

CLP Power Hong Kong Ltd

TETRA Radio Base Station at
Kai Kung Leng (Construction
Phase): *1st Monthly*
Environmental Site Audit Report

September 2011

Environmental Resources Management

21/F Lincoln House
979 King's Road
Taikoo Place
Island East, Hong Kong
Telephone: (852) 2271 3000
Facsimile: (852) 2723 5660
E-mail: post.hk@erm.com
<http://www.erm.com>

CLP Power Hong Kong Ltd

TETRA Radio Base Station at
Kai Kung Leng (Construction
Phase): *1st Monthly*
Environmental Site Audit Report

September 2011

Reference 0132494

For and on behalf of ERM-Hong Kong, Limited

Approved by: Frank Wan

Signed:

Position:

Wanching
Partner

Certified by : Winnie Ko

Signed :

Position : Independent Environmental Checker

Date : 16 September 2011

CONTENTS

<i>1</i>	<i>ENVIRONMENTAL SITE AUDIT</i>	<i>1</i>
<i>1.1</i>	<i>BACKGROUND</i>	<i>1</i>
<i>1.2</i>	<i>SITE AUDIT FINDINGS AND OBSERVATIONS</i>	<i>1</i>

Annex A Environmental Site Audit Checklist

1 ENVIRONMENTAL SITE AUDIT

1.1 BACKGROUND

The construction works of *TETRA Radio Base Station at Kai Kung Leng* (the Project) has commenced on 31 August 2011.


To fulfill Conditions 2.4 and 2.5 of the Environmental Permit (EP-406/2010), monthly environmental site audit should be undertaken to ensure that the mitigation measures recommended in Project Profile (PP) submitted for direct application of an Environmental Permit under EIA Ordinance (EIAO) (PP-423/2010) are properly implemented. A monthly audit report, certified by the independent checker, should be submitted to the Director of EP.

This is the 1st *Monthly Environmental Site Audit Report* presenting the key findings and observations of the site audit conducted on 7 September 2011. The reporting period covers 31 August to 30 September 2011.

1.2 SITE AUDIT FINDINGS AND OBSERVATIONS

The 1st monthly environmental site audit was conducted on 7 September 2011. The findings of the site inspection are summarised in *Table 1.1* below:

Table 1.1 *Summary of Site Observations*

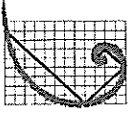
Observations/Findings	Recommendations	Photos
A rope was observed to be tied to the tree adjacent to the Project Site	The Contractor was recommended not to damage/disturb trees in the surrounding areas.	

Remedial action for the abovementioned environmental deficiency has been taken and verified immediately during the site inspection. The rope was removed immediately.

The environmental site audit checklist is appended in *Annex A*.

Annex A

Environmental Site Audit Checklist



ERM

Inspection Date: 7/9/2011 Time: 9:45 to 12:30

Inspected By: IEC Representative: Celine Lee / Andrew Fung
CLP Representative: Keith Cheung
Contractor: Kelvin Lam

Weather

Condition Sunny Fine Overcast Drizzle Rain Storm Hazy
Temperature 29 °C Humidity High Moderate Low
Wind Calm Light Breeze Strong

A General

	Yes	Yes, but need Improvement	No	N/A or not observed	Photo/Remarks
A1 Is the Environmental Permit displayed at the entrances / exits?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

B Air Quality

	Yes	Yes, but need Improvement	No	N/A or not observed	Photo/Remarks
B1 Is open burning avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B2 Are exposed soil surfaces regularly watered to avoid generation of dust?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
B3 Are plant and equipment well maintained? (ie without black smoke from powered plant)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
B4 Are stockpiles of dusty material covered or regularly watered?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B5 Is watering implemented during excavation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
B6 Is generation of dust avoided during loading/unloading/excavation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

C Noise

	Yes	Yes, but need Improvement	No	N/A or not observed	Photo/Remarks
C1 Is the Construction Noise Permit displayed at the entrances / exits (if any)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	} no equipment observed.
C2 Are all plant and equipment well maintained and in good operating condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C3 Is idle equipment turned off or throttled down?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C4 Are powered mechanical equipment covered or shielded by acoustic materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C5 Are silenced equipment used where practicable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C6 Is the number of construction plant being used minimized?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C7 Do air compressors have valid noise labels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C8 Do compressors operate with doors closed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

D Water Quality

	Yes	Yes, but need Improvement	No	N/A or not observed	Photo/Remarks
D1 Is wastewater discharge license, if any, available for inspection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	} no drainage system
D2 Is drainage system adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D3 Is drainage system well maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D4 Is debris and rubbish in the drainage system collected and	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

disposed of properly?

D5 Are there temporary ditches for runoff discharge into appropriate

Watercourse?

With silt retention pond?

D6 Are there sedimentation tanks for settling runoff prior to disposal?

D7 Is the capacity of sedimentation tank adequate?

D8 Is the sedimentation free from silt and sediment?

D9 Are the temporary stockpiles located away from stream or water course?

D10 Are proper mitigation measures (eg. sand bag, earth bund, trench) prevent silty surface runoff leaving the site.

D11 Toilet that connects to foul sewer or chemical toilets provided?

no near water course
no wastewater generate
no toilet works go down hill for toilet

E Waste/Chemical Management

Yes Yes, but need Improvement No N/A or not observed Photo/Remarks

General refuse

E1 Accumulation avoided?

E2 Receptacles (e.g. rubbish bins) available?

E3 Disposed of regularly and properly?

Chemical waste, waste oil

E4 Is the Chemical Waste Producer Registration available for inspection?

E5 Stored properly in designated area?

E6 Labelled properly?

E7 Disposed of properly?

E8 Trip tickets/ chits available for inspection?

Chemical/fuel storage area

E9 Are all spillage containment provided for all chemicals, oils and fuels stored on site, those equipment which potentially have oil leakage and for the area where maintenance works carrying out?

E10 Is storage area bunded?

E11 Adequate bund capacity? (>110% of the largest tank)

E12 Are storage areas provided with locks and located on sealed areas?

Construction Waste

E13 Reused where practicable?

Is sorting conducted on site?

E14 Transported offsite for proper disposal?

E15 Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?

Excavated Material

E16 Appears uncontaminated? (colour, odour)

E17 If suspected contaminated, appropriate procedures followed?

E18 Relevant license/permit/trip tickets/chits for disposal of construction waste or excavated materials available for inspection?

no chemical on site
no construction waste
not observe

F General / Housekeeping

Yes Yes, but need Improvement No N/A or not observed Photo/Remarks

F1 Are proper housekeeping measures being maintained?

F2 Are potential stagnant pools cleared and mosquito breeding prevented?

G Ecology

Yes Yes, but need Improvement No N/A or not observed Photo/Remarks

G1	Is damage and disturbance to the remaining and surrounding natural shrubby grassland and young woodland habitats avoided? (particularly those caused by filling and illegal dumping)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note ①
G2	Is damage to surrounding areas avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
G3	Are temporary work sites/disturbed areas reinstated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
G4	Is the work site confined within site boundaries?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
G5	Temporary buildings located in least visually prominent locations, painted in muted / recessive colours?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____

H	Culture Heritage	Yes	Yes, but need Improvement	No	N/A or not observed	Photo/Remarks
H1	Is access maintained to the grave during construction?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
H2	Is work avoided on the day of Chung Yuen Festival?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
H3	Is physical disturbance of the grave avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____



Notes / Issues Recorded On Site

1. Rope was observed tied on the tree to act as a support. ~~Some bottles~~

Corrective Actions

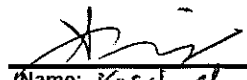
1. The Contractor was reminded to remove the rope in order to ~~prevent~~ protect the tree. The rope has been removed immediately by Contractor.

Signatures:
IEC Representative :


 (Name: Celine Lee)
 Andrew Fung

CLP Representative :



 (Name: Keith Cheung)

Contractor :



 (Name: Kelvin Lam)