

EXECUTIVE SUMMARY

Introduction

1. This is the 23rd 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 November 2012.
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
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 Level	No. of Exceedance Action 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 & 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 November 2012 are presented in Table 2.

Table 2 Air Quality Monitoring Results in November 2012

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	44.0-260.4	23.9-140.3
AM2	Lee Kau Yan Memorial School	43.4-252.7	32.2-126.8
AM3(A)	Holy Trinity Bradbury Centre	78.9-194.3	52.1-157.2
AM4(A)	EMSD Workshop	54.7-219.3	20.0-65.4
AM5(A)	Po Leung Kuk Ngan Po Ling College	44.9-212.3	26.8-85.7

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

Construction Noise

7. All construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. The noise monitoring results in November 2012 are presented in Table 3.

Table 3 Noise Monitoring Results in November 2012

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	55.3-66.5
M2	SKH Kowloon Bay Kei Lok Primary School	70	60.2-68.3
M3	Rhythm Garden	76.3	63.8-72.7
M4(A)	Kai Tak Operational Base	75	63.6-71.7
M5	Lee Kau Yan Memorial School	76.7	66.7-71.5
M6(A)	Kowloon City District KaiFong Association	75	64.1-64.6
M7	Holy Carpenter Primary School	70	60.4-63.7
M8	CCC Kei To Secondary School	70	58.5-64.6
M9	Po Leung Kuk Ngan Po Ling College	70	61.5-69.0

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 NOVEMBER 2012 CAN BE VIEWED FROM THE ARCHIVED REPORT