

CLP Power Hong Kong Ltd

TETRA Radio Base Station at
Kai Kung Leng (Construction
Phase): *2nd Monthly*
Environmental Site Audit Report

November 2011

Environmental Resources Management

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Phase): 2nd Monthly
Environmental Site Audit Report

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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 :

1 November 2011

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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 *2nd Monthly Environmental Site Audit Report* presenting the key findings and observations of the site audit conducted on 19 October 2011. The reporting period covers 1 to 31 October 2011.

1.2 SITE AUDIT FINDINGS AND OBSERVATIONS

The 2nd monthly environmental site audit was conducted on 19 October 2011. The findings of the site inspection are summarised in *Table 1.1* below:

Table 1.1 Summary of Site Observations

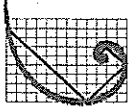
Observations/Findings	Recommendations	Photos
Rubbish was not properly stored on site and placed in the access area.	The Contractor was recommended to store the rubbish properly at designated area.	

Remedial action for the abovementioned environmental deficiency has been taken and verified immediately during the site inspection. The rubbish was removed and stored at designated area after the site audit.

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

Annex A

Environmental Site Audit Checklist



ERM

Inspection Date: 19/10/2011 Time: 9:30 to 12:00

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

Weather

Condition Sunny Fine Overcast Drizzle Rain Storm Hazy
Temperature 26 °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
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A1 Is the Environmental Permit displayed at the entrances / exits? _____

B Air Quality

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

B1 Is open burning avoided? _____
B2 Are exposed soil surfaces regularly watered to avoid generation of dust? _____
B3 Are plant and equipment well maintained? (ie without black smoke from powered plant) _____
B4 Are stockpiles of dusty material covered or regularly watered? _____
B5 Is watering implemented during excavation? _____
B6 Is generation of dust avoided during loading/unloading/excavation? _____

C Noise

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

} no equipment observed

D Water Quality

	Yes	Yes, but need Improvement	No	N/A or not observed	Photo/Remarks
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D1 Is wastewater discharge license, if any, available for inspection? _____
D2 Is drainage system adequate? _____
D3 Is drainage system well maintained? _____
D4 Is debris and rubbish in the drainage system collected and _____

} no drainage system

disposed of properly?

D5	Are there temporary ditches for runoff discharge into appropriate Watercourse? With silt retention pond?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	} <u>not near watercourse</u> <u>no wastewater generated</u>
D6	Are there sedimentation tanks for settling runoff prior to disposal?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D7	Is the capacity of sedimentation tank adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D8	Is the sedimentation free from silt and sediment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D9	Are the temporary stockpiles located away from stream or water course?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D10	Are proper mitigation measures (eg. sand bag, earth bund, trench) prevent silty surface runoff leaving the site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D11	Toilet that connects to foul sewer or chemical toilets provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>no toilet on site</u>

E Waste/Chemical Management

	Yes	Yes, but need Improvement	No	N/A or not observed	Photo/Remarks	
General refuse						
E1	Accumulation avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E2	Receptacles (e.g. rubbish bins) available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
E3	Disposed of regularly and properly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>note 1</u>
Chemical waste, waste oil						
E4	Is the Chemical Waste Producer Registration available for inspection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
E5	Stored properly in designated area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	} <u>no chemical on-site</u>
E6	Labeled properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
E7	Disposed of properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
E8	Trip tickets/ chits available for inspection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
E10	Is storage area bunded?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
E11	Adequate bund capacity? (>110% of the largest tank)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
E12	Are storage areas provided with locks and located on sealed areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Construction Waste						
E13	Reused where practicable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Is sorting conducted on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E14	Transported offsite for proper disposal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
E15	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Excavated Material						
E16	Appears uncontaminated? (colour, odour)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	} <u>not observed</u>
E17	If suspected contaminated, appropriate procedures followed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
E18	Relevant license/permit/trip tickets/chits for disposal of construction waste or excavated materials available for inspection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

F General / Housekeeping

	Yes	Yes, but need Improvement	No	N/A or not observed	Photo/Remarks	
F1	Are proper housekeeping measures being maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>note 1</u>
F2	Are potential stagnant pools cleared and mosquito breeding prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

G Ecology

Yes	Yes, but need Improvement	No	N/A or not observed	Photo/Remarks
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- 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) _____
- G2 Is damage to surrounding areas avoided? _____
- G3 Are temporary work sites/disturbed areas reinstated? _____
- G4 Is the work site confined within site boundaries? _____
- G5 Temporary buildings located in least visually prominent locations, painted in muted / recessive colours? _____

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 type="checkbox"/>	_____
H3 Is physical disturbance of the grave avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Notes / Issues Recorded On Site

1. Rubbish was not properly stored at site and place in the access area. Contractor was recommended to place the rubbish at designated area away from the access area.

Corrective Actions


- The Contractor was reminded to place the rubbish at designated area away from access area.
- The rubbish has been placed in a designated area away from the access area.


Signatures:

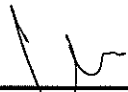
IEC Representative :

CLP Representative :

Contractor :


 (Name: Celine Lee)


 (Name: Keith Cheung)


 (Name: Kelvin Lam)