

Civil Engineering and Development Department

**EP-337/2009 & EP-445/2013/B
Contract No. KL/2014/01**

**Kai Tak Development –
Stage 2 Infrastructure works for
Developments at Southern Part of the
Former Runway
Final EM&A Summary Report**

(Version 1.1)

Approved By



(Mr. KS Lee,
Environmental Team Leader)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties.

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Our ref: 8-7-2024

8-7-2024

By email: fanny.lau@aecom-ktd.com and By hand

Supervising Officer Representative

Aecom Asia Co Ltd.

8/F Grand Central Plaza Tower 2

138 Shatin Rural Committee Road Sha Tin, N.T. Hong Kong

(Attn: Ms. Fanny Lau)

Dear Ms. Lau,

Re: Contract No. KL/2014/01 (Environmental Permit Nos. EP-337/2009 and EP-445/2013/B)

Kai Tak Development –Stage 2 Infrastructure Works for Developments at Southern Part of the Former Runway

Final EM&A Summary Report (Version 1.1)

Reference is made to the Environmental Team's submission of the Final EM&A Summary Report (Version 1.1) provided to Independent Environmental Checker (IEC) via an email on 8th July 2024 for review and comment.

Please be informed that IEC has no adverse comment on the captioned submission. IEC hereby verifies the captioned submission in accordance with Specific Condition 2.2 of the Environmental Permit No. 337/2009 and 445/2013/B.

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

Ka Shing Management Consultant Limited



Mr. W.H. Lee

Independent Environmental Checker

c.c.	CEDD	Ms. CHAN	(By email: kychan@cedd.gov.hk)
	AECOM	Mr. Darren Lee	(By email: Darren.Lee@aecom-ktd.com)
	Cinotech	Mr. K.S Lee	(By email: ks.lee@cinotech.com.hk)

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EXECUTIVE SUMMARY

Introduction

1. This is the Final Environmental Monitoring and Audit (EM&A) Summary Report prepared by Cinotech Consultants Ltd. under “Agreement No. KL/2014/01 Kai Tak Development – Stage 2 Infrastructure Works” (hereinafter called “the Project”. This report documents the findings of EM&A Works of the Project. This contract work comprises two Schedule 2 Designated Projects (DP), namely the new distributor road D4 (part) and roads D3A & D4A serving the planned KTD. The DPs fall under the purview of Environmental Permits (EP) No.: EP-337/2009 (“New distributor roads serving the planned Kai Tak Development”) and EP-445/2013/B (“Kai Tak Development - Roads D3A & D4A”), respectively.
2. With reference to the same principle of EIA report of the Project, no air quality monitoring station within 500m and noise monitoring station within 300m from the boundary of this Project are considered as relevant monitoring locations.
3. The proposal for Termination of EM&A Programme under this Contract was justified by the ET Leader, verified by the IEC on 27 November 2023, approved by EPD on 20 May 2024.
4. This Final EM&A Review Report summarizes the findings on the EM&A programme described above during the period between April 2016 and October 2023.

Summary of Construction Works undertaken in the Construction Period

5. The construction works undertaken by Agreement No. KL/2014/01 under the EP was commenced on April 2016 and have been substantially completed in July 2022. The remaining defect rectification works were also completed in 25 October 2023. The scopes of construction works completed by the Contractor under EP-337/2009 & EP-445/2013/B are listed below:

EP-337/2009- Road D4

- Upgrading of the existing single 2-lane carriageway of about 0.3 km long on Kai Tak Bridge to a dual 2-lane carriageway;

EP-445/2013/B- Road D3A&D4A

- Construction of the following items of works mainly located at the former runway.
- Realignment and widening of the existing single 2-lane Shing Fung Road to form a dual 2-lane distributor road of about 1.4 kilometers (km) long;
- Associated single 2-lane roads (including a vehicular underpass) with a total length of about 0.6 km branching off from the realigned Shing Fung Road to the sites along the road;
- An elevated landscaped deck with lifts and staircases of about 1.4 km long with minimum 11 meters (m) in width above the realigned Shing Fung Road serving as part of a semi-enclosure noise barrier and also as a public open space; and
- Roadside noise barriers with a total length of about 1.1 km long alongside the realigned Shing Fung Road and integrated with the elevated landscaped deck;

- Construction of associated footpaths, pedestrian streets, street lighting, traffic aids, drainage, sewerage, water mains, landscaping and ancillary works;

Environmental Monitoring Works and Audit Works

6. During construction phase, no environmental monitoring works for the Project is required in Air Quality, Construction Noise and Water Quality.
7. During the establishment period, the monitoring of planting works during the 12-month Establishment period after completion of the construction works were completed.
8. Site Inspections/Audits were conducted once per week. The implementation of the environmental mitigation measures, Event Action Plans and environmental complaint handling procedures were also checked.
9. Waste generated from this Project includes inert construction and demolition (C&D) materials and non-inert C&D materials. Details of waste management data are presented in Section 3 and **Appendix C**.

Environmental Non-conformance/Complaint/Summons and Successful Prosecution

10. Summary of environmental-related prosecutions, summons and complaints in the reporting period is tabulated in **Table I**.

Table I Summary Table for environmental-related prosecutions, summons and complaints in the Reporting Period

Event	Event Details		Action Taken	Status	Remark
	Number	Nature			
Complaint received	0	---	N/A	N/A	---
Reporting changes	0	---	N/A	N/A	---
Notifications of any summons & prosecutions received	0	---	N/A	N/A	---

11. Environmental monitoring works for the Project were considered effective and is generating data to categorically identify the environmental impacts from the works and influencing factors in the vicinity of monitoring stations. The practicality and effectiveness of the EIA process and EM&A programme was checked and reviewed. The performance of the environmental management system was considered satisfactory.

1. INTRODUCTION

Background

- 1.1 The Kai Tak Development (KTD) is located in the south-eastern part of Kowloon Peninsula, comprising the apron and runway areas of the former Kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling. It covers a land area of about 328 hectares. Stage 2 Infrastructure Works for Developments for Southern Part of the Former Runway is one of the construction stages of KTD. It contains two Schedule 2 DPs including new distributor roads serving the planned KTD and KTD Roads D3A & D4A. The general layout of the Project is shown in **Figure 1**.
- 1.2 One Environmental Permit (EP) No.: EP-337/2009 was issued on 23 April 2009 for new distributor roads serving the planned KTD and one Environmental Permit No.: EP-445/2013 was issued on 3 May 2013 for Kai Tak Development Roads D3A & D4A to Civil Engineering and Development Department (CEDD) as the Permit Holder. Pursuant to Section 13 of the EIAO, the Director of Environmental Protection Department amended the Environmental Permit No.: EP-445/2013 based on the Application No. VEP-449/2014 and the Environmental Permit (No.: EP-445/2013/A) was issued on 13 August 2014. The Environmental Permit (No.: EP-445/2013/A) was further amended and the Environmental Permit (No.: EP-445/2013/B) was issued on 3 May 2022.
- 1.3 A study of environmental impact assessment (EIA) was undertaken to consider the key issues of air quality, noise, water quality, waste, land contamination, cultural heritage and landscape and visual impact, and identify possible mitigation measures associated with the works. EIA Reports (Register No. AEIAR-130/2009 and AEIAR-170/2013) were approved by the Environmental Protection Department (EPD) on 4 March 2009 and 3 May 2013 respectively.
- 1.4 Cinotech Consultants Limited (Cinotech) was commissioned by CEDD as the Environmental Team (ET) to undertake environmental monitoring and auditing services for the Project to ensure that the environmental performance of the Works Contracts complies with the requirements specified in the EP Environmental Monitoring & Audit (EM&A) Programme.
- 1.5 The proposal for Termination of EM&A Programme under this Contract was justified by the ET Leader, verified by the IEC on 27 November 2023, approved by EPD on 20 May 2024.
- 1.6 This Final EM&A Review Report summarizes the findings on the EM&A programme described above during the period between April 2016 and October 2023.

Project Organizations

1.7 The key contacts of the Project are shown in **Table 1.1**.

Table 1.1 Key Project Contacts

Party	Role	Contact Person	Position	Phone No.	Fax No.
CEDD	Project Proponent	Ms. KY Chan	Engineer	3579 2458	2739 0076
AECOM	Supervising Officer	Mr. Darren Lee	SRE	3911 4207	3911 4288
Cinotech	Environmental Team	Mr. K S Lee	Environmental Team Leader	2151 2091	3107 1388
		Ms. Betty Choi	Audit Team Leader	2151 2072	
KSMC	Independent Environmental Checker	Mr. Happy Lee	IEC	2618 2166	2120 7752
CCJV	Contractor	Mr. Eric So	Environmental Officer	6013 8048	2960 1399

1.8 The Organizational Structure for Environmental Management is shown in **Figure 2**.

The Proposed Scope of Works

1.9 The construction works undertaken by Agreement No. KL/2014/01 under the EP was commenced on April 2016 and was substantially completed in June 2023. The scopes of construction works completed by the Contractor under EP-337/2009 & EP-445/2013/B are listed below:

EP-337/2009- Road D4

- Upgrading of the existing single 2-lane carriageway of about 0.3 km long on Kai Tak Bridge to a dual 2-lane carriageway;

EP-445/2013/B- Road D3A&D4A

- Construction of the following items of works mainly located at the former runway.
- Realignment and widening of the existing single 2-lane Shing Fung Road to form a dual 2-lane distributor road of about 1.4 kilometers (km) long;
- Associated single 2-lane roads (including a vehicular underpass) with a total length of about 0.6 km branching off from the realigned Shing Fung Road to the sites along the road;
- An elevated landscaped deck with lifts and staircases of about 1.4 km long with minimum 11 meters (m) in width above the realigned Shing Fung Road serving as part of a semi-enclosure noise barrier and also as a public open space; and
- Roadside noise barriers with a total length of about 1.1 km long alongside the realigned Shing Fung Road and integrated with the elevated landscaped deck;

- Construction of associated footpaths, pedestrian streets, street lighting, traffic aids, drainage, sewerage, water mains, landscaping and ancillary works.

Major site activities during past twelve month

- 1.10 The major site activities undertaken during past twelve month included:
- Architectural features ratification works at ground floor open space and at deck level;
 - DCS modification works at Shing Fung Road;
 - Preparation for Rebar fixing works for Omega Joint Installation at Underpass;
 - Defect rectification works of pedestrian streets;
 - E&M works;
 - Deck movement joint rectification
 - Planting works at roundabout & footpath;
 - TTA implementation for minor works at Shing Fung Road and Wang Chiu Road/ Kai Cheung Road;
 - Deck cladding rectification and modification.
 - Laying of paving blocks for footpath; and
 - Noise barrier rectification and modification.
- 1.11 The completion certificate of construction works is shown in **Appendix A**, whereas the endorsement letters of Proposal for Termination of EM&A Programme by IEC and EPD are shown in **Appendix B**.

Summary of EM&A Requirements

- 1.12 The EM&A programme requires landscape and visual monitoring, as well as an environmental site audit, including:
- Event and Action Plans;
 - Environmental mitigation measures, as recommended in the EIA Reports, Environmental Review Reports and EM&A Manuals
- 1.13 The advice on the implementation status of environmental protection and pollution control/mitigation measures is summarized in **Appendix E** of this report.

2. ENVIRONMENTAL MONITORING REQUIREMENTS

Air Quality

Monitoring Requirements

- 2.1 With reference to the same principle of EIA report of the Project, air quality monitoring station should be provided at the Air Sensitive Receivers (ASR) within 500 m from the boundary of this Project. With the implementation of the proposed dust suppression measures & good site practices, no unacceptable dust impact would be expected at the ASRs. No air quality monitoring during the construction phase is required.
- 2.2 However, regular site audits (at least once per week) should be conducted to inspect construction activities and work areas, ensuring that the recommended mitigation measures are properly implemented.

Observations

- 2.3 Site audits were carried out on a weekly basis throughout the construction period to monitor and audit the timely implementation of air quality mitigation measures within the site boundaries of this Project. The summaries of site audits are attached in **Table 3.1**.

Construction Noise

Monitoring Requirements

- 2.4 With reference to the same principle of EIA report of the Project, construction noise monitoring station should be provided at the Noise Sensitive Receivers (NSR) within 300 m from the boundary of this Project. With recommended mitigation measures properly in place, no adverse noise impact would be expected at the NSRs. No construction noise monitoring during the construction phase is required.
- 2.5 However, regular site audits (at least once per week) should be undertaken to inspect the construction activities and works areas in order to ensure the recommended mitigation measures are properly implemented.

Observations

- 2.6 Site audits were carried out on a weekly basis throughout the construction period to monitor and audit the timely implementation of construction noise mitigation measures within the site boundaries of this Project. The summaries of site audits are attached in **Table 3.1**.
- 2.7 All noise barriers and noise screening structures were properly implemented in accordance with the detailed design plan before population intake of any residential uses in the Runway Precinct of the Kai Tak Development (November 2022). All noise mitigation measures implemented were properly maintained during operation of the Project.

*Water Quality Monitoring***Monitoring Requirements**

- 2.8 According to the approved EM&A Manuals, there would not be any marine-based works for the proposed works. No off-site marine water quality impact would be expected from the Project. No water quality monitoring during the construction phase is required.
- 2.9 However, regular site audits (at least once per week) should be undertaken to inspect the construction activities and works areas in order to ensure the recommended mitigation measures are properly implemented.

Observations

- 2.10 Site audits were carried out on a weekly basis throughout the construction period to monitor and audit the timely implementation of water quality mitigation measures within the site boundaries of this Project. The summaries of site audits are attached in **Table 3.1**.

*Landscape and Visual***Monitoring Requirements**

- 2.11 According to the approved EM&A Manual, measures to mitigate landscape and visual impacts during construction should be checked by regular site audits (at least once per week) to ensure compliance with the intended aims of the measures.
- 2.12 Monitoring of the planting works during the 12-month Establishment period after completion of the construction works should be conducted to monitor the implementation of subsequent maintained operations.

Observations

- 2.13 Site audits were carried out on a weekly basis throughout the construction period to monitor and audit the timely implementation of landscape and visual impact mitigation measures within the site boundaries of this Project. The landscape and visual mitigation measures had been implemented in accordance with the recommendations of the Landscape Mitigation Plan. The summaries of site audits are attached in **Table 3.1**.
- 2.14 Monitoring of the planting works after completion of the construction works was conducted from July 2021 to July 2022 every 3 months. All planting works at the selected monitoring locations were properly maintained.
- 2.15 Should non-compliance of the landscape and visual impacts occur, actions in accordance with the action plan shown in **Appendix D** should be carried out.

3. ENVIRONMENT AUDIT

Site Inspections

- 3.1 Site audit was carried out by representatives of the Contractor, Engineer and ET on weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site. The representative of the IEC joined the site inspections once per month.

Review of Environmental Monitoring Procedures

- 3.2 The monitoring works conducted by the monitoring team were inspected during the operation phase. The following observations have been recorded for the monitoring works:

Landscape and visual

- All photos recording the maintenance of planting works at the monitoring location under the project were properly kept.

Implementation Status of Environmental Mitigation Measures

- 3.3 According to the EIA Study Report, Environmental Permit and the EM&A Manual of the Project, the mitigation measures detailed in the documents are recommended to be implemented during the construction phase. A Summary of the Environmental Mitigation Implementation Schedule (EMIS) is provided in **Appendix E**.

Review of the Reasons for and the Implications of Non-compliance

- 3.4 There was no non-compliance from the site audits in the reporting period. The observations and recommendations made in each individual site audit session were attached in the Monthly EM&A Reports.
- 3.5 The major findings and the corresponding recommendations given during the site audits are summarized in **Table 3.1**.

Table 3.1 Major Findings and Corresponding Recommendations Given during Site Inspections

Parameters	Observations / Reminders	Corresponding Recommendations
<i>Water Quality</i>	Silt and sediment was observed in wheel washing bay.	Silt and sediment in wheel washing bay should be properly and regularly removed.
	Sandbag bund was not provided next to the wheel washing bay.	Sandbag bund should be provided next to the wheel washing bay to avoid silty runoff out of the site boundary.
	Stagnant water was observed.	Stagnant water should be cleared.

Parameters	Observations / Reminders	Corresponding Recommendations
	Wheel washing facility was not provided at site entrance	Wheel washing facility should be provided at site entrance
<i>Air Quality</i>	Dust trail was found to be dirty and wheel washing facility was not provided.	Dust trail should be properly cleared and wheel washing facility should be provided.
	No water spraying was provided in the exposed area.	Water spraying should be provided frequently to exposed area and haul road.
	NRMM label was missing on PMEs.	NRMM label should be displayed on PMEs.
	Bagged cement was not covered.	Bagged cement should be covered with impervious materials to prevent dust generation.
	Stockpile was not covered.	Dusty stockpile should be covered properly to suppress dust generation to minimize dust generation.
<i>Waste / Chemical Management</i>	General refuse and construction waste was accumulated on-site.	General refuse and construction waste should be properly disposed of to prevent accumulation.
	Chemical containers were observed to be placed on the unpaved ground.	Drip tray should be provided to chemical / oil containers.
	Rubbish bin was not provided on-site.	Rubbish bin should be provided to collect general refuse.
	Stagnant water was observed to be accumulated in drip tray.	The wastewater should be cleared and treated as chemical waste.
	Oil stain was observed on the ground.	Oil stain should be properly removed and disposed as chemical waste.
<i>Landscape and Visual</i>	Fencing of tree protection zones was not provided.	Fencing of tree protection zones should be provided to protect existing trees.
	Construction materials were placed nearby the existing trees.	Construction materials should be placed away from existing trees and tree protection zone should be properly set up.
<i>Permits/ Licenses</i>	No Environmental permit was observed to be displayed at site entrance.	The Environmental permit should be displayed at site entrance.

Waste Management

- 3.6 There was no non-compliance from the site audits in the reporting period. The observations and recommendations made in each individual site audit session were attached in the Monthly EM&A Reports.
- 3.7 Waste management during the construction phase will be the Contractor's responsibility to ensure that all wastes produced during the construction of the Project are handled, stored and disposed of in accordance with good waste management practices and EPD's regulations and requirements.
- 3.8 Wastes generated by construction activities are likely to include construction and demolition(C&D) materials generated from the road works, general refuse from the workforce and chemical waste generated from the maintenance and servicing of construction plant and equipment.
- 3.9 Site audits were carried out on a weekly basis throughout the construction period to monitor and audit the timely implementation of waste management mitigation measures within the site boundaries of this Project. The summaries of site audits are attached in **Table 3.1**.
- 3.10 The quantities of different types of waste generated in the construction are summarized in **Table 3.2**. Details of the amount of wastes generated by the major site activities of this Project during the construction period are shown in **Appendix C**.

Table 3.2 Quantities of Waste Generated from the Project

Whole Construction Period	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects *	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in tonne)
	304839.9	6.34	0	45323.91	257009.7	0	3.8038	2.204	0.581	0	9365.91

Summary of Non-Compliance (Exceedances)

- 3.11 No air quality, construction noise and water quality monitoring is required during construction period. No Non-Compliance (Exceedances) was recorded in the construction period.

Summary of Environmental Complaints, Notification of Summons and Prosecutions

- 3.12 No non-compliance for Landscape and Visual impact was recorded during the construction period.
- 3.13 No environmental non-compliance, project-related complaint, prosecutions and notification of summons was recorded in the construction period.
- 3.14 The summaries of environmental complaint, warning, summon and notification of successful prosecution for the Project are presented in **Appendix F**.

4. COMMENTS, CONCLUSIONS AND RECOMMENDATIONS

Review on Validity of Predictions of EM&A Programme

- 4.1 According to the email and the completion certification provided by AECOM, the construction works undertaken by Contract No. KL/2014/01 under the EP was commenced in April 2016 and was substantially completed in July 2022. The remaining defect rectification works were also completed in 25 October 2023. No significant adverse environmental impacts are anticipated in the remaining construction works. The proposal for Termination of EM&A Programme under this Contract was justified by the ET Leader, verified by the IEC on 27 November 2023, approved by EPD on 18 May 2024.
- 4.2 It is predicted in the EM&A Programme that with the implementation of the recommended mitigation measures, there would be no unacceptable or residual noise impacts, dust generation arising from the project-related construction works. The EM&A program only requires construction phase monitoring for environmental site audit. No air quality, construction noise & water quality monitoring is required on the construction phase.
- 4.3 The weekly site inspections were conducted to ensure the implementation and efficiency of the mitigation measures. The Contractor has implemented the recommended mitigation measures properly during the whole construction period. No significant deficiencies of the environmental protection and pollution control measures were recorded. Therefore, the environmental performance of the Project was acceptable.
- 4.4 Therefore, the overall performance of the monitoring methodology adopted and environmental management system in the project was effective.

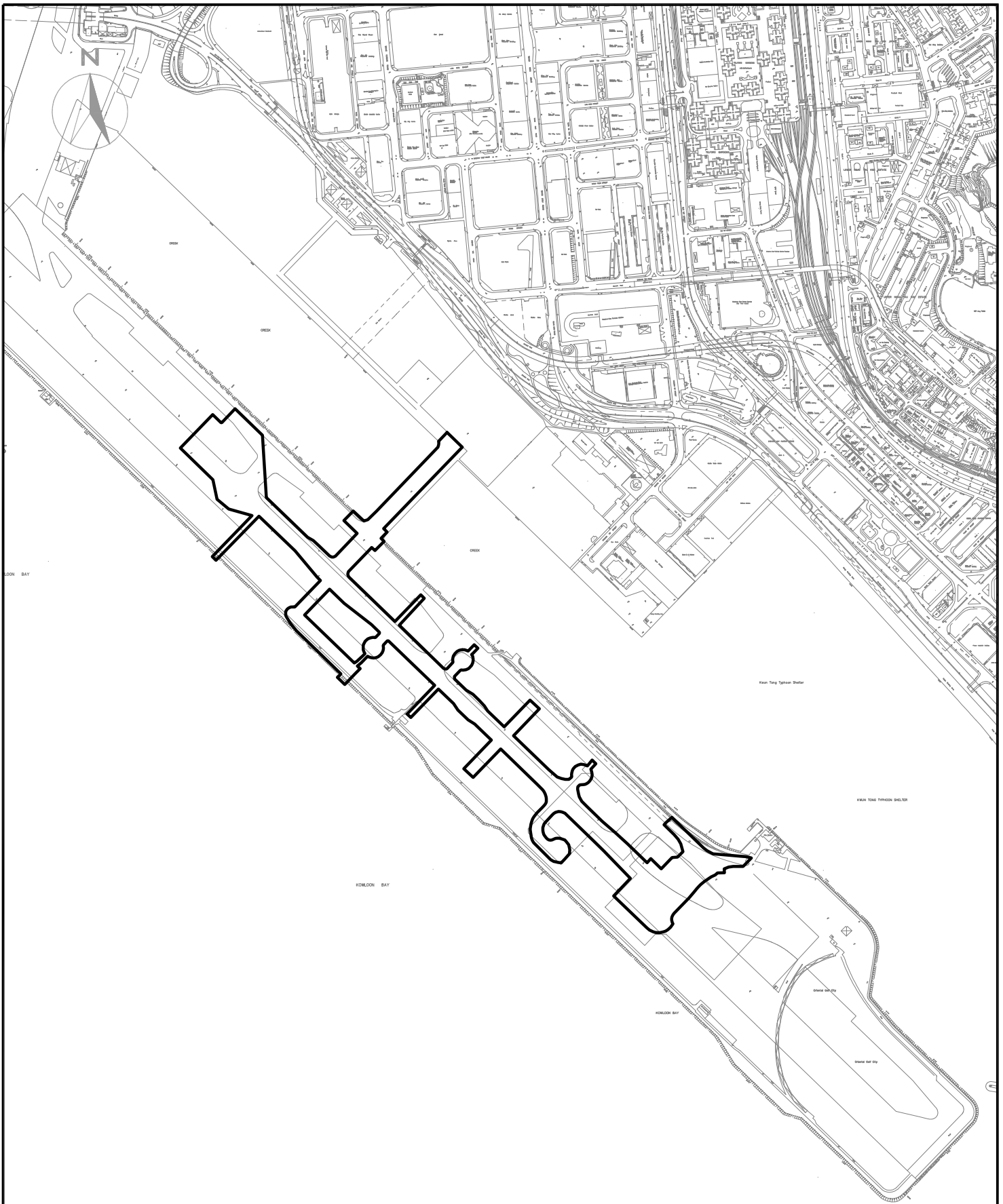
Overall EM&A


- 4.5 No non-conformance was identified during site inspections in the reporting period.
- 4.6 No environmental project-related complaint, prosecutions and notification of summons was recorded in the construction period.

Conclusion and Recommendation

- 4.7 The recommended environmental mitigation measures, as proposed in the EIA report and EM&A Manual shall be effectively implemented to minimize the potential environmental impacts from the Project. The EM&A programme would effectively monitor the environmental impacts generated from the construction activities and ensure the proper implementation of mitigation measures.
- 4.8 With the success of the overall EM&A programme, the deterioration of the environment caused by the Project was cost-effectively identified and necessary prompt effective mitigation measures were implemented to avoid any unacceptable impacts. In conclusion, the Project was environmentally acceptable.

FIGURES



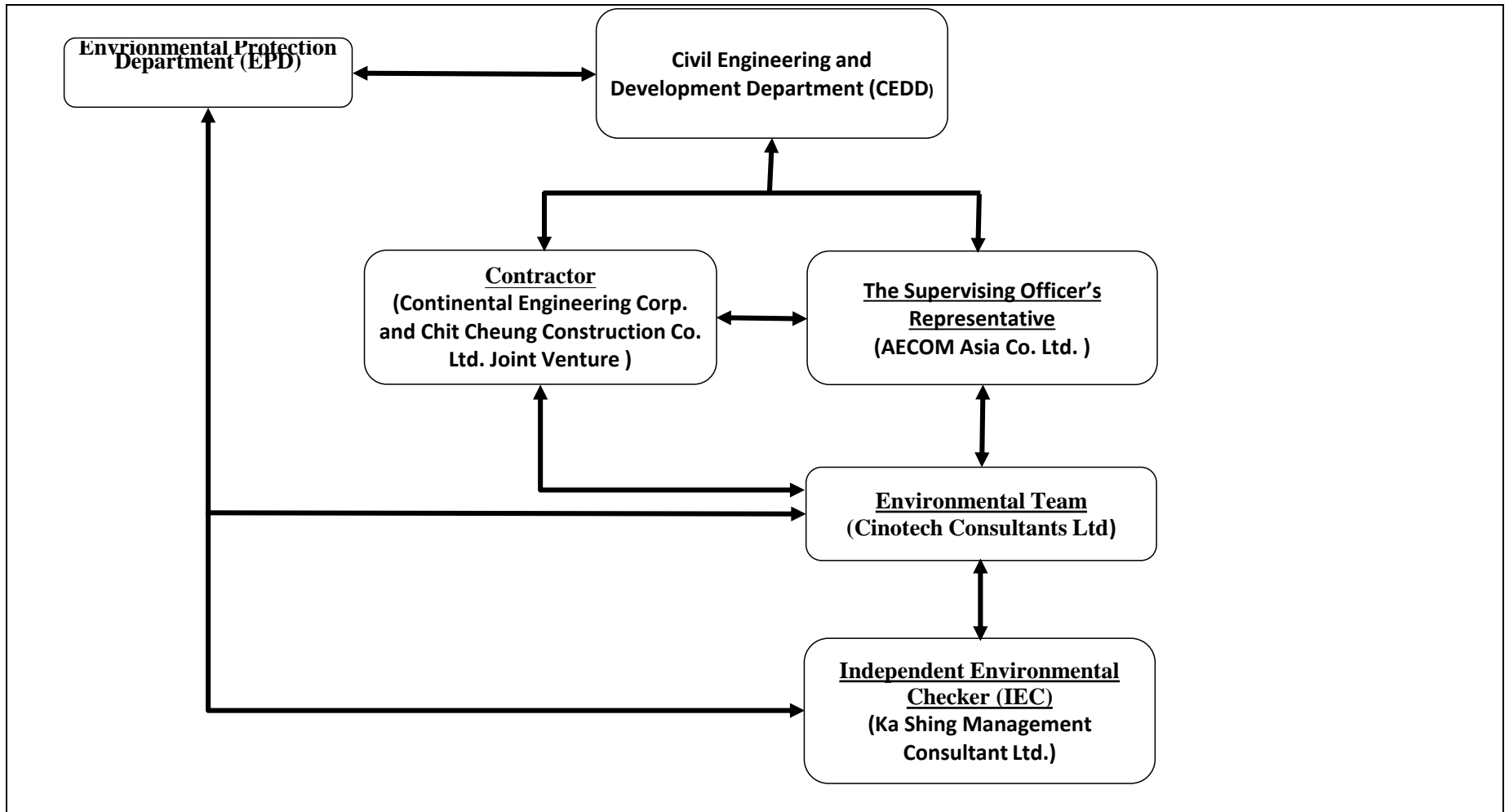
LEGEND:	
	SITE BOUNDARY

CINOTECH
Cinotech Consultants Limited

KL/2014/01 KAI TAK DEVELOPMENT - STAGE 2
INFRASTRUCTURE WORKS FOR DEVELOPMENT AT
SOUTHERN PART OF THE FORMER RUNWAY

SITE LAYOUT PLAN

SCALE	1:1000@A4	DATE	MAY 2016
CHECK	JL	DRAWN	JW
JOB No.	MA15046	FIGURE NO.	1
		REV	-



Title	Contract No.KL/2014/01 Kai Tak Development – Stage 2 Infrastructure Works for Developments at the Southern Part of the Former Runway Organization Chart	Scale	N.T.S	Project No.	MA15046	
		Date	Feb-23	Figure	2	

**APPENDIX A
COMPLETION CERTIFICATE OF
CONSTRUCTION WORKS**

Your Ref: KL201401/01/01/02/L6585

Our Ref: SLYY:CCTC:cmyw:60022408/M15/900(0045)-2022015117L

4 November 2022

BY HAND

Mr. Steve Thompson and Mr. Yung Kim Man
 CEC – CCC Joint Venture
 Unit 2325A, 23/F, One Taikoo Place
 979 King's Road
 Quarry Bay, Hong Kong

Dear Sirs,

**Contract No. KL/2014/01
 Kai Tak Development – Stage 2 Infrastructure Works
 for Developments at the Southern Part of the Former Runway**

Certificate of Completion of the Works

In accordance with Clause 53 of the General Conditions of Contract, we hereby certify that the Works was substantially completed on 31 July 2022.

This certificate is issued following receipt of your request for a certificate of completion of the Works via your letter ref. KL201401/01/01/02/L6585 dated 18 October 2022 received by us on 21 October 2022, accompanied by your undertaking to carry out any outstanding works and / or rectification of any defective works during the relevant Maintenance Period(s), including but not limited to the items listed in the letters below, excluding those items which have been completed / rectified, and accepted by us.

Letter ref.	Subject	Date
SLYY:LY:kpy:60022408/M15/900(0007)-2018003487W	Certificate of Completion No. 2 in respect of Section 1 of the Works	27 April 2018
SLYY:LY:cmyw:60022408/M15/900(0012)-2020002581L	Certificate of Completion No. 3 in respect of Section 3 of the Works	24 April 2020
SLYY:LY:cmyw:60022408/M15/900(0036)-2020011332L	Certificate of Completion No. 7 in respect of Section 2 of the Works	20 October 2020
SLYY:LY:cmyw:60022408/M15/900(0036)-2020011333L	Certificate of Completion No. 8 in respect of Section 4 of the Works	20 October 2020
SLYY:LY:cmyw:60022408/M15/900(0036)-2020011334L	Certificate of Completion No. 9 in respect of Section 6 of the Works	20 October 2020
SLYY:CCTC:cmyw:60022408/M15/900(0044)-2022015116L	Certificate of Completion No. 10 in respect of Section 5 of the Works	4 November 2022

Yours faithfully,
 For and on behalf of
 AECOM Asia Company Limited


 Stephen Lai
 The Supervising Officer for this Contract

cc D of A - Attn: Mr. Nelson Lam, JP (By Fax 2824 2087)
 CTA(F), DEVB - Attn: Mr. Lewis So (By Fax 2523 3950)
 STA, CEDD - Attn: Mr. Keith Yuen (By Fax 2715 5114)
 SE/CA, CEDD - Attn: Mr. Thomas Fu (By Fax 2711 7571)
 CEDD/EDevO - Attn: Mr. Jason Wong (By Fax 2739 0076)
 CRE (KL/2014/01) - Attn: Mr. Clive Cheng (By Hand)

KL/2014/01 - Termination of EM&A Monitoring

1 message

From: **Darren Lee**<Darren.Lee@aecom-ktd.com>

Fri, Oct 6, 2023, 5:38 PM

To: Charles.Fung<charles.fung@cinotech.com.hk>

Dear Charles,

Attached please find the certificate of completion of the works.

The Substantial Completion Certificate was issued on 31 July 2022 and the outstanding works under the Contract No. KL/2014/01 have been completed. The remaining defect rectification works are expected to be completed in October 2023. No further significant environmental nuisance will therefore be caused by the works under the Contract No. KL/2014/01.

Regards,

Darren Lee


Senior Resident Engineer

Kai Tak Development (ED/2018/01 & KL/2014/01)

AECOM

D: 3911 4207

 1 attachment (70.0 KB)

 KL201401 - Certificate of Completion of the Works(2022015117L)
PDF - 70.0 KB

**APPENDIX B
ENDORSEMENT LETTER OF PROPOSAL
FOR TERMINATION OF EM&A
PROGRAMME**

RE: Contract No. KL/2014/01 Kai Tak Development – Stage 2 _ Proposal for Termination of EM&A Programme

From: **Darren Lee**<Darren.Lee@aecom-ktd.com>

Fri, Nov 24, 2023, 6:34 PM

To: Ka Shing Management Consultant Limited<iecteammate2@ka-shing.net>,
Charles.Fung<charles.fung@cinotech.com.hk>

Cc: kychan<kychan@cedd.gov.hk>, Serena Ng<serena.ng@cinotech.com.hk>,
KK Kwan<kk.kwan@cinotech.com.hk>, Colman Wong<colman.wong@cinotech.com.hk>,
Marian Choi<marian.choi@aecom-ktd.com>

Dear Charles Fung,

We have no adverse comments on the proposal.

Regards

Darren

▼ Hide email thread

From: Ka Shing Management Consultant Limited <iecteammate2@ka-shing.net>

Sent: Friday, November 24, 2023 3:13 PM

To: Charles.Fung <charles.fung@cinotech.com.hk>

Cc: Darren Lee <Darren.Lee@aecom-ktd.com>; kychan <kychan@cedd.gov.hk>; Serena Ng <serena.ng@cinotech.com.hk>; KK Kwan <kk.kwan@cinotech.com.hk>; Colman Wong <colman.wong@cinotech.com.hk>; Marian Choi <marian.choi@aecom-ktd.com>

Subject: Re: Contract No. KL/2014/01 Kai Tak Development – Stage 2 _ Proposal for Termination of EM&A Programme

Dear Charles Fung,

We have no adverse comments, provided that the contents of the documents are true and correct

Please feel free to contact Mr. lui at 9584 1565

BR

Ming

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Charles.Fung 於 2023-11-24 12:11 寫到:

Contract No. KL/2014/01

Kai Tak Development - Stage 2 Infrastructure Works for Developments at the Southern Part of the Former Runway

Dear All

Please find the signed proposal at the following link for your review: <https://files.cinotech.com.hk/download/MA15046/Signed> Termination of EM&A_cf231124 .

If no comment is received from CEDD, RE & IEC , the proposal will be submitted to EPD for approval. Thank you.

Best Regards,

Charles Fung

[Tel:2151](tel:21512080) 2080

Cinotech Consultants Limited

From: "Charles.Fung" <charles.fung@cinotech.com.hk>

Date: Thu, Oct 26, 2023, 12:44 PM

Subject: Contract No. KL/2014/01 Kai Tak Development – Stage 2 _ Proposal for Termination of EM&A Programme

To: "iecteammate2" <iecteammate2@ka-shing.net>, "Darren Lee" <darren.lee@aecom-ktd.com>, "Marian Choi" <marian.choi@aecom-ktd.com>, "kychan" <kychan@cedd.gov.hk>
Cc: "Serena Ng" <serena.ng@cinotech.com.hk>, "KK Kwan" <kk.kwan@cinotech.com.hk>, "Colman Wong" <colman.wong@cinotech.com.hk>, "p001" <p001@lemaxhk.com.hk>

Contract No. KL/2014/01

Kai Tak Development - Stage 2 Infrastructure Works for Developments at the Southern Part of the Former Runway

Dear All

According to the RE and our onsite observation, the proposed construction works under this contract was completed. As no major environmental impact is expected , we are writing to submit herewith a Proposal for Termination of EM&A Programme. Please find the proposal at the following link for your review: [https://files.cinotech.com.hk/download/MA15046/Draft Termination of EM&A_cf231026](https://files.cinotech.com.hk/download/MA15046/Draft%20Termination%20of%20EM&A_cf231026) .

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BR

Ming

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Charles.Fung 於 2023-11-24 12:11 寫到:

Contract No. KL/2014/01

Kai Tak Development - Stage 2 Infrastructure Works for Developments at the Southern Part of the Former Runway

Dear All

Please find the signed proposal at the following link for your review:[https://files.cinotech.com.hk/download/MA15046/Signed Termination of EM&A_cf231124](https://files.cinotech.com.hk/download/MA15046/Signed%20Termination%20of%20EM&A_cf231124) .

If no comment is received from CEDD, RE & IEC , the proposal will be submitted to EPD for approval. Thank you.

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Charles Fung

Tel:2151 2080

Cinotech Consultants Limited

▼ Hide email thread

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RE: Contract No. KL/2014/01 Kai Tak Development – Stage 2 _ Proposal for Termination of EM&A Programme

From: **Darren Lee**<Darren.Lee@aecom-ktd.com>

Thu, Nov 30, 2023, 8:27 AM

To: Ka Shing Management Consultant Limited<iecteammate2@ka-shing.net>,
Charles.Fung<charles.fung@cinotech.com.hk>

Cc: kychan<kychan@cedd.gov.hk>, Serena Ng<serena.ng@cinotech.com.hk>,
KK Kwan<kk.kwan@cinotech.com.hk>, Colman Wong<colman.wong@cinotech.com.hk>,
Marian Choi<marian.choi@aecom-ktd.com>

Dear Charles Fung,

Please note that CEDD agree with the proposal.

Regards

Darren

▼ Hide email thread

From: Darren Lee

Sent: Friday, November 24, 2023 6:34 PM

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Charles Fung

[Tel:2151](tel:21512080) 2080

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Cc: "Serena Ng" <serena.ng@cinotech.com.hk>, "KK Kwan" <kk.kwan@cinotech.com.hk>, "Colman Wong" <colman.wong@cinotech.com.hk>, "p001" <p001@lemaxhk.com.hk>

Contract No. KL/2014/01

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If no comment is received from CEDD, RE & IEC , the proposal will be submitted to EPD for approval. Thank you.

Best Regards,

Charles Fung

[Tel:2151](tel:21512080) 2080

Cinotech Consultants Limited

本署檔號
OUR REF: Ax(42) to EP2/K19/A/10 Pt. 3
來函檔號
YOUR REF:
電話
TEL. NO.: 2835 1155
圖文傳真
FAX NO: 2591 0558
電子郵件
E-MAIL:
網址
HOMEPAGE: <http://www.epd.gov.hk>

**Environmental Protection Department
Branch Office**

28th Floor, Southorn Centre,
130 Hennessy Road,
Wan Chai, Hong Kong.



環境保護署分處

香港灣仔
軒尼詩道
一百三十號
修頓中心廿八樓

20 May 2024

By Registered Post & Fax: 2739 0076

Civil Engineering and Development Department
8/F, South Tower,
West Kowloon Government Offices,
11 Hoi Ting Road,
Yau Ma Tei, Kowloon
(Attn: Mr. WONG Kai-chung, Jason, Senior Engineer/10(E))

Dear Mr. WONG,

**Environmental Impact Assessment Ordinance (EIAO), Cap.499
Project Title : Kai Tak Development – Roads D3A & D4A
Environmental Permit (EP) Nos.: EP-337/2009 and EP-445/2013/B**

**EP Condition 3.1 – Proposal for Termination of Environmental Monitoring & Audit (EM&A)
Programme under Contract No. KL/2014/01 Kai Tak Development –
Stage 2 Infrastructure Works at Former North Apron Area**

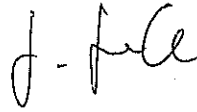
I refer to the Environmental Team Leader (ETL)'s letter dated 27 November 2023 (ref: MA15046/Corres/cf231127) and subsequent emails dated 19 February 2024 and 15 April 2024 seeking our approval on the proposal to terminate construction phase EM&A works for the works under Contract No. KL/2014/01 in accordance with EP Condition 3.1 of EP Nos. 337/2009 and 445/2013/B which has been justified by the ETL and verified by the Independent Environmental Checker (IEC).

2. According to the information provided and our site inspection on 12 December 2023, we note that (i) all the major construction works including landscaping works under Contract No. KL/2014/01 have been completed; (ii) site environmental audit have been conducted in accordance with the EM&A manuals; and (iii) there is no environmental prosecution and outstanding environmental complaint against the construction activities of Contract No. KL/2014/01. Hence, we have no objection to your proposal to terminate the construction phase EM&A works for the works under Contract No. KL/2014/01.

3. For avoidance of doubt, the proposal is approved for fulfilling the above Condition from the environmental perspective as examined under the EIAO and does not absolve the project proponent and/or its works agent(s) from any requirements or obligations under other laws in force in Hong Kong nor their liability due to any conflicts, nuisance or damages that the proposed works may cause to the third parties.

4. Should you have any queries regarding the above, please contact our Ms. Alice HSU at 2835 1151.

Yours sincerely,



(Leo LUK)

Acting Senior Environmental Protection Officer
for Director of Environmental Protection

c.c.

Cinotech (ETL)
KSMC (IEC)
AECOM

(Attn: Mr. K.S. LEE)

Fax: 3107 1388

(Attn: Mr. W.H. LEE)

Fax: 2120 7752

(Attn: Mr. Anthony LOK)

Fax: 2798 0783

Internal

S(RE)5

**APPENDIX C
WASTE FLOW TABLE**

Appendix C- Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No. KL/2014/01

Monthly Summary Waste Flow Table for 2016

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in tonne)
Jan											
Feb											
Mar											
Apr	0	0	0	0	0	0	0	0	0	0	3.69
May	929.49	0	0	0	929.49	0	0	0	0	0	42.73
June	2,861.45	6.34	0	0	2855.11	0	0.360	0.004	0	0	11.55
Sub-total	3,790.94	6.34	0.00	0	3784.60	0	0.0003	0.360	0.004	0	57.97
July	3,228.90	0	0	0	3228.90	0	0	0	0	0	19.89
Aug	5,068.14	0	0	0	5068.14	0	0	0	0	0	8.72
Sept	4703.17	0	0	0	4703.17	0	0	0	0	0	15.59
Oct	6222.41	0	0	0	6222.41	0	0	0.179	0.552	0	44.23
Nov	19729.94	0	0	0	19729.94	0	0	0	0	0	35.02
Dec	19544.98	0	0	0	19544.98	0	0	0	0	0	43.00
Total	62,288.48	6.34	0.00	0	62,282.14	0	0.0003	0.539	0.556	0	224.42

Appendix C - Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No: KL/2014/01

Monthly Summary Waste Flow Table for 2017

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in tonne)
Jan	15470.22	0	0	0	15470.22	0	0.0000	0.301	0.019	0	53.30
Feb	23173.51	0	0	0	23173.51	0	0.0000	0.000	0	0	9.20
Mar	27261.03	0	0	0	27261.03	0	0.0000	0.000	0	0	69.65
Apr	5637.28	0	0	0	5637.28	0	0.0000	0.000	0	0	23.62
May	12030.39	0	0	0	10778.01	0	0.0035	0.394	0.006	0	29.98
June	2733.74	0	0	0	2733.74	0	3.8000	0.000	0	0	47.08
Sub-total	86306.17	0	0	0	85053.79	0	3.8035	0.695	0.025	0	232.83
July	4929.19	0	0	0	4929.19	0	0	0	0	0	33.27
Aug	3696.53	0	0	0	3696.53	0	0	0	0	0	77.89
Sept	3102.44	0	0	0	3102.44	0	0	0	0	0	110.45
Oct	1419.90	0	0	0	1419.90	0	0	0	0	0	25.26
Nov	7329.85	0	0	0	7329.85	0	0	0	0	0	70.90
Dec	4543.07	0	0	0	4543.07	0	0	0	0	0	187.96
Total	111327.15	0	0	0	110074.77	0	3.8035	0.695	0.025	0	738.56

Appendix C - Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No: KL/2014/01

Monthly Summary Waste Flow Table for 2018

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in tonne)
Jan	5821.15	0	0	0	5821.15	0	0	0.020	0	0	121.57
Feb	2270.11	0	0	0	2270.11	0	0	0	0	0	85.98
Mar	2914.70	0	0	0	2914.70	0	0	0.250	0	0	81.40
Apr	2248.44	0	0	0	2248.44	0	0	0	0	0	75.27
May	2022.25	0	0	0	2022.25	0	0	0.300	0	0	50.92
June	5748.34	0	0	0	5748.34	0	0	0	0	0	111.04
Sub-total	21024.99	0	0	0	21024.99	0	0	0.57	0	0	526.18
July	4442.16	0	0	0	4442.16	0	0	0.400	0	0	198.8
Aug	299.44	0	0	0	299.44	0	0	0	0	0	159.61
Sept	548.56	0	0	0	666.04	0	0	0	0	0	108.52
Oct	1399.22	0	0	0	1399.22	0	0	0	0	0	115.62
Nov	5951.95	0	0	0	5951.95	0	0	0	0	0	211.73
Dec	1133.72	0	0	0	1133.72	0	0	0	0	0	185.56
Total	34800.04	0	0	0	34917.52	0	0	0.970	0	0	1506.02

Appendix C - Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No: KL/2014/01

Monthly Summary Waste Flow Table for 2019

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects *	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in tonne)
Jan	3289.57	0	0	0	3289.57	0	0	0	0	0	269.42
Feb	21.88	0	0	0	21.88	0	0	0	0	0	145.98
Mar	10.18	0	0	0	10.18	0	0	0	0	0	394.09
Apr	10320.43	0	0	10300.49	19.94	0	0	0	0	0	161.91
May	22209.44	0	0	22209.44	0	0	0	0	0	0	183.38
June	9302.51	0	0	9294.81	7.70	0	0	0	0	0	140.98
Sub-total	45154.01	0	0	41804.74	3349.27	0	0	0	0	0	1295.76
July	1222.57	0	0	1222.57	0	0	0	0	0	0	325.83
Aug	19271.13	0	0	2296.6	16974.53	0	0	0	0	0	274.5
Sept	3137.18	0	0	0	3137.18	0	0	0	0	0	266.89
Oct	5419.14	0	0	0	5419.14	0	0	0	0	0	274.79
Nov	2970.11	0	0	0	2970.11	0	0	0	0	0	269.40
Dec	1111.77	0	0	0	1111.77	0	0	0	0	0	589.64
Total	78285.91	0	0	45323.91	32962.00	0	0	0	0	0	3296.81

* Transfer to alternative disposal ground at Lung Kwu Sheung Tan EPD approved recycler

Appendix C - Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No: KL/2014/01

Monthly Summary Waste Flow Table for 2020

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects *	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in tonne)
Jan	936.62	0	0	0	936.62	0	0	0	0	0	200.08
Feb	2090.79	0	0	0	2090.79	0	0	0	0	0	166.68
Mar	9534.09	0	0	0	9534.09	0	0	0	0	0	435.76
Apr	476.74	0	0	0	476.74	0	0	0	0	0	168.10
May	33.33	0	0	0	33.33	0	0	0	0	0	228.24
June	20.49	0	0	0	20.49	0	0	0	0	0	147.60
Sub-total	13092.06	0	0	0	13092.06	0	0	0	0	0	1346.46
July	689.57	0	0	0	689.57	0	0	0	0	0	177.5
Aug	931.15	0	0	0	931.15	0	0	0	0	0	127.28
Sept	819.83	0	0	0	819.83	0	0	0	0	0	104.77
Oct	0	0	0	0	0	0	0	0	0	0	82.42
Nov	698.52	0	0	0	698.52	0	0	0	0	0	112.07
Dec	25.14	0	0	0	25.14	0	0	0	0	0	98.8
Total	16256.27	0	0	0	16256.27	0	0	0	0	0	2049.30

* Transfer to alternative disposal ground at Lung Kwu Sheung Tan EPD approved recycler

Appendix C - Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No: KL/2014/01

Monthly Summary Waste Flow Table for 2021

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects *	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in tonne)
Jan	35.46	0	0	0	35.46	0	0	0	0	0	212.30
Feb	5.63	0	0	0	5.63	0	0	0	0	0	4.18
Mar	0.00	0	0	0	0.00	0	0	0	0	0	2.50
Apr	0.00	0	0	0	0.00	0	0	0	0	0	9.65
May	0.00	0	0	0	0.00	0	0	0	0	0	17.89
June	0.00	0	0	0	0.00	0	0	0	0	0	13.55
Sub-total	41.09	0	0	0	41.09	0	0	0	0	0	260.07
July	0	0	0	0	0.00	0	0	0	0	0	11.6
Aug	8.16	0	0	0	0.00	0	0	0	0	0	8.16
Sept	12.60	0	0	0	0.00	0	0	0	0	0	12.6
Oct	15.69	0	0	0	0.00	0	0	0	0	0	15.69
Nov	23.26	0	0	0	0.00	0	0	0	0	0	23.26
Dec	34.36	0	0	0	0.00	0	0	0	0	0	34.36
Total	135.16	0	0	0	41.09	0	0	0	0	0	365.74

* Transfer to alternative disposal ground at Lung Kwu Sheung Tan EPD approved recycler

Name of Department: CEDD

Contract No: KL/2014/01

Appendix C- Monthly Summary Waste Flow Table

Monthly Summary Waste Flow Table for 2022

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects *	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in tonne)
Jan	43.77	0	0	0	0.00	0	0	0	0	0	43.77
Feb	58.14	0	0	0	0.00	0	0	0	0	0	58.14
Mar	87.83	0	0	0	0.00	0	0	0	0	0	87.83
Apr	247.25	0	0	0	0.00	0	0	0	0	0	247.25
May	173.63	0	0	0	0.00	0	0	0	0	0	173.63
June	114.17	0	0	0	0.00	0	0	0	0	0	114.17
Sub-total	724.79	0	0	0	0.00	0	0	0	0	0	724.79
July	154.61	0	0	0	154.61	0	0	0	0	0	15.99
Aug	90.67	0	0	0	90.67	0	0	0	0	0	8.45
Sept	81.32	0	0	0	81.32	0	0	0	0	0	10.04
Oct	56.02	0	0	0	36.61	0	0	0	0	0	19.41
Nov	85.52	0	0	0	65.27	0	0	0	0	0	20.25
Dec	137.88	0	0	0	0.00	0	0	0	0	0	137.88
Total	1330.81	0	0	0	428.48	0	0	0	0	0	936.81

* Transfer to alternative disposal ground at Lung Kwu Sheung Tan EPD approved recycler

Appendix C- Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No KL/2014/01

Monthly Summary Waste Flow Table for 2023

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects *	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in tonne)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in tonne)
Jan	110.01	0	0	0	82.86	0	0	0	0	27.15	
Feb	54.19	0	0	0	6.43	0	0	0	0	47.76	
Mar	23.57	0	0	0	6.66	0	0	0	0	16.91	
Apr	23.20	0	0	0	4.50	0	0	0	0	18.70	
May	150.49	0	0	0	52.19	0	0	0	0	98.30	
June	38.50	0	0	0	12.30	0	0	0	0	26.20	
Sub-total	399.96	0	0	0	0.00	0	0	0	0	235.02	
July	1.15	0	0	0	0.00	0	0	0	0	1.15	
Aug	4.50	0	0	0	0.00	0	0	0	0	4.50	
Sept	10.50	0	0	0	0.00	0	0	0	0	10.50	
Oct	0.00	0	0	0	0.00	0	0	0	0	0.00	
Nov											
Dec											
Total	416.11	0	0	0	164.94	0	0	0	0	251.17	

* Transfer to alternative disposal ground at Lung Kwu Sheung Tan EPD approved recycler

APPENDIX D
EVENT AND ACTION PLANS

Appendix D - Event Action Plans

Event/Action Plan for Landscape and Visual

EVENT ACTION LEVEL	ACTION			
	ET	IEC	ER	CONTRACTOR
Design Check	<ul style="list-style-type: none"> Check final design conforms to the requirements of EP and prepare report. 	<ul style="list-style-type: none"> Check report. Recommend remedial design if necessary 	<ul style="list-style-type: none"> Undertake remedial design if necessary 	
Non-conformity on one occasion	<ul style="list-style-type: none"> Identify Source Inform IEC and ER Discuss remedial actions with IEC, ER and Contractor Monitor remedial actions until rectification has been completed 	<ul style="list-style-type: none"> Check report Check Contractor's working method Discuss with ET and Contractor on possible remedial measures Advise ER on effectiveness of proposed remedial measures. Check implementation of remedial measures. 	<ul style="list-style-type: none"> Notify Contractor Ensure remedial measures are properly implemented 	<ul style="list-style-type: none"> Amend working methods Rectify damage and undertake any necessary replacement
Repeated Non-conformity	<ul style="list-style-type: none"> Identify Source Inform IEC and ER Increase monitoring frequency Discuss remedial actions with IEC, ER and Contractor Monitor remedial actions until rectification has been completed If non-conformity stops, cease additional monitoring 	<ul style="list-style-type: none"> Check monitoring report Check Contractor's working method Discuss with ET and Contractor on possible remedial measures Advise ER on effectiveness of proposed remedial measures Supervise implementation of remedial measures. 	<ul style="list-style-type: none"> Notify Contractor Ensure remedial measures are properly implemented 	<ul style="list-style-type: none"> Amend working methods Rectify damage and undertake any necessary replacement

**APPENDIX E
ENVIRONMENTAL MITIGATION
IMPLEMENTATION SCHEDULE (EMIS)**

Appendix E - Summary of Implementation Schedule of Mitigation Measures for Construction Phase

EIA Ref.	Mitigation Measures	Status
Construction Air Quality		
S3.2 (AEIAR-130/2009)	8 times daily watering of the work site with active dust emitting activities.	*
S4.8 (AEIAR-170/2013)	Control measures stipulated in the approved KTD Schedule 3 EIA Report should be strictly followed.	^
S3.2 (AEIAR-130/2009) and S4.8 (AEIAR-170/2013)	<p>Implementation of dust suppression measures stipulated in Air Pollution Control (Construction Dust) Regulation. The following mitigation measures, good site practices and a comprehensive dust monitoring and audit programme are recommended to minimize cumulative dust impacts.</p> <ul style="list-style-type: none"> ● Stockpiling site(s) should be lined with impermeable sheeting and bunded. Stockpiles should be fully covered by impermeable sheeting to reduce dust emission. ● Misting for the dusty material should be carried out before being loaded into the vehicle. ● Any vehicle with an open load carrying area should have properly fitted side and tail boards. ● Material having the potential to create dust should not be loaded from a level higher than the side and tail boards and should be dampened and covered by a clean tarpaulin. ● The tarpaulin should be properly secured and should extent at least 300 mm over the edges of the sides and tailboards. The material should also be dampened if necessary before transportation. ● The vehicles should be restricted to maximum speed of 10 km per hour and confined haulage and delivery vehicle to designated roadways insider the site. Onsite unpaved roads should be compacted and kept free of lose materials. ● Vehicle washing facilities should be provided at every vehicle exit point. 	<p>*</p> <p>^</p> <p>^</p> <p>*</p> <p>^</p> <p>^</p> <p>*</p>

EIA Ref.	Mitigation Measures	Status
	<ul style="list-style-type: none"> ● The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores. ● Every main haul road should be scaled with concrete and kept clear of dusty materials or sprayed with water so as to maintain the entire road surface wet. ● Every stock of more than 20 bags of cement should be covered entirely by impervious sheeting placed in an area sheltered on the top and the three sides; and ● Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving the construction sites. 	<p style="text-align: center;">*</p> <p style="text-align: center;">^</p> <p style="text-align: center;">*</p> <p style="text-align: center;">*</p>
Construction Noise		
S3.3 (AEIAR-130/2009)	Use of quiet PME, movable barriers barrier for Asphalt Paver, Breaker, Excavator and Hand-held breaker and full enclosure for Air Compressor, Bar Bender, Concrete Pump, Generator and Water Pump.	^
S3.3 (AEIAR-130/2009)	<p>Good Site Practice:</p> <ul style="list-style-type: none"> ● Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program. ● Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program. ● Mobile plant, if any, should be sited as far away from NSRs as possible. ● Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum. ● Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs. ● Material stockpiles and other structures should be effectively utilized, wherever 	<p style="text-align: center;">^</p> <p style="text-align: center;">^</p> <p style="text-align: center;">^</p> <p style="text-align: center;">^</p> <p style="text-align: center;">^</p> <p style="text-align: center;">^</p>

EIA Ref.	Mitigation Measures	Status
	practicable, in screening noise from on-site construction activities.	
S3.3 (AEIAR-130/2009)	Scheduling of Construction Works during School Examination Period	N/A
S3.8 (AEIAR-170/2013)	Provision of a landscaped deck along Roads D3A & D4A.	N/A
S3.8 (AEIAR-170/2013)	<ul style="list-style-type: none"> ● Provision of about 1090 m length of vertical noise barrier (connected to the deck) at Roads D3A & D4A; ● Provision of about 60 m length of overhang vertical noise barrier (connected to the deck) at Road D4A; and ● Provision of staircases with noise barriers next to Sites 4A1 and 4B1 <p>It should be noted that the exact length of the mitigation measures would be subject to minor refinement during the detailed design stage.</p>	N/A N/A N/A
S3.8 (AEIAR-170/2013)	Non-noise sensitive use areas within Sites 4A1 and 4B1.	N/A
S3.8 (AEIAR-170/2013)	Avoid sensitive façade with openable window facing Road D3A.	N/A
Construction Water Quality		
S3.4 (AEIAR-130/2009) and S5.8 (AEIAR-170/2013)	<p><u>Construction Runoff</u></p> <p>Exposed soil areas should be minimised to reduce the potential for increased siltation, contamination of runoff, and erosion. Construction runoff related impacts associated with the above ground construction activities can be readily controlled through the use of appropriate mitigation measures which include:</p> <ul style="list-style-type: none"> ● use of sediment traps ● adequate maintenance of drainage systems to prevent flooding and overflow 	^ ^

EIA Ref.	Mitigation Measures	Status
	Construction site should be provided with adequately designed perimeter channel and pre-treatment facilities and proper maintenance. The boundaries of critical areas of earthworks should be marked and surrounded by dykes or embankments for flood protection. Temporary ditches should be provided to facilitate runoff discharge into the appropriate watercourses, via a silt retention pond. Permanent drainage channels should incorporate sediment basins or traps and baffles to enhance deposition rates. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94.	^
	Ideally, construction works should be programmed to minimise surface excavation works during the rainy season (April to September). All exposed earth areas should be completed as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means.	^
S5.8 (AEIAR-170/2013)	Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary.	^
	Measures should be taken to minimize the ingress of rainwater into trenches. If excavation of trenches in wet seasons is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	^
S3.4 (AEIAR-130/2009)	Sediment tanks of sufficient capacity, constructed from pre-formed individual cells of approximately 6 to 8 m ³ capacity, are recommended as a general mitigation measure	^

EIA Ref.	Mitigation Measures	Status
	which can be used for settling surface runoff prior to disposal. The system capacity is flexible and able to handle multiple inputs from a variety of sources and particularly suited to applications where the influent is pumped.	
S3.4 (AEIAR-130/2009) and S5.8 (AEIAR-170/2013)	Open stockpiles of construction materials (for examples, aggregates, sand and fill material) of more than 50 m ³ should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.	*
	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers.	*
S3.4 (AEIAR-130/2009)	Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecast, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events.	^
	Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.	^
S3.4 (AEIAR-130/2009) and S5.8 (AEIAR-170/2013)	All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and located wheel washing bay should be provided at every site exit, and wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting	*

EIA Ref.	Mitigation Measures	Status
	from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.	
S5.8 (AEIAR-170/2013)	<p><u>Boring and Drilling Water</u> Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be re-circulated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities.</p>	^
	<p><u>Acid Cleaning, Etching and Pickling Wastewater</u> Acidic wastewater generated from acid cleaning, etching, pickling and similar activities should be neutralized to within the pH range of 6 to 10 before discharging into foul sewers</p>	^
S3.4 (AEIAR-130/2009)	<p><u>Drainage</u> It is recommended that on-site drainage system should be installed prior to the commencement of other construction activities. Sediment traps should be installed in order to minimise the sediment loading of the effluent prior to discharge into foul sewers. There should be no direct discharge of effluent from the site into the sea.</p>	^
S3.4 (AEIAR-130/2009)	All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge should be adequately designed for the controlled release of storm flows. All sediment control measures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rain storms. The temporarily diverted drainage should be reinstated to its original condition when the construction work has finished or the temporary diversion is no longer required.	^

EIA Ref.	Mitigation Measures	Status
S3.4 (AEIAR-130/2009)	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters of the Victoria Harbour WCZ.	*
S5.8 (AEIAR-170/2013)	There is a need to apply to EPD for a discharge licence for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge licence. All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. Minimum distance of 100 m should be maintained between the discharge points of construction site effluent and the existing seawater intakes and the planned WSR mentioned in S5.3.1 as appropriate. The beneficial uses of the treated effluent for other on-site activities such as dust suppression, wheel washing and general cleaning etc., can minimise water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO licence which is under the ambit of regional office (RO) of EPD.	^
S3.4 (AEIAR-130/2009) and S5.8 (AEIAR-170/2013)	<u>Sewage Effluent</u> Construction work force sewage discharges on site are expected to be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage may need to be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets should be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor should also be responsible for waste disposal and maintenance practices.	^
S5.8	Notices should be posted at conspicuous locations to remind the workers not to discharge	^

EIA Ref.	Mitigation Measures	Status
(AEIAR-170/2013)	any sewage or wastewater into the surrounding environment. Regular environmental audit of the construction site will provide an effective control of any malpractices and can encourage continual improvement of environmental performance on site. It is anticipated that sewage generation during the construction phase of the project would not cause water pollution problem after undertaking all required measures.	
S3.4 (AEIAR-130/2009) and S5.8 (AEIAR-170/2013)	<u>Stormwater Discharges</u> Minimum distances of 100 m should be maintained between the existing or planned stormwater discharges and the existing or planned seawater intakes.	^
	<u>Debris and Litter</u> In order to maintain water quality in acceptable conditions with regard to aesthetic quality, contractors should be required, under conditions of contract, to ensure that site management is optimised and that disposal of any solid materials, litter or wastes to marine waters does not occur.	^
S5.8 (AEIAR-170/2013)	<u>Accidental Spillage</u> Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation, should be observed and complied with for control of chemical wastes. Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.	^

EIA Ref.	Mitigation Measures	Status
	<p>Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows:</p> <ul style="list-style-type: none"> ● Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. ● Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents. ● Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area. 	<p>* ^ *</p>
Construction Waste Management		
<p>S6.7 (AEIAR-170/2013)</p>	<p>Prepare a Waste Management Plan, which becomes a part of the Environmental Management Plan, in accordance with the requirements stipulated in ETWB TC (W) No. 19/2005, approved by the Engineer/Supervising Officer of the Project based on current practices on construction sites.</p>	<p>^</p>
<p>S3.5 (AEIAR-130/2009) and S6.7 (AEIAR-170/2013)</p>	<p>Good Site Practices It is not anticipated that adverse waste management related impacts would arise, provided that good site practices are adhered to. Recommendations for good site practices during construction activities include:</p> <ul style="list-style-type: none"> ● Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site ● Training of site personnel in proper waste management and chemical waste handling procedures ● Provision of sufficient waste disposal points and regular collection for disposal 	<p>^ ^</p>

EIA Ref.	Mitigation Measures	Status
	<ul style="list-style-type: none"> ● Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers ● A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) ● Regular cleaning and maintenance systems, sumps and oil interceptors ● Separation of chemical wastes for special handling and appropriate treatment 	<p>^</p> <p>^</p> <p>^</p> <p>^</p>
	<p>Waste Reduction Measures</p> <p>Good management and control can prevent the generation of a significant amount of waste. Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include:</p> <ul style="list-style-type: none"> ● Sort C&D waste from demolition of the remaining structures to recover recyclable portions such as metals ● Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal ● Encourage collection of aluminium cans, PET bottles and paper by providing separate labelled bins to enable these wastes to be segregated from other general refuse generated by the work force ● Any unused chemicals or those with remaining functional capacity should be recycled ● Proper storage and site practices to minimise the potential for damage or contamination of construction materials ● Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste ● Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycle. 	<p>^</p> <p>^</p> <p>^</p> <p>^</p> <p>^</p> <p>^</p> <p>^</p>

EIA Ref.	Mitigation Measures	Status
<p>S3.5 (AEIAR-130/2009)</p>	<p>Construction and Demolition Materials</p> <p>Mitigation measures and good site practices should be incorporated in the contract document to control potential environmental impact from handling and transportation of C&D material. The mitigation measures include:</p> <ul style="list-style-type: none"> ● Where it is unavoidable to have transient stockpiles of C&D material within the Project work site pending collection for disposal, the transient stockpiles shall be located away from waterfront or storm drains as far as possible. ● Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric. ● Skip hoist for material transport should be totally enclosed by impervious sheeting. ● Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving a construction site. ● The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores. ● The load of dusty materials carried by vehicle leaving a construction site should be covered entirely by clean impervious sheeting to ensure dust materials do not leak from the vehicle. ● All dusty materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet. ● The height from which excavated materials are dropped should be controlled to a minimum practical height to limit fugitive dust generation from unloading. <p>When delivering inert C&D material to public fill reception facilities, the material should consist entirely of inert construction waste and of size less than 250mm or other sizes as agreed with the Secretary of the Public Fill Committee. In order to monitor the disposal of the surplus C&D material at the designed public fill reception facility and to control fly tipping, a trip-ticket system as stipulated in the ETWB TCW No. 31/2004 “Trip Ticket</p>	<p>^</p> <p>*</p> <p>^</p> <p>*</p> <p>*</p> <p>^</p> <p>*</p> <p>^</p> <p>^</p>

EIA Ref.	Mitigation Measures	Status
	System for Disposal of Construction and Demolition Materials” should be included as one of the contractual requirement sand implemented by an Environmental Team undertaking the Environmental Monitoring and Audit work. An Independent Environmental Checker should be responsible for auditing the results of the system.	
S3.5 (AEIAR-130/2009)	<p>General Refuse</p> <p>General refuse should be stored in enclosed bins or compaction units separate from C&D material. A licensed waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D material. Effective collection and storage methods (including enclosed and covered area) of site wastes would be required to prevent waste materials from being blown around by wind, wastewater discharge by flushing or leaching into the marine environment, or creating odour nuisance or pest and vermin problem</p>	*
Construction Landscape and Visual		
S3.8.12 (AEIAR-130/2009) and S7.9 (AEIAR-170/2013)	<ul style="list-style-type: none"> ● Minimized construction area and contractor’s temporary works areas. ● All existing trees should be carefully protected during construction. ● Trees unavoidably affected by the works should be transplanted where practical. Detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBC 2/2004 and 3/2006. Final locations of transplanted trees should be agreed prior to commencement of the work. ● Control of night-time lighting. ● Erection of decorative screen hoarding. ● Reduction of construction period to practical minimum. ● Limitation of / Ensuring no run-off into surrounding landscape and adjacent seawater areas. ● Temporary or advance landscape should be provided along the temporary access roads to the Cruise Terminal until such time as road D3 is open. 	<p>^</p> <p>*</p> <p>^</p> <p>^</p> <p>^</p> <p>^</p> <p>^</p>

Remarks:	EIA Report (AEIAR-130/2009) – Kai Tak Development	
	EIA Report (AEIAR-170/2013) – Kai Tak Development – Roads D3A & D4A	
	^ Compliance of mitigation measure;	X Non-compliance of mitigation measure;
	N/A Not Applicable at this stage; N/A(1) Not observed;	• Non-compliance but rectified by the contractor;
* Recommendation was made during site audit but improved/rectified by the contractor.	# Recommendation was made during site audit but not yet improved/rectified by the contractor.	

**APPENDIX F
SUMMARIES OF ENVIRONMENTAL
COMPLAINT, WARNING, SUMMON
AND NOTIFICATION OF SUCCESSFUL
PROSECUTION**

Contract No. KL/2014/01

Kai Tak Development –Stage 2 Infrastructure Works for Developments at the Southern Part of the Former Runway

Appendix F – Summary of environmental complaint, warning, summon and notification of successful prosecution

Reporting period: April 2016 to October 2023

Contract No. KL/2014/01

Log Ref.	Location	Received Date	Details of Complaint/warning/summon and prosecution	Investigation/Mitigation Action	Status
N/A	N/A	N/A	N/A	N/A	N/A

Remarks: No environmental complaint/warning/summon and prosecution were received in the reporting period.