

## **EXECUTIVE SUMMARY**

### **Introduction**

1. This is the 26<sup>th</sup> 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 February 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
  - KL/2008/07 - Stage 1 Advance Infrastructure Works
  - DC/2008/12 - Sewage Interception Scheme in Kowloon City
  - 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
  - 20090097 - Public Rental Housing Development at Kai Tak Site 1A
  - 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
  - SS W 303 - Kai Tak Cruise Terminal Building and Ancillary Facilities
  - CKL-KCT circuit 1&2 - CLPP (132kV cable installation)
  - 1016EM10 - Chilled Water Pipe Laying Works at North Apron Area for District Cooling System at Kai Tak Development
  - 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
  - 1140EM11M - Advance Works for the Apron Lighting System of 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
- 1119EM12M – Apron Lighting System for Kai Tak Cruise Terminal
- 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**

<b>Parameter</b>	<b>No. of Exceedance Action Level</b>	<b>No. of Exceedance Limit Level</b>	<b>Action Taken</b>
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 & 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 February 2013 are presented in Table 2.

**Table 2 Air Quality Monitoring Results in February 2013**

Monitoring Station	Description	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )	24-hour TSP ( $\mu\text{g}/\text{m}^3$ )
AM1(A)	Kai Tak Operational Base	22.4-286.6	64.1-137.0
AM2	Lee Kau Yan Memorial School	26.8-283.6	51.8-127.1
AM3(A)	Holy Trinity Bradbury Centre	25.6-324.0	49.7-129.2
AM4(A)	EMSD Workshop	24.7-318.5	38.0-95.4
AM5(A)	Po Leung Kuk Ngan Po Ling College	22.9-318.0	27.5-77.9

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

*Construction Noise*

- All construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. The noise monitoring results in February 2013 are presented in Table 3.

**Table 3 Noise Monitoring Results in February 2013**

Monitoring Station	Description	Allowable Noise Level $L_{\text{eq}}$ (30min) dB (A)	Noise Level $L_{\text{eq}}$ (30min) dB (A)
M1	Buddhist Chi King Primary School	70	63.0-63.7
M2	SKH Kowloon Bay Kei Lok Primary School	70	61.1-69.5
M3	Rhythm Garden	76.3	59.6-67.8
M4(A)	Kai Tak Operational Base	75	62.6-63.5
M5	Lee Kau Yan Memorial School	76.7	66.7-69.1
M6(A)	Kowloon City District KaiFong Association	75	60.3
M7	Holy Carpenter Primary School	70	64.6
M8	CCC Kei To Secondary School	70	59.4-64.4
M9	Po Leung Kuk Ngan Po Ling College	70	51.7-67.3

### Key Information in the Reporting Month

8. 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

9. 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 FEBRUARY 2013 CAN BE VIEWED FROM THE ARCHIVED REPORT