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2 February 2021

Our ref: 0215660_56_ETL_Emergency Response Plan_02_02_2021.docx

By Email

Mr Roy Leung
Environmental Officer
Gammon Construction Limited
22/F, Tower 1, The Quayside
77 Hoi Bun Road, Kwun Tong
Kowloon
Hong Kong



Dear Sir,

Contract No. HY/2012/07
Tuen Mun - Chek Lap Kok Link - Southern Connection Viaduct Section

Emergency Response Plan

Reference is made to the *Emergency Response Plan* submitted by Gammon Construction Limited through email on 27 January 2021.

I hereby certify that the captioned *Emergency Response Plan* is in compliance with Condition 3.17 of the *Environmental Permit No. EP - 354/2009/D*.

Please do not hesitate to contact me should you have any queries.

Yours faithfully
For ERM-Hong Kong, Ltd

Dr Jasmine Ng
Environmental Team Leader

Direct Tel: (852) 2271 3311
E-mail: jasmine.ng@erm.com



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Ref.: HYDZHMBEEM00_0_8365L.21.docx

2 February 2021

By Fax (3691 2899) and Post

AECOM Asia Co. Ltd.
Supervising Officer Representative's Office
780 Cheung Tung Road, Lantau, N.T.

Attention: Mr. Daniel Ip

Dear Mr. Ip,

**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/2012/07
TM-CLKL – Northern Connection Viaduct Section
EMERGENCY RESPONSE PLAN**

Reference is made to the submission of Emergency Response Plan (Document ref. No.: "0215660_56_ETL_Emergency Response Plan_02_02_2021.docx" dated 2 February 2021) and provided to us via e-mail on 2 February 2021.

Please be informed that we have no adverse comments on the captioned Plan. We write to verify the captioned submission in accordance with Condition 3.17 of EP-354/2009/D.

Thank you for your attention. Please do not hesitate to contact the undersigned or the ENPO Leader Mr. Y. H. Hui should you have any queries.

Yours sincerely,



Manson Yeung
Independent Environmental Checker
Tuen Mun – Chek Lap Kok Link

c.c.

HyD	Mr. Patrick Ng	(By Fax: 3188 6614)
HyD	Mr. Alan Ip	(By Fax: 3188 6614)
AECOM	Mr. Conrad Ng	(By Fax: 3922 9797)
ERM	Dr. Jasmine Ng	(By Fax: 2723 5660)
Gammon	Mr. Roy Leung	(By Fax: 3520 0486)

Internal: DY, YH, ENPO Site

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

Emergency Response Plan for Spillage of Oil and Chemicals

Response to Comments

No.	Comment	Response
From: Mr. Alfred Lo, EPO(MP)2, EPD Ref: Email Date: 14 July 2020		
1.	<p>I refer to your submission of the two subject ER Plans.</p> <p>Please be advised that all existing EP with coming EP submissions for deposit/approval, EPD shall require Permit Holders/ETs/IECs to provide "Implementation Schedule" (IS) if they haven't done so in the first submission. This requirement is applicable to existing EP with EP submissions deposited/approved if revisions to the EP submissions are needed.</p> <p>Please provide an IS for each ER Plan and resubmit for our consideration. Thanks.</p>	<p>The Implementation Schedule was added to Appendix C of the Plan.</p>

Emergency Response Plan

for

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

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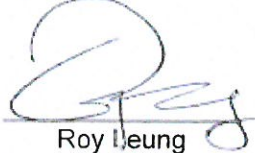
Rev. No. : A

Prepared by :



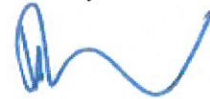
**Wing Lam
Environmental Supervisor**

Reviewed by :



**Roy Leung
Environmental Officer**

Approved by :



**K F Tam
Site Agent**

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1 INTRODUCTION

1.1 Project Descriptions

Gammon Construction Limited (GCL) has been commissioned to design and construct the Contract No. HY/2012/07 – Tuen Mun Chek Lap Kok Link – Southern Connection Viaduct Section for the Highways Department (HyD) of the Government of the Hong Kong Special Administrative Region (HKSARG). The Works to be comprise the construction of a dual 2-lane elevated carriageway between the HZMB HKBCF and North Lantau Highway (NLH) with associated slip roads, as well as modifications and realignment of sections of the NLH and Cheung Tung Road at North Lantau, and associated works.

2 PURPOSE OF THE PLAN

The Emergency Response Plan (ERP) has been developed in accordance with Environmental Permit (EP-354/2009/D) clause 3.17 on how to prevent oil and chemical spillages caused by traffic incidents on the carriageway from entering into the waterbody.

3 GENERAL RESPONSE TO SPILL INCIDENTS

The general response to the spill caused by traffic incidents on the carriageway shall be carried out to minimize the chance of oil or hazardous chemicals entering the marine environment. The handling procedures and notification system is listed in the following section.

3.1 Spillage on the bridge deck area

Operational staffs should be made aware of the emergency telephone numbers. The response actions to an incident should include, but not limit to, the following steps:

1. Immediately inform the Emergency Team of the spill incident occurring.
2. The Emergency Team shall be responsible for organizing the manpower to identify the spill source and stop or cease it. The Emergency Coordinator shall equip all people involved in the clean-up works suitable personal protective equipment prior to the removal of any leaked chemical or chemical waste.
3. The Emergency Team shall call ambulance service in case any injury person or uncontrollable or non-stoppable spillage to be handled by Fire Service Department or Marine Department.
4. Under a safe condition, take all possible measures to prevent the increase of spillage area, such as placing booms around the spillage source and apply saw dust to further absorb the chemical on the surface. Dispersants are not suggested to use due to Tai Ho Stream SSSI is nearby, unless there is no other means to prevent damage by spilt oil. The dispersant shall be ecological friendly in case to use.
5. Gullies nearby the traffic incidents area shall be covered by drain seal or tarpaulin materials with mass weighted to ensure chemical would not leak to the waterbody through the drainage system.
6. If possible and practical, the spilt chemical shall be put back into the containers of origin. Otherwise a suitable material like dry sand or sawdust shall be used to absorb the leakage.

7. Any contaminated sand / sawdust / other materials shall be collected and put into black plastic bags and shall be clearly labelled as "chemical waste". Handling of chemical waste shall be according to the "Code of Practice on Packing, Labelling and Storage of Chemical Wastes".

4 EMERGENCY TEAM

4.1 Team Structure

An emergency team shall be established by the maintenance contractor for the Contract in order to dealing with emergency cases promptly. The emergency team shall comprise members of an emergency team leader, emergency safety and environmental representatives and emergency coordinators.

Once the emergency team established, the member list will be maintained and revised from time to time to ensure it is up-to-date and notify HyD representative. The management and maintenance authority should contract the Hong Kong Police Force and Transport Department during emergency spillage. The telephone contact numbers shall be displayed on notice board. The contacts of emergency parties

Appendix B.

4.2 Roles and Responsibilities

Emergency Team Leader

- Co-ordinate of all emergency situations,
- Determine the seriousness of the cases to take appropriate responding actions and to deploy manpower and transportation resources,
- Lead the emergency team to carry out appropriate emergency measures to minimize impacts arising from spillage incidents,
- Inform the emergency safety / environmental representatives, work team members, and the SOR as soon as possible in case of an spillage incidents,
- Ensure that staffs are well trained for emergency procedures.

Emergency Safety Representative

- Assist the Emergency Leader in handling of responding actions towards emergency events,
- Design evacuation procedures and routes for emergency events,
- Advise the Emergency Leader on hidden danger or unforeseeable situation to be occurred in the contract site arising from emergency events,
- Observe the whole proceeding of the emergency procedures,
- Provide safety training to all the team members and operational staffs for the emergency procedures.

Emergency Environmental Representative

- Assist the Emergency Leader in handling of responding actions towards emergency events,

- Advise the Emergency Leader on hidden danger or unforeseeable situations on environmental aspects to be occurred in the contract site arising from emergency events,
- Ensure the emergency procedures are handled under environmental requirements,
- Assess the potential impacts on the local environment, e.g. Chinese White Dolphins and ecology issues,
- Provide environmental training to all the team members and operational staffs for the emergency procedures.

Emergency Coordinator – Superintendent and Foreman

- Responsible to the Emergency Leader and shall follow the instruction to perform their duties,
- Be familiar with the emergency procedures, locations of the first-aid points and work areas,
- Inspect and examine the equipment for cleaning the sump pits at regular intervals to ensure they are in place and in good condition,
- Arrange the manpower and necessary plants, boats or vehicles for emergency events,
- Control or mitigate hazards at the scene to prevent further damages to the property or injury to person under a safe condition,
- In cases of injuries, provide suitable first aid treatment at scene by certified first aiders,
- Report the latest situation of the injured person to the Emergency Team Leader.
- Coordinate with Government Emergency Units if necessary.

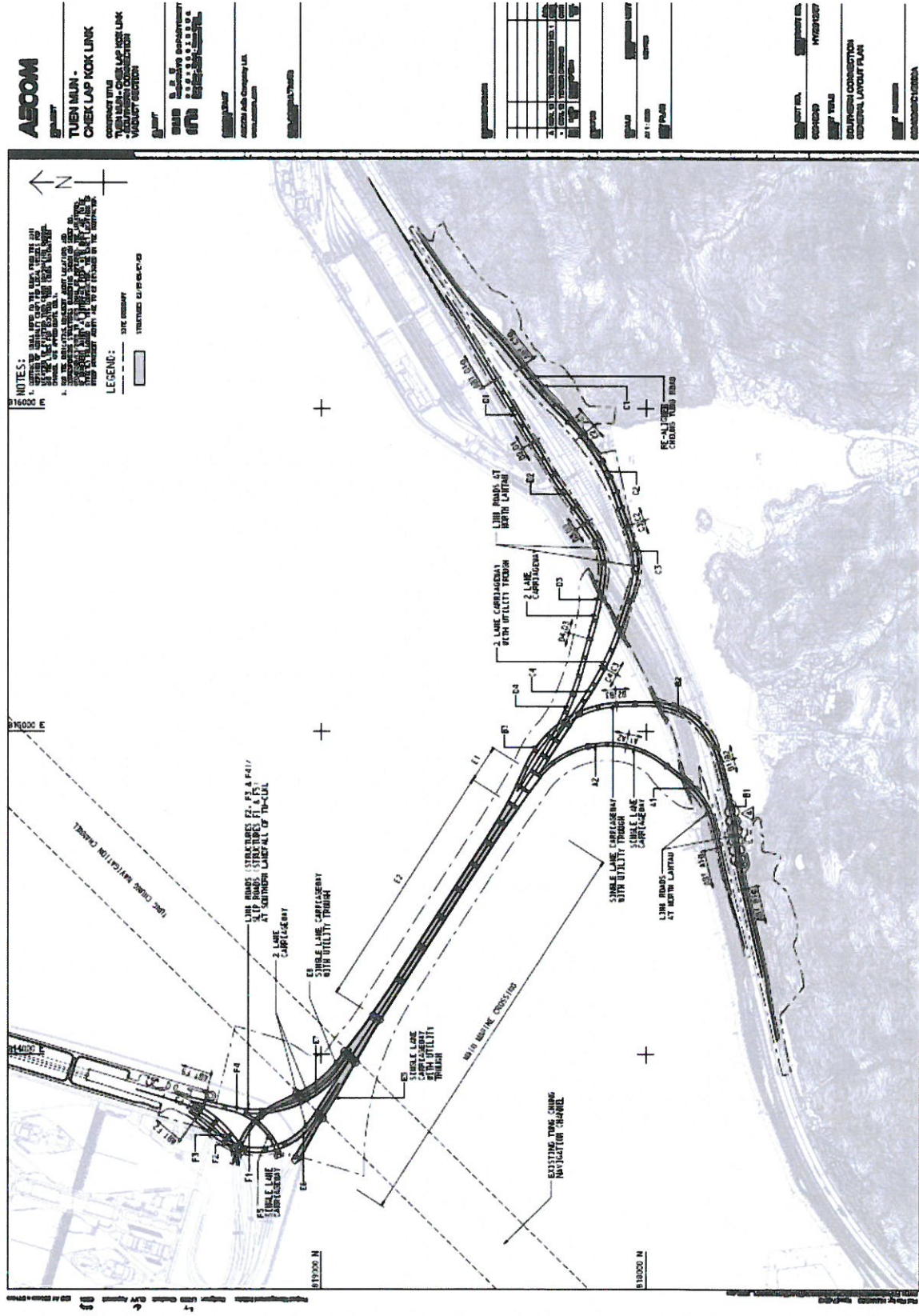
5 IMPLEMENTATION OF EMERGENCY RESPONSE PLAN

5.1 Staff Training

All the operational staffs shall be briefed for spill prevention and emergency handling procedures during the mandatory work induction training. Qualified trainers, shall periodically conduct tool box talks to the operational staffs. Where appropriate, a demonstration of the spill kit, or similar equipment may be delivered to related Emergency Team members.

APPENDIX A

General Site Layout



APPENDIX B

Contacts of Emergency Parties

Contact	Telephone No.
Marine Department (VTC, Maritime Rescue & Oil Spill) (24 hrs)	2233 7801
North Lantau Hospital (switchboard) (24 hrs)	3467 7000
Tuen Mun Hospital (switchboard) (24 hrs)	2468 5111
Transport Department (General Enquires)	2804 2600
Transport Department (Emergency Transport Co-ordination Centre)	2410 0066
Environmental Protection Department (For marine spill, LI Kim Man (S(WP)1) / Leung Hing-biu, Joseph (E(WP)13)	2411 9604 / 2594 6152
Environmental Protection Department (Regional South Office)	2516 1718
Agriculture, Fisheries and Conservation Department	2150 6882
Hong Kong Flying Services	2305 8212
Airport Authority (Fault Response Team Management Office)	2183 6888
Airport Authority (Integrated Airport Centre)	2181 8118
Drainage Services Department	2300 1110
Water Services Department	2824 5000
Fire Services Department / Tung Chung Fire Station	2723 2233 / 2988 1898
Hong Kong Police Force / Hong Kong-Zhuhai-Macao Bridge Hong Kong Port Police Reporting Centre	2527 7177 / 3195 2342
HK & China Gas	2880 6999
PCCW	109
Typhoon Enquiry (Hotline)	2835 1473
Weather Enquiry (Hotline)	187 8200
Thunderstorm Enquiry (Hotline)	2926 8473

APPENDIX C

**Implementation Schedule of
Emergency Response Plan for
Accidental Spillage**

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

Implementation Schedule of Emergency Response Plan for Accidental Spillage

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to implement the measures?	Implementation status (as of July 2020)
Accidental Spillage (Operation Phase)						
S6.8.4.8 & EP S3.17	Emergency Response Plan for spillage of oil and chemicals The Permit Holder shall, no later than 2 months before the commencement of operation of the Project, deposit with the Director three sets of a detailed Emergency Response Plan (ERP) on how to prevent oil and chemical spillages caused by traffic incidents on the carriageway from entering into the waterbody.	Mitigation of accidental spillage by oil tankers into water bodies	Contractor of HY/2012/07 and Highways Department Cross Boundary Maintenance Section	TM-CLKL	Construction and Operation stage	Works under Contract HY/2012/07 completed and viaducts opened to traffic.