CLP Power Hong Kong Ltd

Renewable Energy Supply on Town Island (Construction Phase): 13th Monthly Environmental Site Audit Report

April 2012

Environmental Resources Management

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April 2012

Reference 0129569

For and on behalf of ERM-Hong Kong, Limited					
Approved by:	Frank Wan				
Signed:	Warch-M.T.				
Position:	Partner				
Certified by :	Winnie Ko				
Signed :	MAS				
Position : In	dependent Environmental Checker				
Date :	23 April 2012				

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1 ENVIRONMENTAL SITE AUDIT

1.1 BACKGROUND

The construction works of *Renewable Energy Supply on Town Island* (the Project) has commenced in March 2011.

To fulfill Condition 2.2 of the Environmental Permit (EP-397/2010) and environmental audit requirements stated in Section 5.7.1 of the approved Project Profile (PP) submitted for direct application of an Environmental Permit under EIA Ordinance (EIAO) (PP-413/2010), monthly environmental site audits should be undertaken to ensure that the mitigation measures recommended in PP are properly implemented.

This is the thirteenth *Monthly Environmental Site Audit Report* presenting the key findings and observations of the site audit conducted on 13 April 2012.

1.2 SITE AUDIT FINDINGS AND OBSERVATIONS

The thirteenth monthly environmental site audit was conducted on 13 April 2012. The construction works conducted during the site audit included foundation formation works at Site 1 and Site 2. All the temporary worksites have been reinstated. Three observations have been recorded during the site audit and are described below:

- An oil drum was observed storing without drip tray at Site 1 (Photo 1). The Contractor was reminded to provide drip trap for the oil drum within 3 working days.
- Stagnant water was observed inside bucket and on tarpaulin sheep at Site 2 (Photo 2). The Contractor was reminded to remove the stagnant water immediately.
- The haul road crossing the stream was observed without earth bund (Photo 3). The Contractor was reminded to provide earth bund at the edge of the haul road to avoid earth material entering into the stream.

The remedial actions for the three environmental deficiencies which were recorded during the previous reporting period has been taken and verified during the site inspection:

- Painting stain on ground at Site 1 has been removed.
- Stagnant water in drip trays at Site 1 and empty drums at Site 2 has been removed.
- Chemical inside a bucket at Site 1 and the contaminated soil next to it have been removed.

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• Road sign tied on tree trunk near haul road at Site 1 has been removed.

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

Photos of the site audit are given in *Annex B*.

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Annex A

Environmental Site Audit Checklist

E	Construction Phase	gy Supply on Town Island e - Environmental Site Audit
In	spection Date: 13-03-2012 Time:	10:00 to 12:00
	Inspected By: IEC Representative : Andrew Fung	
	CLP Representative : Raymond Ho / Lee Tin \	Yau
	Contractor : Rebel Hui (3Tech Corpo	
-	2.999-221X	
Con	nperature 21 °C Humidity His	Drizzle Rain Storm Hazy High Moderate Low Strong
A	General	Yes Yes, No N/A or Photo/Remarks but need not observed Improvement
A1	Is the Environmental Permit displayed at the entrances / exits?	
B	Air Quality	Yes Yes, No N/A or Photo/Remarks but need not observed Improvement
81	Is open burning avoided?	
B2	Are exposed soil surfaces regularly watered to avoid generation of d	dust?
83	Are plant and equipment well maintained? (Ie without black smoke from powered plant)	
B4	Are stockpiles of dusty material covered or regularly watered?	
85	Is watering implemented during excavation?	
B6	Is generation of dust avoided during loading/unloading/excavation?	
C	Noise	Yes Yes, No N/A or Photo/Remarks but need not observed Improvement
CI	Is the Construction Noise Permit displayed at the entrances / exits? (if any)	
C2	(ir any) 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 contstruction plant being used minimized?	
C7	Do air compressors have valid noise labels?	
CB	Do compressors operate with doors closed?	
D	Water Quality	Yes Yes, No N/A or Photo/Remarks
		but need not observed Improvement
DI	Is wastewater discharge license, if any, available for inspection?	
02	is drainage system adequate?	
D3		
04	Is debris and rubbish in the drainage system collected and disposed of amount/2	

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D6 D7 D8 D9 D10	Are there temporary dilches for runoff discharge into appropriate Watercourse? With silt retention pond? Are there sedimentation tanks for settling runoff prior to disposal? Is the capacity of sedimentation tank adequate? Is the sedimentation free from silt and sediment? Are the temporary stockpiles located away from stream or coastline? Are treaching carried out for the section of cable in the vicinity of and crossing the stream between Sites 1 and 2? Is cable trenching works scheduled to be carried out during dry season?					
E	Waste/Chemical Management	Yes	Yes, but need mprovemen		N/A or ot observed	Photo/Remarks
E1 E2 E3	General refuse Accumulation avoided? Receptacles (e.g. rubbish bins) available? Disposed of regularly and properly?	44				
E4	Chemical waste, waste oli Is the Chemical Waste Producer Registration available for Inspection?	4				
E5 E6 E7 E8	Stored properly in designated area? Labelled properly? Disposed of properly? 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?		1			Note 1
E10	Adequate bund capacity? (>110% of the largest tank)	1				
E12	sealed areas?				4	
E13	Is sorting conducted on site?	7				
E16	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?	1				See le si
E16			日	日		
E18		4				terre and the second
F	General / Housekeeping	Yes	Yes, but need Improveme		N/A or not observe	Photo/Remarks
F1	Are potential stagnant pools cleared and mosquito breeding prevented?		1			Note 2
G	Ecology	Yes	Yes, but need Improvement		N/A or not observe	Photo/Remarks ed
G1	Is damage and disturbance to the remaining and surrounding natural shrubby grassiand and yound woodland habitats avoided?	4				

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	Is damage to surrounding areas avoided? Are temporary work sites/disturbed areas reinstated?	R		
G4	Is disturbance to streams avoided during works?	V		Note 3
G5	Is any alternative method adopted for laying cable across stream between Sites 1 and 2?		1	

Items for Inspection

- Site 2 construction site.

Notes / Issues Recorded On Site

1) An oil drum was observed storing without drip tray at Site 1.

2) Stagnant water was observed Inside bucket and on tarpaulin sheep at Site 2.

3) The haul road crossing the stream was observed without earth bund.

Corrective Actions

1) The Contractor was reminded to provide drip trap for the oil drum within 3 working days.

2) The Contractor was reminded to remove the stagnant water immediately.

 The Contractor was reminded to provide earth bund at the edge of the haul road to avoid earth material entering into the stream.

Signatures: IEC Representative :

und

CLP Representative : Raymond Ho (Name:

contractor: 3 Tech Corpurate Ltd

Rebel Hu

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Annex B

Photo Records

Photo Records on 13 April 2012



Photo 1 – An oil drum was observed storing without drip tray at Site 1.



Photo 2 – Stagnant water was observed inside bucket and on tarpaulin sheep at Site 2.



Photo 3 – The haul road crossing the stream was observed without earth bund.