REPORT

CLP Power Hong Kong Ltd

Renewable Energy Supply on Town Island (Construction Phase): 18th Monthly Environmental Site Audit Report

September 2012

Environmental Resources Management

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September 2012

Reference 0129569

For and on behalf of ERM-Hong Kong, Limited				
Approved b	y: Frank Wan			
Signed:	Wardist.			
Position:	Partner			
Certified by	: Winnie Ko			
Signed :	Maria			
Position:	Independent Environmental Checker			
Date :	27 September 2012			
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CONTENTS

1	ENVIRO	NMENTAL SITE AUDIT	1
1.1	BACKGRO	UND	1
1.2	SITE AUDI	T FINDINGS AND OBSERVATIONS	1
	Annex A	Environmental Site Audit Checklist	
	Annex B	Photo Records	

1 ENVIRONMENTAL SITE AUDIT

1.1 BACKGROUND

The construction works of *Renewable Energy Supply on Town Island* (the Project) 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 eighteenth *Monthly Environmental Site Audit Report* presenting the key findings and observations of the site audit conducted on 11 September 2012.

1.2 SITE AUDIT FINDINGS AND OBSERVATIONS

The eighteenth monthly environmental site audit was conducted on 11 September 2012. The construction works undertaken during the site audit included superstructure works and installation of photovoltaic panels at both Site 1 and Site 2. All the temporary worksites between Site 1 and Site 2 for cabling works have been reinstated. Two observations have been recorded during the site audit and are described below:

• Chemical drums without drip tray was observed at Site 1 (*Photo 1*). The Contractor was asked to provide drip trays for the chemical drums.

The remedial actions for the environmental deficiencies which were recorded during the previous reporting period have been taken and rectified before the site inspection:

- Stagnant water inside the drip tray under the generator at Site 1 has been removed;
- Construction waste between Site 1 and Site 2 has been removed; and
- General refuse was properly stored at Site 2.

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

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



Renewable Energy Supply on Town Island Construction Phase - Environmental Site Audit



	ERM							
	Inspection Date:	11-09-2012	Time:	10:00	to		12:00	
	, Inspected By:	IEC Representative : CLP Representative : Contractor :	Fung Siu Chung Andrew Raymond Ho Mic Kwok (3Tech Corpo					
Co	,	Sunny Fine St *C Calm \(\forall \) Light	Humldity Hig	zzle Rain nh V Mode ong	Sto	L-	Hazy	
Ā	General			Yes	Yes, but need Improvemen		N/A or not observed	Photo/Remarks
A 1	Is the Environn	nental Permit displayed at	the entrances / exits?	٧				
В	Air Quality			Yes	Yes, but need Improvemen	No t	N/A or not observed	Photo/Remarks
B1	is open burning	avoided?		V				
82	Are exposed so	oil surfaces regularly water	ed to avoid generation of du	ust? √				
В3	Are plant and e from powered p	quipment well maintained? plant)	(ie wilhout black smoke	V				
В4	Are stockpiles	of dusty material covered o	r regularly watered?	V				
B5	Is watering imp	lemented during excavatio	n?				\overline{V}	···
86	Is generation o	f dust avoided during loadi	ng/unloading/excavation?				V	
c	Noise			Yes	Yes, but need Improvemen	No t	N/A or not observed	Photo/Remarks
C1	Is the Construc	tion Noise Permit displayed	at the entrances / exits?				V	
C2		d equipment well maintains	ed and in good operating	7				-
СЗ	ls idle equipme	nt turned off or throttled do	wn?	V				
C4	Are powered me acoustic materia	echanical equipment cover als?	ed or shielded by				V	
Ç5	Are silenced eq	ulpment used where practi	cable?	V				
C6	is the number o	f contstruction plant being	used minimized?	٧				
C7	Do air compress	sors have valld noise label	s?					
C8	Do compressors	s operate with doors closed	1?				V	
D	Water Quality			Yes	Yes, but need Improvemen	No t	N/A or not observed	Photo/Remarks
D1	Is wastewater di	scharge license, if any, av	ailable for inspection?	[7]				
D2	Is drainage syst		•					
D3	Is drainage syst	em well maintained?					$\overline{\Box}$	
D4	is debris and rul	obish in the drainage syste perly?	m collected and				ν'	

D6 D7 D8 D9	Is the capacity of sedimentation tank adequate? Is the sedimentation free from silt and sediment?					
Ē	Waste/Chemical Management	Yes	Yes, but need Improvemen		N/A or not observed	Photo/Remarks
E1 E2	General refuse Accumulation avoided? Receptacles (e.g. rubbish bins) available?	√				
E3	Disposed of regularly and properly?		Ħ	一	Ħ	
E4	Chemical waste, waste oil Is the Chemical Waste Producer Registration available for Inspection?	7				
E5	Stored properly in designated area?	V				
E6	Labelled properly?	4				
E7	Disposed of properly?	7				
E8	Trip tickets/ chits available for inspection?	لــا		Ш		
E9	Chemical/fuel storage area 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?		V			Note 1
E10		1				
E11	Adequate bund capacity? (>110% of the largest tank)	7				
E12	sealed areas?				V	
E13	Construction Waste Reused where practicable? Is sorting conducted on site?	[7]				-
E14	Transported offsite by boat for proper disposal?				듬	
E15	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?	V				
E16	Excavated Material Appears uncontaminated? (colour, odour)	7				
E17	If suspected contaminated, appropriate procedures followed?			\vdash		
E18	Relevant license/permit/trip tickets/chits for disposal of construction waste or excavated materials available for inspection?		LJ			
F	General / Housekeeping	Yes	Yes, but need Improvemen		N/A or not observed	Photo/Remarks
	Are potential stagnant pools cleared and mosquito breeding prevented?	V				
G	Ecology	Yes	Yes, but need Improvemen		N/A or not observed	Photo/Remarks
	Is damage and disturbance to the remaining and surrounding natural shrubby grassland and yound woodland habitats avoided?	V				

G2	Is damage to surrounding areas avoided?
G3	Are temporary work sites/disturbed areas reinstated?
G4	Is disturbance to streams avoided during works?
G5	Is any alternative method adopted for laying cable across stream between Sites 1 and 2?
	Items for Inspection
	- Site 1 construction site.
	- Site 2 construction site.
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١	Notes / Issues Recorded On Site
	1) Chemical drums without drip tray were observed at Site 1
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ſ	Corrective Actions
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	The Contractor was asked to provide drip trays for the chemical drums
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	Signatures: IEC Penresentative: Contractor:
	Signatures: IEC Representative: Contractor:
	Signatures: IEC Representative: CLP Representative: Contractor: (文字) (本文字) (本文字) (本文字) (本文字) (本文字) (本文字) (本文字) (本文字) (本文字)
	Signatures: IEC Representative: CLP Representative: Contractor: (Name: Andrew Fung) (Name: Raymond Ho) (Name: Mic Kwok)

Annex A

Environmental Site Audit Checklist

Annex B

Photo Records

Photo Record on 11 September 2012



Photo 1 – Chemical drums without drip tray were observed at Site 1