REPORT

CLP Power Hong Kong Ltd

Renewable Energy Supply on Town Island (Construction Phase): 17th Monthly Environmental Site Audit Report

August 2012

Environmental Resources Management

16/F DCH Commercial Centre 25 Westlands Road Quarry Bay, Hong Kong Telephone: (852) 2271 3000 Facsimile: (852) 2723 5660 E-mail: post.hk@erm.com http://www.erm.com

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August 2012

Reference 0129569

For and on behalf of ERM-Hong Kong, Limited			
Approved	by: Frank Wan		
Signed:	Harch-AT.		
Position:	Partner		
Certified b	y: Winnie Ko		
Signed :	Marie		
Position:	Independent Environmental Checker		
Date :	27 August 2012		

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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 the 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 seventeenth *Monthly Environmental Site Audit Report* presenting the key findings and observations of the site audit conducted on 15 August 2012.

1.2 SITE AUDIT FINDINGS AND OBSERVATIONS

The seventeenth monthly environmental site audit was conducted on 15 August 2012. The construction works undertaken during the site audit included superstructure works and the 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 back to grassland. Three observations were recorded during the site audit and are described below:

- Stagnant water was observed in the drip tray under the generator at Site 1 (*Photo 1*). The Contractor was asked to remove the stagnant water.
- Construction wastes were observed in the stream between Site 1 and Site 2.(Photo 2). The Contractor was asked to remove the construction wastes.
- General refuse was not properly stored at the designated area (for example the waste skip at Site 2). The Contractor was asked to store the general refuse properly at designated areas with cover.

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

- The dusty stockpile at Site 1 has been removed.
- Cement stains outside the site boundary of Site 2 have been removed.

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

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

Annex A

Environmental Site Audit Checklist



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



	ERM		, , , , , , , , , , , , , , , , , , , ,		ai oite Audit		
	Inspection Date:	15-08-2012	Time:	10:00	to [12:00	
	Inspected By:	IEC Representative :	Fung Siu Chung Andrew				
		CLP Representative :	Raymond Ho				
		Contractor :	Mic Kwok (3Tech Corporat	e Ltd.)			·
18	/eather						
C:	ondition $\sqrt{}$	Sunny Fine 33 °C Calm VLight	Overcast Drizzl	√Mode	Stor	m Hazy	,
Ā	General			Yes	Yes, but need Improvement	No N/A or not obser	
A1	Is the Environm	nental Permit displayed at	the entrances / exits?	V			
В	Air Quality			Yes	Yes, but need improvement	No N/A or not obser	
В1	Is open burning	avoided?				<u> </u>	
B2	Are exposed so	oil surfaces regularly water	ed to avoid generation of dust?	· [4]			
В3	Are plant and e from powered p	quipment well maintained? lant)	(ie without black smoke	V			
В4	Are stockpiles	of dusty material covered o	r regularly watered?	[1]			
B 5	Is watering impl	emented during excavation	n?				
B6	is generation of	dust avoided during loadii	ng/unloading/excavation?				
C	Noise			Yes	Yes, but need Improvement	No N/A or not obser	
C1	Is the Construct	ion Noise Permit displayed	i at the entrances / exits?				
C2	Are all plant and condition?	l equipment well maintaine	d and in good operating	1			
C3	is idle equipmen	it lumed off or throttled do	wn?	[]			
C4	Are powered me acoustic materia	chanical equipment cover ds?	ed or shielded by				
C5	Are silenced equ	ipment used where practic	cable?				
C6	is the number of	contstruction plant being	used minimized?	V			
C7	Do air compress	ors have valid noise labels	; ?				
C8	Do compressors	operate with doors closed	?			7	
D	Water Quality	Marie 100 (100 (100 (100 (100 (100 (100 (100		Yes	Yes, but need Improvement	No N/A or not observ	Photo/Remarks red
D1	Is wastewater dis	scharge license, if any, ava	allable for inspection?		[] [
D2	Is drainage syste		•				
D3	Is drainage syste	m well maintained?					
D4	is debris and rub disposed of prope	bish in the drainage syster erly?	m collected and				

	is damage and disturbance to the remaining and surrounding natural shrubby grassland and yound woodland habitats avoided?	V				
G	Ecology	Yes	Yes, but need improvement		N/A or not observed	Photo/Remarks
	Are potential stagnant pools cleared and mosquito breeding prevented?		₹			Note 2
F	General / Housekeeping	Yes	Yes, but need Improvemen		N/A or not observed	Photo/Remarks
E18	Relevant license/permit/trip tickets/chits for disposal of construction waste or excavated materials available for inspection?	V				
E17	If suspected contaminated, appropriate procedures followed?				V	
£16	Appears uncontaminated? (colour, odour)	V				
	as an alternative to ordering imported fill material?	7				
E14 E15	Transported offsite by boat for proper disposal? Are surplus inert materials being reused where practical	V				
F4 ·	Is sorting conducted on site?	√				
E13	Construction Waste Reused where practicable?					
E12	Are storage areas provided with locks and located on sealed areas?				[]]	
E11	The state of the s	V				
E10	leakage and for the area where maintenance works carrying out? Is storage area bunded?	V				
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		4			***************************************
E8	Trip tickets/ chits available for inspection?				$\overline{\lor}$	
E7	Disposed of properly?	₹				
E 6	Labelled properly?	H		H		
E 5	inspection? Stored properly in designated area?					· · · · · · · · · · · · · · · · · · ·
E4	Chemical waste, waste oil Is the Chemical Waste Producer Registration available for					
E3	Disposed of regularly and properly?	片				Note 1
E1 E2	Accumulation avoided? Receptacles (e.g. rubbish bins) available?	\ \				
	General refuse		Improveme			-
Ē	Waste/Chemical Management	Yes	Yes, but need	No	N/A or not observe	Photo/Remarks
D1	1 Is cable trenching works scheduled to be carried out during dry season?				V	
D1	O Are treaching carried out for the section of cable in the vicinity of and crossing the stream between Sites 1 and 2?				1	
D9	the state of the s	V				
D8	Is the sedimentation free from silt and sediment?					
Đ7	•		一	H	一	*****
D6			님			
	With slit retention pond?		H	片	l V	
DS	5 Are there temporary ditches for runoff discharge into appropriate Watercourse?		·		· •	

G2	Is damage to surrounding areas avoided?
G3	Are temporary work sites/disturbed areas reinstated?
34	Is disturbance to streams avoided during works?
3 5	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.
Į	
[Notes / Issues Recorded On Site
	1) Construction wastes were observed in the stream between Site 1 and Site 2. Also general refuse was not properly stored at the designated area for example waste skip at Site 2. 2) Staggant water was observed in the drip troy under the page of the stage.
	Stagnant water was observed in the drip tray under the generator at Site 1.
L	
ľ	Corrective Actions
	The Contractor was asked to remove the construction wastes from stream and to store the general refuse properly at designated area with cover.
	2) The Contractor was asked to remove the stagnant water properly.
L	
	ignatures: CRepresentative: CLP Representative: Contractor: 3784
	A H
(N	laring: Andrew Fung) (Name: Raymond Ho) (Name: Mic Kwok)
•	(Name: Raymond Ho) (Name: Mic Kwok)

Annex B

Photo Records

Photo Records on 15 August 2012



Photo 1 – Stagnant water in the drip tray under the generator at Site 1.



Photo 2 – Construction waste in the stream between Site 1 and Site 2.



Photo 2 – General refuse was not properly stored at the designated area.