

## EXECUTIVE SUMMARY

### Introduction

1. This is the 12<sup>th</sup> Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the “Contract No. KLN/2013/16 - Environmental Monitoring Works for Kai Tak Development” (hereinafter called “the Project”). This report documents the findings of EM&A Works conducted in February 2015.
2. During the reporting month, the following works contracts were undertaken within Kai Tak Site:
  - 1020EM12A - District Cooling System (DCS) at Kai Tak Development (KTD) Phase III (Package A)-Chilled Water Pipe Laying Works
  - 1107 - MTR Shatin to Central Link: Diamond Hill to Kai Tak Tunnels
  - 1108 - MTR Shatin to Central Link: Kai Tak Station and Associated Tunnels
  - 1108A - MTR Shatin to Central Link: Kai Tak Barging Point Facilities
  - 1109 - MTR Shatin to Central Link: Ma Tau Wai and To Kwa Wan Stations and Tunnels
  - 20140264 - Foundation for Home Ownership Scheme Development at Kai Tak 1G1(B)
  - 3/WSD/08, 6/WSD/08, 7/WSD/08 & 8/WSD/08 - Replacement and Rehabilitation of Water Mains Stages 2 & 3
  - CKL-KCT circuit 1&2 - CLPP (132kV cable installation)
  - CV/2013/02 - Dredging at Kai Tak Cruise Terminal Stage 2
  - DC/2010/03 - Kai Tak Nullah Improvement Works at Prince Edward Road East
  - DC/2011/04 - Reconstruction, Improvement and Rehabilitation of Kai Tak River from Wong Tai Sin Police Station to Tung Tau
  - KL/2010/02 - Kai Tak Development - Kai Tak Approach Channel and Kwun Tong Typhoon Shelter Improvement Works (Phase 1)
  - KL/2010/03 - Kai Tak Development - Stage 2 Infrastructure Works at North Apron Area of Kai Tak Airport for Residential Development and Government Facilities)
  - KL/2011/01 - Kai Tak Development –Reconstruction and Upgrading of Kai Tak Nullah
  - KL/2012/02 - Kai Tak Development – Stage 3A Infrastructure at Former North Apron Area
  - KL/2012/03 - Kai Tak Development – Stage 4 Infrastructure at Former North Apron Area
  - New Kowloon Inland Lot No. 6515 - Kai Tak Flat-For-Flat Development
  - New Kowloon Inland Lot No. 6516 & 6517 - Proposed Residential Development
  - SS A501 - Design and Construction of Centre of Excellence in Paediatrics
  - SS B507 - Construction of Two 30-classroom Primary Schools at Site 1A-3 and Site 1A-4, Kai Tak Development
  - SS W304 – Design and Construction of Trade and Industry Tower in Kai Tak Development Area
  - TC Y305 - Demolition of ex-Government Flying Service (GFS) Building
3. Stockpiling of excavated & construction materials, storage of equipments, operation of concrete batching plant, business in the recovery and recycling and car parks, etc

are the major activities for short term tenancy (STT) / temporary government land allocation (TGLA).

### Environmental Monitoring Works

4. Environmental monitoring for the Project was performed in accordance with the EM&A Manual approved by Environmental Protection Department 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.
5. Summary of the non-compliance in the reporting month for the Project is tabulated in Table 1.

**Table 1 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	1	0	N/A

#### **1-hour & 24-hour TSP Monitoring**

6. All 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
7. All 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
8. The air quality monitoring results in February 2015 are presented in Table 2.

**Table 2 Air Quality Monitoring Results in February 2015 Monitoring Station**

Monitoring Station	Description	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )	24-hour TSP ( $\mu\text{g}/\text{m}^3$ )
AM1(B)	Outside Arup site office (KL/2012/02)	238 (158-341)	81 (44-117)
AM2	Lee Kau Yan Memorial School	196 (73-264)	109 (73-138)
AM3(A)	Holy Trinity Bradbury Centre	211 (71-268)	96 (68-129)
AM4(A)	EMSD Workshop	229 (164-330)	147 (113-164)

Monitoring Station	Description	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )	24-hour TSP ( $\mu\text{g}/\text{m}^3$ )
AM5(A)	Po Leung Kuk Ngan Po Ling College	213 (111-308)	58 (44-69)
AA1	Ching Long Shopping Centre	203 (91-301)	72 (54-125)
AA2	Tak Long Estate	186 (121-299)	88 (63-114)

### Construction Noise

9. All construction noise monitoring was conducted as scheduled in the reporting month. 1 Action level exceedance was recorded due to a complaint received by Contract No. 20140264 on 16 February 2015. No Limit Level exceedance was recorded.
10. The noise monitoring results in February 2015 are presented in Table 3.

**Table 3 Noise Monitoring Results in February 2015 Monitoring Station**

Monitoring Station	Description	Allowable Noise Level Leq (30min) dB (A)	Noise Level Leq (30min) dB (A)
M1	Buddhist Chi King Primary School	70	59-64
M2	SKH Kowloon Bay Kei Lok Primary School	70	62-68
M3	Rhythm Garden	76.3	73-76
M4	Cognitio College	70	63-80
M5	Lee Kau Yan Memorial School	76.7	63-75
M6(A)	Kowloon City District Kai Fong Association	75	68-72
M7(A)	Oblate Primary School	70	57-63
M8	CCC Kei To Secondary School	70	58-67
M9	Po Leung Kuk Ngan Po Ling College	70	59-69
M10	Tak Long Estate	70	56-64
MA1	Ching Long Shopping Centre	75	61-64

### Key Information in the Reporting Month

11. Summary of key information in the reporting month is tabulated in Table 4.

**Table 4 Summary Table for Key Information in the Reporting Month**

Event	Event Details		Action Taken	Status	Remark
	Number	Nature			
Complaint received	1	Construction Noise	Complaint investigation conducted	Closed	Contract No. 20140264
Reporting Changes	0	---	N/A	N/A	---
Notifications of any summons & prosecutions received	0	---	N/A	N/A	---

### Future Key Issues

12. 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.

THE FULL VERSION EM&A REPORT FOR FEB 2015 CAN BE VIEWED FROM THE ARCHIVED REPORT