

HyD MU 10/11-2 (HY/2013/04)/M45/050

MEMO

From Director of Environmental Protection

To CE3/SD, HyD

Attn.: Y.F. LAU, PC7/SD

Ref. () in Ax(5) to E771/E1/100

Tel. No. 2516 1782

Fax No. 2960 1760

Date 8 March 2019

Your Ref. in

Dated Fax No. 3188 6614

Total Pages

Contract No. HY/2013/04**Hong Kong – Zhuhai – Macao Bridge Hong Kong Boundary Crossing Facilities -
Infrastructure Works Stage II(Southern Portion)****Proposal for Post-Construction Dolphin Monitoring under EM&A Programme**

I refer to AECOM's letter ref.: HKBCF/(II-Southern)/(HY/2013/04)/M45/050(00091)/B405037 dated 25.2.19 enclosing a Proposal for Post-Construction Dolphin Monitoring under EM&A Programme.

(6882)

2. I am pleased to inform you that we have no comment on the proposal.



(LO Kam Wah, Alfred)
for Director of Environmental Protection

c.c.

RAMBOLL/IEC

AECOM

CSCE

(Attn: Mr. Ray Yan)

(Attn: Bevis Mak)

(Attn: Mr. Jason Chung)

Fax: 3465 2899

Fax: 3468 2076

Fax: 2459 4336

Internal:

Ag.S(MP)I

EIAO Registrar

Your Ref. :
Our Ref. : HKBCF/(II-Southern)/(HY/2013/04)/M45/050(00091)/B405037

25 February 2019

EIA Ordinance Register Office
27th floor, Southorn Centre,
130 Hennessy Road,
Wan Chai, Hong Kong

Dear Sirs,

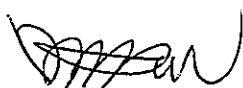
Contract No. HY/2013/04
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Infrastructure Works Stage II (Southern Portion)

Proposal for Post-Construction Dolphin Monitoring under Environmental Monitoring and Audit (EM&A) Programme

Please note that all marine-based activities for the Hong Kong- Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities Project were completed in January 2019 and the post-construction dolphin monitoring will be carried out under this Contract for this project covered by Environmental Permit No. EP-353/2009/K.


I refer to Clause 10.7.1 of the updated EM&A Manual for Hong Kong Boundary Crossing Facilities, and submit herewith for your perusal, two hard copies of the proposal for post-construction dolphin monitoring with ET/IEC certification and verification.

Yours faithfully,
For and on behalf of
AECOM Asia Co. Ltd.



Peter Lee
Senior Resident Engineer
HKBCF II-Southern

Encl.

 PYFL/PKL/WKSW/mmyc

c.c	CE 3/SD, HyD	- Attn.: Mr. Joseph Chung	(w/encl. - 1 hard copy)
	E(MP)2, EPD	- Attn.: Mr. Alfred Lo	(w/ encl. - 1 hard copy)
	RAMBOLL/IEC	- Attn.: Mr. Ray Yan	(w/ encl. - 1 hard copy)
	AECOM	- Attn.: Mr. Bevis Mak	(w/o encl.)
	CSHK	- Attn.: Mr. Jason Chung	(w/o encl.)



B405037

15 February 2019

By Fax (3468 2076) and By Post

AECOM Asia Co. Ltd.
The PRE's Office
550 Cheung Tung Road, Lantau, Hong Kong

Attention: Mr. Peter Lee

Dear Sir,

**Re: Agreement No. CE 48/2011 (EP)
Environmental Project Office for the
HZMB Hong Kong Link Road, HZMB Hong Kong Boundary Crossing Facilities,
and Tuen Mun-Chek Lap Kok Link – Investigation**

**Contract No. HY/2013/04 – HZMB HKBCF – Infrastructure Works Stage II
(Southern Portion)
Proposal on Post-construction Dolphin Monitoring under Environmental
Monitoring and Audit (EM&A) Programme**

Reference is made to the Environmental Team's submission of the Proposal on Post-construction Dolphin Monitoring under Environmental Monitoring and Audit (EM&A) Programme certified by the ET Leader (ET's ref.: "TC/GC/sc/T355861/02/02/L111" dated 13 February 2019) and provided to us via e-mail on 14 February 2019.

We are pleased to inform you that we have no adverse comments on the captioned submission. We write to verify the captioned submission in accordance with Condition 5.1 of the Environmental Permit No. EP-353/2009/K.

Thank you very much for your attention and please feel free to contact the undersigned should you require further information.

Yours faithfully,
For and on behalf of
Ramboll Hong Kong Limited



Ray Yan
Independent Environmental Checker

c.c.	HyD	Mr. Tony Pang	(By Fax: 3188 6614)
	HyD	Mr. Harry Louie	(By Fax: 3188 6614)
	MMHK	Mr. Gary Chow	(By Fax: 2827 1823)
	CSCE	Mr. Jason Chung	(By Fax: 2459 4336)

Internal: DY, YH, DF, HW, ENPO Site

Ramboll Hong Kong Limited
21st Floor, BEA Harbour View Centre
56 Gloucester Road
Wan Chai, Hong Kong

Attn:
Mr. Ray Yan - Independent Environmental Checker

Our Reference
TC/GC/sc/T355861/02/
02/L111

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Contract No. HY/2013/04 Hong Kong-Zhuhai-Macao Bridge (HZMB)
Hong Kong Boundary Crossing Facilities (HKBCF) – Infrastructure Works
Stage II (Southern Portion)

Environmental Permit No. EP-353/2009/K

Proposal on Post-construction Dolphin Monitoring under Environmental
Monitoring and Audit (EM&A) Programme

13 February 2019

By Email

Dear Sir,

In accordance with Section 10.7.1 of the EM&A Manual of the captioned Project, We are pleased to submit the certified Proposal on Post-construction Dolphin Monitoring for your verification.

Yours faithfully
For MOTT MACDONALD HONG KONG LIMITED



Gary Chow
Environmental Team Leader

Encl.

cc. AECOM – Mr. Peter Lee (By Email)
China State Construction Engineering (Hong Kong) Ltd. – Mr. Xavier Lam /
Mr. Ng Ka Po (By Email)

Post-construction Dolphin Monitoring under EM&A Programme

1. Background

In accordance with the Section 10.7.1 of the EM&A Manual of the Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities (HZMB HKBCF) project, a Post-construction Dolphin Monitoring shall be performed at least for 2 year after completion of construction. As the Contract HY/2013/04 will be the remaining contract under HZMB HKBCF, it is proposed that the remaining Environmental Team (ET) of Contract HY/2013/04, shall take up the responsibility of the Post-construction Dolphin Monitoring (PCDM), with the details of the monitoring proposed in following sections. This proposal is made on the premise that the requirement of mudflat ecological monitoring, which are also stipulated in the EM&A Manual, is excluded as the responsibility of the mudflat ecological monitoring shall, as in line with existing construction phase arrangement, lies on the Contract for Hong Kong-Zhuhai Macao Bridge Hong Kong Link Road (HKLR) Project.

2. Scope of Monitoring

2.1 Programme

The proposed PCDM will be commenced after the completion of construction under Section 10.7.1 of the EM&A Manual of HZMB HKBCF. The commencement of the PCDM is subject to the agreement of IEC/ENPO and Resident Engineer (RE) of HZMB HKBCF.

According to Contractor of Contract No. HY/2013/04, all construction works associated with marine vessel have been completed in Jan 2019 and the associated PCDM for Contract No. HY/2013/04 under HKBCF project is presented below.

Table 1: Tentative programme for PCDM.

Activities	Duration	*Monitoring Frequency	Tentative commencement date	Tentative completion date
2. Post Construction Dolphin Monitoring (PCDM)	2 years	2 times per month	March 2019	Feb 2021

*Note: As the post construction dolphin monitoring frequency was not specified in the EM&A Manual, the monitoring frequency proposed is based on the existing monitoring practice adopted in the construction phase.

2.2 Monitoring Requirement

According to Section 10.4.1 of the EM&A Manual, the dolphin monitoring should adopt line-transect vessel survey method. The proposed PCDM shall be undertaken by suitably qualified specialist(s), with at least 5-10 years relevant post-graduate experience and publication in the respective aspects. The proposed monitoring programme and the specialist are subject to IEC and EPD approval before implementation of the PCDM.

2.3 Monitoring Area

The monitoring shall cover the following line-transect survey areas as in AFCD annual marine mammal monitoring programme.

- Northeast Lantau survey area;
- Northwest Lantau survey area; and

The locations of the proposed PCDM transect is shown in **Figure 1**.

According to existing survey arrangement in construction phase, the responsible of monitoring West Lantau survey area entirely lies on the relevant contract under Hong Kong-Zhuhai Macao Bridge Hong Kong Link Road (HKLR) Project. The same approach is proposed for post-construction phase monitoring for which the West Lantau survey is excluded from HKBCF.

3. Summary

In this proposal, a suite of dolphin monitoring programme, requirement and locations are proposed in fulfilling the requirement stipulated in Section 10 of the EM&A Manual pertaining to post-construction dolphin monitoring, with the actual commencement date subject to the confirmation of marine vessels status from the Contractor and RE. Once the post-construction monitoring is instructed, Contract HY/2013/04 ET leader will seek verification from IEC before implementation of the monitoring programme.

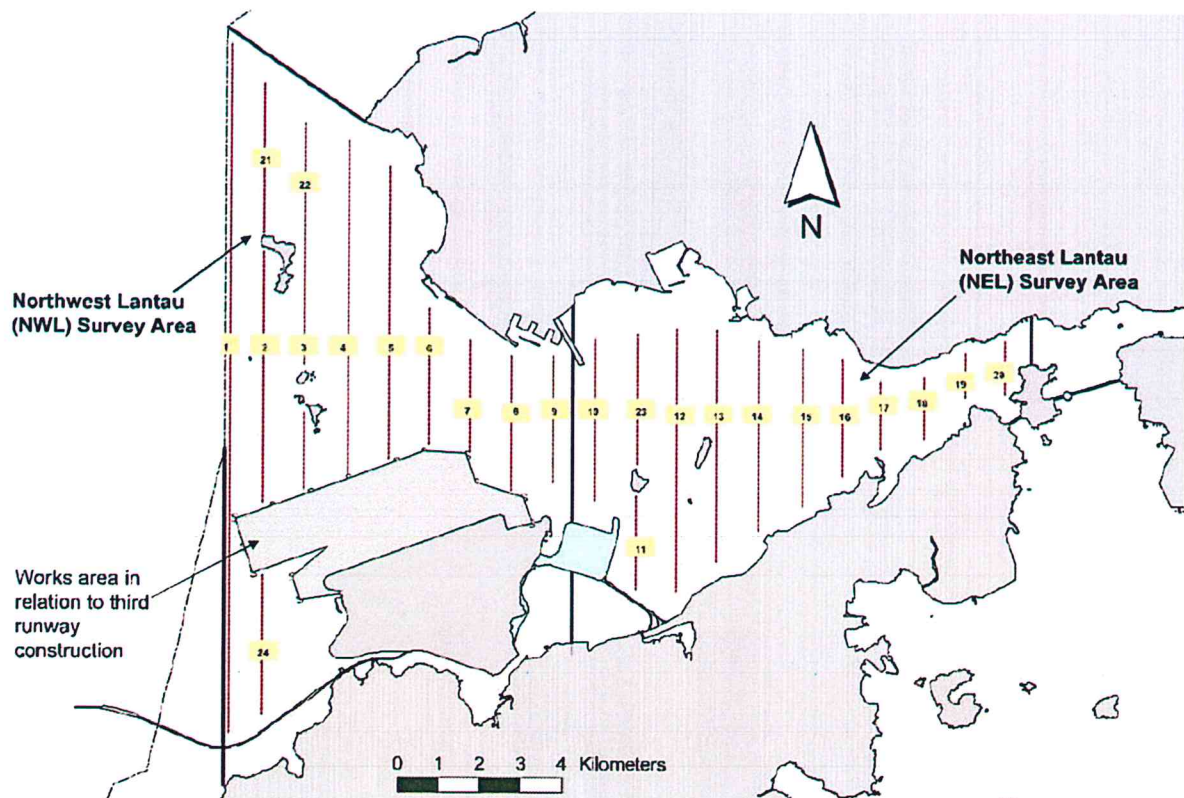


Figure 1. Dolphin Survey Transect (Northwest Lantau and Northeast Lantau)