

## **EXECUTIVE SUMMARY**

### **Introduction**

1. This is the 18<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 August 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)
  - 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/2010/03 - 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
  - KL/2013/01 - Site Formation for Kai Tak Cruise Terminal Development – Remaining Works
  - New Kowloon Inland Lot No. 6515 - Kai Tak Flat-For-Flat Development
  - New Kowloon Inland Lot No. 6516 & 6517 - Proposed Residential Development
  - New Kowloon Inland Lot No. 6525 - Residential Development at Kai Tak Area 1I Site 1
  - New Kowloon Inland Lot No. 6526 - Residential Development at Kai Tak Area 1I Site 2
  - New Kowloon Inland Lot No. 6527 - Residential Development at Kai Tak Area 1I Site 3
  - New Kowloon Inland Lot No. 6541 - Residential Development at Kai Tak Area 1H Site 3
  - 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

3. Stockpiling of excavated & construction materials, storage of equipments, 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 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. 24-hour TSP monitoring at Station AM5(A) – Po Leung Kuk Ngan Po Ling College on 24 August 2015 was cancelled due to school electrical works from 24 to 27 August 2015. 24-hour TSP monitoring at Station AA2 – Tak Long Estate on 28 August 2015 was unsuccessful due to power failure. The monitoring works were rescheduled and carried out on 31 August 2015.
8. Other 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
9. The air quality monitoring results in August 2015 are presented in Table 2.

**Table 2 Air Quality Monitoring Results in August 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)	94 (44 - 139)	62 (41 - 115)
AM2	Lee Kau Yan Memorial School	95 (34 - 194)	31 (18 - 61)
AM3(A)	Holy Trinity Bradbury Centre	92 (22 - 166)	48 (26 - 102)
AM4(A)	EMSD Workshop	105 (34 - 271)	76 (42 - 157)
AM5(A)	Po Leung Kuk Ngan Po Ling College	101 (31 - 265)	24 (15 - 34)
AA1	Ching Long Shopping Centre	95 (63 - 148)	48 (26 - 80)
AA2	Tak Long Estate	102 (70 - 142)	65 (40 - 122)

**Construction Noise**

10. All construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
11. The noise monitoring results in August 2015 are presented in Table 3.

**Table 3 Noise Monitoring Results in August 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	62 - 63
M2	SKH Kowloon Bay Kei Lok Primary School	70	62 - 66
M3	Rhythm Garden	75	68 - 73
M4	Cognitio College	70	63 - 65
M5	Lee Kau Yan Memorial School	76.7	71 - 76
M6(A)	Kowloon City District Kai Fong Association	75	62 - 69
M7(A)	Oblate Primary School	70	57 - 62
M8	CCC Kei To Secondary School	70	60 - 65
M9	Po Leung Kuk Ngan Po Ling College	70	61 - 69

Monitoring Station	Description	Allowable Noise Level Leq (30min) dB (A)	Noise Level Leq (30min) dB (A)
M10	Tak Long Estate	75	60 – 72
MA1	Ching Long Shopping Centre	75	62 – 71

### 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	1	Nighttime Noise and Lighting Nuisance	Mitigation measures conducted by the Contractor	Closed	---
	1	Water Quality	Mitigation measures conducted by the Contractor	Closed	---
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 AUGUST 2015 CAN BE VIEWED FROM THE ARCHIVED REPORT