Monitoring

Notification of Exceedance

Log No.	0215660_26November2013_SS_ME_SR4a [Total No. of Exceedances = 1]	
Date	26 November 2013 (Measured) 27 November 2013 (<i>In situ</i> results received by ERM) 10 December 2013 (Laboratory results received by ERM)	
Monitoring Station	CS(Mf)5, SR4a, SR4, IS8, IS(Mf)16, IS(Mf)9, CS(Mf)3	
Parameter(s) with Exceedance(s)	Depth-averaged Suspended Solids (SS)	
Action Levels	SS	23.5
Limit Levels	SS	34.4
Measured Levels	Action Level Exceedance is observed at SR4a (26.6 mg/L) during mid-ebb tide.	
Works Undertaken (at the time of monitoring event)	On 26 November 2013, marine works (ie rock grabbing by Barge Yu Fat No. B21494V from 08:00 to 17:30 and Survey Tower Installation at G28 from 08:00 to 17:30) were being carried out. After examination of the marine works record, it is confirmed that no marine works were being carried out when exceedance of depth-averaged SS level was recorded at SR4a during mid-ebb tide (18:26-21:56).	
Possible Reason for Action or Limit Level Exceedance(s)	The exceedance of depth-averaged SS at SR4a during mid-ebb tide is unlikely to be due to the Project, in view of the following: <ul style="list-style-type: none"> • Suspended solid level at surface water depth at SR4a was 8 mg/L. The Action Level exceedance of depth-averaged SS was due to the exceedance of SS level at bottom water depth. Since SR4a is located in shallow waters (~ 4.7 m), such exceedance was likely due to sediment disturbance caused by water sampler touching seabed. 	
Actions Taken / To Be Taken	No immediate action is considered necessary. The ET will monitor for future trends in exceedances.	
Remarks	The monitoring results and the locations of water quality monitoring stations are attached.	

Date	Tidal Level	Sea Condition	Station	Monitoring Period	Depth + Replicate No.	Replicate	Depth (m)	Water Temp (°C)	Salinity (ppt)	D.O. (mg/L)	Turbidity (NTU)	SS (mg/L)	Ave. D.O. (mg/L) S, M, B	Turbidity (Depth-ave.) (NTU)	SS (Depth-ave.) (mg/L)
26-11-13	Mid-Flood	Moderate	CS(Mf)5	12:21-12:45	S1	R1	1.0	22.2	23.3	6.89	4.65	5.3	6.88	4.78	6.4
					S2	R2		22.2	23.3	6.86	4.69	5.3			
					M1	R1	4.8	22.3	23.9	6.57	4.36	5.8	6.56		
					M2	R2		22.3	23.9	6.55	4.32	6.3			
					B1	R1	8.6	22.5	24	6.35	5.36	8.8	6.33		
					B2	R2		22.5	24	6.31	5.31	7.1			
			SR4a	12:55-13:09	S1	R1	1.0	22.2	23.3	6.84	5.47	6.4	6.82	10.02	8.6
					S2	R2		22.2	23.3	6.8	5.42	5			
					M1	R1	4.2	22.3	23.5	6.6	14.6	11.2	6.59		
					M2	R2		22.3	23.5	6.57	14.6	11.7			
					B1	R1	1.0	22.1	23.3	6.86	6	8.4	6.85		
					B2	R2		22.1	23.3	6.83	6.07	8.6			
			SR4	13:20-13:26	S1	R1	1.0	22.6	23.8	6.13	14.9	16.1	6.15	10.47	12.4
					S2	R2		22.6	23.8	6.16	14.9	16.6			
					M1	R1	4.2	22.1	23.3	6.83	5.97	6	6.81		
					M2	R2		22.1	23.3	6.79	5.91	4.5			
					B1	R1	4.4	22.4	23.6	6.42	12.7	12	6.41		
					B2	R2		22.4	23.6	6.39	12.7	13.7			
			IS8	13:46-14:03	S1	R1	1.0	22.2	23.3	6.77	10.6	12	6.76	9.32	9.1
					S2	R2		22.2	23.3	6.75	10.6	11.9			
					M1	R1	3.9	22.4	23.8	6.3	13.2	14.7	6.28		
					M2	R2		22.4	23.7	6.25	13.2	13.8			
					B1	R1	6.8	22.5	23.9	6.14	17.5	18	6.16		
					B2	R2		22.5	23.9	6.17	17.6	16.3			
			IS(Mf)16	14:16-14:36	S1	R1	1.0	22.2	23.3	6.59	6.57	6.6	6.58	13.78	14.5
					S2	R2		22.2	23.3	6.57	6.52	6			
					M1	R1	4.0	22.5	23.7	6.32	13.9	13.2	6.31		
					M2	R2		22.5	23.7	6.29	13.8	13.8			
					B1	R1	1.0	22.2	23.7	6.64	4.51	4.6	6.63		
					B2	R2		22.2	23.7	6.61	4.59	3.6			
			IS(Mf)9	14:46-15:04	S1	R1	1.0	22.1	24	6.4	4.58	4.7	6.38	4.82	4.8
					S2	R2		22.1	24	6.36	4.63	4			
					M1	R1	4.5	22.5	24.8	6.02	5.28	6.1	6.04		
					M2	R2		22.5	24.8	6.05	5.35	5.7			
					B1	R1	8.0	22.2	23.3	6.59	6.57	6.6	6.58		
					B2	R2		22.2	23.3	6.57	6.52	6			
CS(Mf)3	15:19-15:51	S1	R1	1.0	22.2	23.3	6.59	6.57	6.6	6.58	10.20	9.9			
		S2	R2		22.2	23.3	6.57	6.52	6						
		M1	R1	4.0	22.5	23.7	6.32	13.9	13.2	6.31					
		M2	R2		22.5	23.7	6.29	13.8	13.8						
		B1	R1	1.0	22.2	23.7	6.64	4.51	4.6	6.63					
		B2	R2		22.2	23.7	6.61	4.59	3.6						
CS(Mf)5	15:19-15:51	S1	R1	1.0	22.1	24	6.4	4.58	4.7	6.38	4.82	4.8			
		S2	R2		22.1	24	6.36	4.63	4						
		M1	R1	4.5	22.5	24.8	6.02	5.28	6.1	6.04					
		M2	R2		22.5	24.8	6.05	5.35	5.7						
		B1	R1	8.0	22.2	23.3	6.59	6.57	6.6	6.58					
		B2	R2		22.2	23.3	6.57	6.52	6						

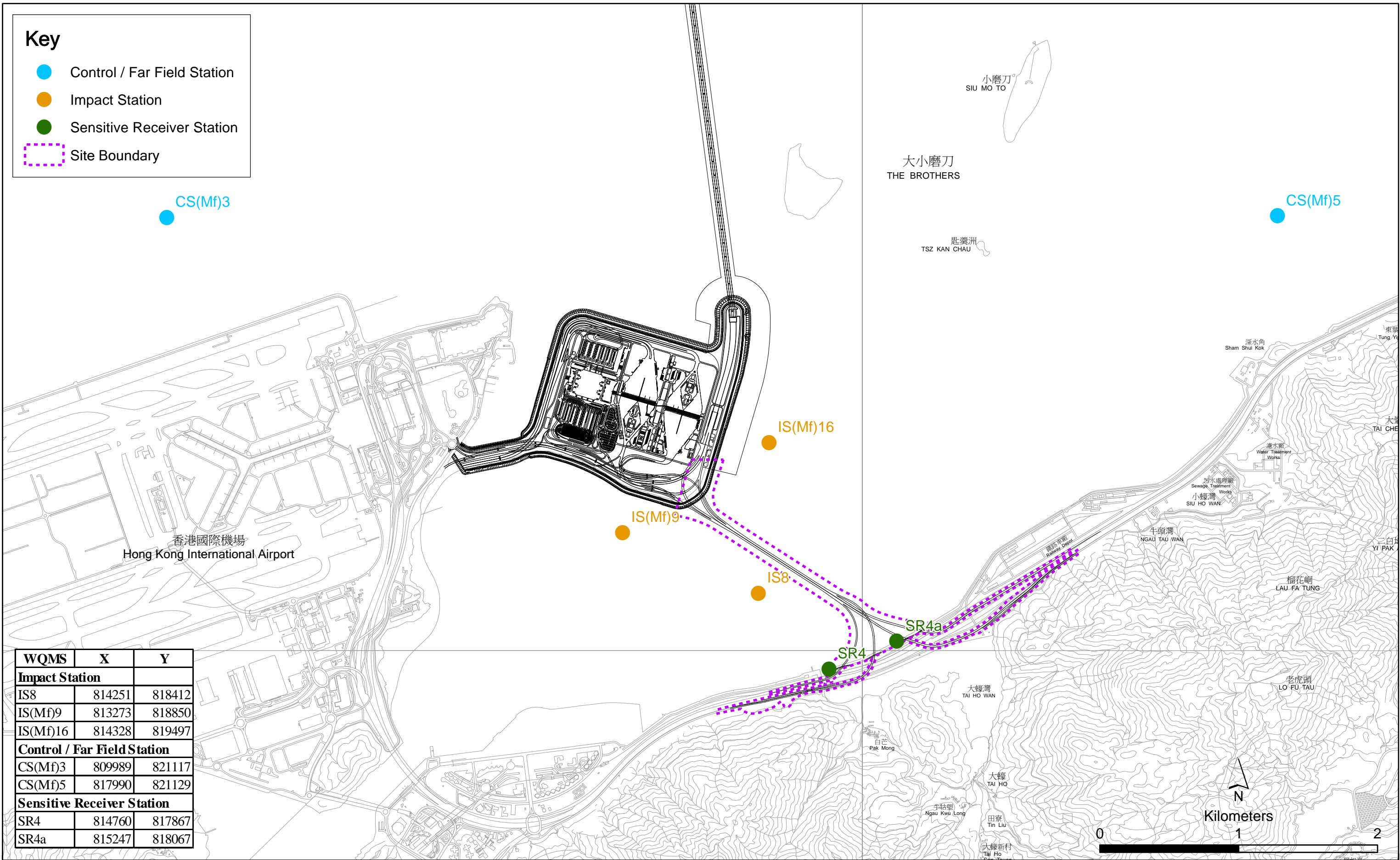
Date	Tidal Level	Sea Condition	Station	Monitoring Period	Depth + Replicate No.	Replicate	Depth (m)	Water Temp (°C)	Salinity (ppt)	D.O. Saturation (%)	D.O. (mg/L)	Turbidity (NTU)	Ave. D.O. (mg/L) S, M, B	Turbidity (Depth-ave.) (NTU)	SS (Depth-ave.) (mg/L)				
26-11-13	Mid-Ebb	Moderate	CS(Mf)3	18:26-18:50	S1	R1	1.0	22.3	23.7	6.67	5.07	4.6	6.64	5.24	5.9				
					S2	R2		22.2	23.7	6.61	5.03	5.1							
					M1	R1	4.2	22.1	24.1	6.31	5.4	4.2	6.33						
					M2	R2		22.1	24	6.34	5.48	5.7							
					B1	R1	7.4	22.4	24.7	6.04	5.2	7.4	6.03						
					B2	R2		22.4	24.7	6.02	5.25	8.4							
			SR4a	20:57-21:21	S1	R1	1.0	22.2	23.4	6.63	6.32	7	6.65	9.85	26.6				
					S2	R2		22.1	23.3	6.67	6.67	9							
					M1	R1	3.6	22.4	23.6	6.47	13.4	46.8	6.48						
					B2	R2		22.4	23.7	6.49	13	43.4							
					SR4	20:22-20:46	S1	R1	1.0	22.2	23.3	6.72	5.95			11.3	6.75	11.39	15.3
							S2	R2		22.1	23.2	6.78	6.02			13			
			B1	R1			3.6	22.5	23.7	6.23	17	19.3	6.22						
			B2	R2				22.4	23.8	6.2	16.6	17.5							
			IS8	19:53-20:17			S1	R1	1.0	22.2	23.3	6.82	6.03	8.1	6.82	10.03	11.4		
							S2	R2		22.2	23.4	6.81	6.07	7.9					
					B1	R1	5.0	22.4	23.6	6.34	13.9	14.4	6.35						
					B2	R2		22.4	23.6	6.36	14.1	15.1							
					IS(Mf)16	19:24-19:48	S1	R1	1.0	22.3	23.4	6.71	9.23	11.5	6.72			13.60	18.7
							S2	R2		22.2	23.4	6.73	9.27	12.2					
			M1	R1			3.3	22.2	23.5	6.59	12.6	13.3	6.61						
			M2	R2				22.3	23.6	6.62	12.9	13.1							
			B1	R1			5.6	22.5	23.7	6.07	18.6	31.1	6.09						
			B2	R2				22.4	23.8	6.1	19	30.7							
			IS(Mf)9	18:55-19:19	S1	R1	1.0	22.2	23.8	6.5	5.38	4.8	6.54	10.68	6.0				
					S2	R2		22.3	23.7	6.58	5.42	5.1							
					M1	R1	3.6	22.4	24.8	6.27	15.8	6.4	6.29						
					B2	R2		22.4	24.7	6.3	16.1	7.5							
					CS(Mf)5	21:32-21:56	S1	R1	1.0	22.3	23.4	6.59	4.86			4	6.60	5.52	5.3
							S2	R2		22.3	23.5	6.61	4.88			4.4			
			M1	R1			5.2	22.2	23.5	6.54	5.6	4.9	6.52						
			M2	R2				22.3	23.6	6.5	5.68	5							
			B1	R1			9.4	22.4	23.8	6.11	6.02	7	6.12						
			B2	R2				22.5	23.8	6.13	6.08	6.4							

Note: (1) Indicates Exceedance of Action Level

Indicates Exceedance of Limit Level

Key

- Control / Far Field Station
- Impact Station
- Sensitive Receiver Station
- Site Boundary



WQMS	X	Y
Impact Station		
IS8	814251	818412
IS(Mf)9	813273	818850
IS(Mf)16	814328	819497
Control / Far Field Station		
CS(Mf)3	809989	821117
CS(Mf)5	817990	821129
Sensitive Receiver Station		
SR4	814760	817867
SR4a	815247	818067

Figure 4.1

Locations of Water Quality Monitoring Stations

COMPLAINT INVESTIGATION REPORT

Basic Information of Complaint

Reference Number:	EP3/N09/RS/00026142-13
Date of Complaint Received	19 November 2013
Location of Complaint	Tung Chung New Development Pier
Nature of Complaint	Noise generated from a barge which is moving through the southern channel of HyD's construction site in Lantau
Complaint Received by	Environmental Protection Department (EPD)
Complainant	A local resident living in Tung Chung town

Details of Complaint

On 11 November 2013, a complaint was received by the EPD regarding the noise nuisance generated by a barge moving through the southern channel of HyD's construction site in the vicinity of the Tung Chung New Development Pier after 23:00 on 8 November 2013. The Contractor received the complaint notification on 18 November 2013.

Investigation Report

Upon receiving the complaint notification from EPD on 18 November 2013, the Contractor had promptly checked the works summary and had notified SOR on 19 November that no site activities were taken place after 18:00 for the date concerned.

Based on the works summary, activities conducted under this Contract strictly followed the conditions stated in the approved Construction Noise Permits (CNPs). In addition, the main site activities were located near Tai Ho Wan which is more than 2km from the concerned location the complaint referred to. Therefore, any noise generated from this Contract's work should be acceptable and should be insignificant after distance attenuation.

Based on the above, the concerned noise nuisance was considered not related to this Contract's work.

Mitigation Measures and Follow-Up Actions Recommended to Contractor

The Contractor was reminded to adhere strictly to the Construction Noise Mitigation Plan and to implement all relevant noise mitigation measures recommended or specified in the EIA Report, EM&A Manual, EMP, Method Statements, General and Particular Specifications of this Contract to avoid causing noise nuisance.

The Contractor is also reminded to ensure that the construction plant deployed for the works during restricted hours is in strict compliance with the relevant CNP granted.

Date of File Closed : 19 November 2013

Approved and Filed by:



(Jovy Tam, ET Leader)

Date: 19 November 2013