

EXECUTIVE SUMMARY

Introduction

1. This is the 10th 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 December 2014.
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
 - 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	0	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 December 2014 are presented in Table 2.

Table 2 Air Quality Monitoring Results in December 2014 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)	144 (84-210)	77 (23-126)
AM2	Lee Kau Yan Memorial School	146 (77-227)	91 (62-139)
AM3(A)	Holy Trinity Bradbury Centre	147 (66-264)	90 (74-129)

Monitoring Station	Description	1-hour TSP ($\mu\text{g}/\text{m}^3$)	24-hour TSP ($\mu\text{g}/\text{m}^3$)
AM4(A)	EMSD Workshop	125 (52-212)	127 (85-175)
AM5(A)	Po Leung Kuk Ngan Po Ling College	122 (57-229)	42 (37-54)
AA1	Ching Long Shopping Centre	107 (32-260)	71 (25-138)
AA2	Tak Long Estate	106 (28-260)	89 (59-143)

Construction Noise

9. Construction noise monitoring at Station M6(A) – Kowloon City District Kaifong Association on 18th December 2014 was cancelled due to inaccessibility of the facility. The monitoring works were rescheduled and carried out on 19th December 2014.
10. Other noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
11. The noise monitoring results in December 2014 are presented in Table 3.

Table 3 Noise Monitoring Results in December 2014 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	53-64
M2	SKH Kowloon Bay Kei Lok Primary School	70	54-66
M3	Rhythm Garden	76.3	74-75
M4	Cognitio College	70	64-79
M5	Lee Kau Yan Memorial School	76.7	71-75
M6(A)	Kowloon City District Kai Fong Association	75	60-72
M7(A)	Oblate Primary School	70	55-67
M8	CCC Kei To Secondary School	70	60-65
M9	Po Leung Kuk Ngan Po Ling College	70	61-70
M10	Tak Long Estate	70	48-66
MA1	Ching Long Shopping Centre	75	61-67

Key Information in the Reporting Month

12. 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	10	Construction Noise, Dust Emission and Water Quality	Complaints Investigated by EPD	Follow up	---
Reporting Changes	0	---	N/A	N/A	---
Notifications of any summons & prosecutions received	0	---	N/A	N/A	---

Future Key Issues

13. 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 DEC 2014 CAN BE VIEWED FROM THE ARCHIVED REPORT