

EXECUTIVE SUMMARY

Introduction

1. This is the 17th Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the “Agreement No. EDO 5/2019 - Environmental Team for Kai Tak Development” (hereinafter called “the Project”). This report documents the findings of EM&A Works conducted in October 2021.

2. During the reporting month, the following works contracts were undertaken within Kai Tak Site:
 - KL/2012/03 - Kai Tak Development – Stage 4 Infrastructure at Former North Apron Area
 - KL/2014/01 - Kai Tak Development – Stage 2 Infrastructure Works for Developments at the Southern Part of the Former Runway
 - KL/2014/03 - Kai Tak Development – Stage 3 Infrastructure Works for Developments at the Southern Part of the Former Runway
 - KL/2015/02 - Kai Tak Development – Stage 5A Infrastructure at Former North Apron Area
 - KL/2015/03 - Kai Tak Development – Stage 3B Infrastructure at Former North Apron Area
 - 6/WSD/08 & 7/WSD/08 – Replacement and Rehabilitation of Water Mains Stages 2 & 3
 - SS G506 – Construction of Station Square at Kai Tak Phase I
 - 1389EM18A – District Cooling System (DCS) at Kai Tak Development (KTD) – Chilled Water Pipe Laying and Associated Works in North Apron
 - 2852EM17A – District Cooling System (DCS) at Kai Tak Development (KTD) Phase III (Package D) – Water Pipe Laying Works
 - 2853EM17W – District Cooling System (DCS) at Kai Tak Development (KTD) Phase III (Package D) – Electrical and Mechanical Installation
 - HY/2014/18 – Provision of Barrier-Free Access Facilities for Highway Structure – Phase 3 Contract 7
 - HY/2014/07 – Central Kowloon Route – Kai Tak West
 - SCL1109 - MTR Shatin to Central Link: Ma Tau Wai and To Kwa Wan Stations and Tunnels
 - SCL1121 – MTR Shatin to Central Link: Cross Harbour Tunnels
 - SCL1123 – MTR Shatin to Central Link: Exhibition Station and Western Approach Tunnel
 - New Kowloon Inland Lot No. 6556 – Residential Development at Kai Tak Area 1F Site 2
 - New Kowloon Inland Lot No. 6557 – Commercial Development at Kai Tak Area 1E Site 2
 - New Kowloon Inland Lot No. 6562 – Residential Development at Kai Tak Area 1K Site 3
 - New Kowloon Inland Lot No. 6563 – Residential Development at Kai Tak Area 1L Site 1
 - New Kowloon Inland Lot No. 6564 – Residential Development at Kai Tak Area 1L Site 2
 - New Kowloon Inland Lot No. 6565 – Residential Development at Kai Tak Area 1L Site 3
 - New Kowloon Inland Lot No. 6566 – Residential Development at Kai Tak Area 1K Site 2
 - New Kowloon Inland Lot No. 6567 – Residential Development at Kai Tak Area 1K Site 1
 - New Kowloon Inland Lot No. 6568 – Residential Development at Kai Tak Area 1F Site 1
 - New Acute Hospital at Kai Tak Development Area - foundation, excavation and lateral support, and basement excavation works Site A – 8110059224
 - New Acute Hospital at Kai Tak Development Area – foundation, excavation and lateral support, and basement excavation works Site B – 8110059225
 - HAB/KTSP/01 – Design, Construction and Operation of the Kai Tak Sports Park at Kai Tak, Kowloon City District, Hong Kong

Environmental Monitoring Works

- Environmental monitoring for the Project was performed in accordance with the EM&A Manual and the monitoring results were checked and reviewed. 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.
- Summary of the non-compliance in the reporting month for the Project is tabulated in **Table I**.

Table I Non-compliance Record for the Project in the Reporting Month

| Parameter | No. of Exceedance | | Action Taken |
|-----------|-------------------|-------------|--------------|
| | Action Level | Limit Level | |
| 1-hr TSP | 0 | 0 | N/A |
| 24-hr TSP | 0 | 0 | N/A |
| Noise | 3 | 0 | N/A |

1-hour & 24-hour TSP Monitoring

- All 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- All other 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- The air quality monitoring results in the reporting month are presented in **Table II**.

Table II Air Quality Monitoring Results in the Reporting Month

| Monitoring Station | Description | 1-hour TSP ($\mu\text{g}/\text{m}^3$) | 24-hour TSP ($\mu\text{g}/\text{m}^3$) |
|--------------------|--|---|--|
| AM1(C) | Contractor's Site Office of KL/2015/03 | 23.1 – 46.0 | 21.8 - 98.9 |
| AM2 | Lee Kau Yan Memorial School | 27.3 - 71.4 | 33.1 - 66.1 |
| AM3(A) | Holy Trinity Bradbury Centre | 13.2 – 55.0 | 36.1 - 103.9 |
| AM4(D) | The Factory for the Blind | 22.0 – 66.0 | 67.0 - 178.9 |
| AM5(B) | CCC Kei To Secondary School | 17.6 – 42.0 | 32.4 - 82.3 |
| AA1 | Ching Long Shopping Centre | 19.0 - 60.9 | 31.3 - 62.2 |
| AA2 | Tak Long Estate | 17.1 - 70.3 | 22.4 - 35.4 |
| AA4 | Hong Kong Children's Hospital | 9.5 – 57.0 | 31.4 – 72.0 |

Construction Noise

8. All construction noise monitoring was conducted as scheduled in the reporting month. 3 Action Level exceedances were recorded due to the documented complaints received in the reporting month. No Limit Level exceedance was recorded.
9. The noise monitoring results in the reporting month are presented in **Table III**.

Table III Noise Monitoring Results in the Reporting Month

| Monitoring Station | Description | Noise Level, Leq(30 min) dB(A) |
|---------------------------|---|---------------------------------------|
| M1 | Buddhist Chi King Primary School | 52.9 – 62.1 |
| M2 | S.K.H. Kowloon Bay Kei Lok Primary School | 65.4 – 66.2 |
| M3 | Rhythm Garden | 72.5 – 75.9 |
| M4(A) | The Bridge connecting the Latitude | 71.1 – 72.9 |
| M5 | Lee Kau Yan Memorial School | 74.3 – 75.1 |
| M6(C) | Mercy Grace's Home | 66.9 – 76.8 |
| M7(A) | Oblate Primary School | 61.0 – 62.5 |
| M8 | CCC Kei To Secondary School | 60.7 – 65.2 |
| M9 | Near Chi Yun School | 60.9 – 63.4 |
| M10 | Tak Long Estate Car Park | 52.3 – 63.8 |
| MA1 | Ching Long Shopping Centre | 62.1 – 67.2 |
| MA3 | Hong Kong Children's Hospital | 65.3 – 71.1 |

Key Information in the Reporting Month

10. Summary of key information in the reporting month is tabulated in **Table IV**.

Table IV Summary Table for Key Information in the Reporting Month

| Event | Event Details | | Action Taken | Status | Remark |
|--|---------------|--|--|--------|--------|
| | Number | Nature | | | |
| Complaint received | 9 | Air quality, noise, wastewater & light | Details are shown in Appendix L | Closed | --- |
| Reporting Changes | 0 | --- | N/A | N/A | --- |
| Notifications of any summons & prosecutions received | 0 | --- | N/A | N/A | --- |

Future Key Issues

11. The future key environmental issues in the coming month include:

- Dust generation from stockpiles of dusty materials, exposed site area, excavation works and rock breaking activities;
- Watering for dust generating activity and on haul road;
- Proper storage of construction materials on site;
- Storage of chemicals/fuel and chemical waste/waste oil on site;
- Accumulation of general and construction waste on site;
- Noise from operation of the equipment, especially for rock-breaking activities, piling works and machinery on-site;
- Runoff from exposed slope;
- Wastewater and runoff discharge from site;
- Regular removal of silt, mud and sand along u-channels and sedimentation tanks; and
- Review and implementation of temporary drainage system for the surface runoff.

EM&A REPORT FOR OCTOBER 2021 (FULL VERSION)

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