

EXECUTIVE SUMMARY

Introduction

1. This is the 32nd Environmental Monitoring and Audit (EM&A) Report prepared by Cinotech Consultants Limited for the “Contract No. KLN/2010/04 - Environmental Monitoring Works for Kai Tak Development” (hereinafter called “the Project”). This report documents the findings of EM&A Works conducted in August 2013.
2. During the reporting month, the following works contracts were undertaken within Kai Tak Site:
 - KL/2009/01 - Site Formation for Kai Tak Cruise Terminal
 - KL/2008/09 - Stage 1 Infrastructure works at North Apron
 - DC/2010/03 - Kai Tak Nullah Improvement Works at Prince Edward Road East
 - DC/2009/21 - Provision of Interception Facilities at Jordan Valley Box Culvert
 - 20090006 - Public Rental Housing Development at Kai Tak Site 1B
 - 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)
 - 1017EM10 - Design-Build-Operate a District Cooling System (Phase II Works) at Kai Tak Development
 - 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)
 - 1049EM10 - Kai Tak Cruise Terminal Development – On-shore Sewage Collection, On-shore Fresh Water Supply, and Fire Hydrant Water Supply Systems
 - 1050EM10 - Design and Build of Seaport Passenger Boarding Bridges for the Kai Tak Cruise Terminal
 - DC/2011/04 - Reconstruction, Improvement and Rehabilitation of Kai Tak River from Wong Tai Sin Police Station to Tung Tau
 - SS W304 – Design and Construction of Trade and Industry Tower in Kai Tak Development Area
 - 1048EM12M - Supply and Installation of Apron Low Voltage Power Supply Systems for the Kai Tak Cruise Terminal
 - SSA504 - Runway Park at Kai Tak, Kowloon City District - Phase 1
 - 1108A – Kai Tak Barging Point Facilities
 - 1109 – Sha Tin to Central Link: Ma Tau Wai and To Kwa Wan Stations and

Tunnels

- New Kowloon Inland Lot No. 6515 – Kai Tak Flat-For-Flat Development
- KL/2011/01 - Kai Tak Development –Reconstruction and Upgrading of Kai Tak Nullah

3. Stockpiling of excavated & construction materials, storage of equipment, 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 Level	No. of Exceedance Limit Level	Action Taken
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 August 2013 are presented in Table 2.

Table 2 Air Quality Monitoring Results in August 2013

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/2008/09)	73.4-257.0	49.4-99.2
AM2	Lee Kau Yan Memorial School	51.1-261.6	36.9-86.7
AM3(A)	Holy Trinity Bradbury Centre	63.2-213.3	38.3-76.7
AM4(A)	EMSD Workshop	56.5-221.0	39.7-56.4
AM5(A)	Po Leung Kuk Ngan Po Ling College	44.2-220.2	20.7-57.0

Note: The 1-hour and 24-hour TSP limit levels are 500 and 260 $\mu\text{g}/\text{m}^3$ respectively.

Construction Noise

9. All construction noise monitoring was conducted as scheduled in the reporting month. No Action Level exceedance was recorded while non-project related Limit Level exceedances at Station M4 - Cognitio College were recorded on 6, 12, 22, 28 August 2013.
10. The noise monitoring results in August 2013 are presented in Table 3.

Table 3 Noise Monitoring Results in August 2013

Monitoring Station	Description	Allowable Noise Level L_{eq} (30min) dB (A)	Noise Level L_{eq} (30min) dB (A)
M1	Buddhist Chi King Primary School	70	59.8-69.4
M2	SKH Kowloon Bay Kei Lok Primary School	70	63.1-65.9
M3	Rhythm Garden	76.3	74.0-76.3
M4(A)	Outside Arup site office (KL/2008/09)	76.3	78.1-79.4*
M5	Lee Kau Yan Memorial School	76.7	67.5-74.3
M6(A)	Kowloon City District KaiFong Association	75	67.0-71.6
M7	Holy Carpenter Primary School	70	58.9-61.6
M8	CCC Kei To Secondary School	70	55.2-61.8
M9	Po Leung Kuk Ngan Po Ling College	70	68.9

Note* Mon-project related Limit Level exceedances at Station M4

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	Number of Events Happened	Nature of the Event	Action Taken	Status	Remark
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	---

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 AUGUST 2013 CAN BE VIEWED FROM THE ARCHIVED REPORT