CLP Power Hong Kong Ltd

Renewable Energy Supply on Town Island (Construction Phase): 1st Monthly Environmental Site Audit Report

April 2011

Environmental Resources Management

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April 2011

Reference 0129569

For and on behalf of ERM-Hong Kong, Limited				
Approved by:	Frank Wan			
Signed:	Warch H.			
Position:	Partner			
Certified by :	Winnie Ko			
Signed :	When			
Position : Inc	dependent Environmental Checker			
Date :	26 April 2011			

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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 Environmental Permit (EP-397/2010) and environmental auditing 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 first *Monthly Environmental Site Audit Report* presenting the key findings and observations of the site audit conducted on 15 April 2011.

1.2 SITE AUDIT FINDINGS AND OBSERVATIONS

The first monthly environmental site audit was conducted on 15 April 2011. The construction works have been commenced. All mitigation measures have been implemented in full except for a few areas as described below.

It was observed that temporary stockpiling (soil) was located next to the stream. The Contractor was therefore reminded to remove the stockpile as far as possible away from the stream before 22 April 2011 (see Photo 1 in *Annex B*).

It was observed that temporary stockpile of soil has been re-located (see Photo 2 in *Annex B*). The Contractor has been advised to check and confirm the site boundary of the Project. If the temporary stockpile is located outside the site boundary, the temporary stockpile should be moved within the site boundary immediately.

Rubbish bin was not provided within the site boundary during the site audit. The Contractor was advised to provide sufficient rubbish bins within the site boundary and was reminded to segregate the wastes.

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

The photos of the site audit are attached in *Annex B*.

ENVIRONMENTAL RESOURCES MANAGEMENT

Annex A

Environmental Site Audit Checklist

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	ERM		Rene Constru	wable Energy uction Phase	/ Supp - Envir	ly on Tov onmental	vn Island Site Aud	ît (CLP	Ð	中電
	Inspection Date: 1	5-04-2011		Time:	10	00	_ ∞ [11:30		
	Inspected By: IEC Represe CLP Represe Contractor :		Angus C Raymon Kinton S		ng						
W	/eather							_			
T	emperature 26 °C Vind Caim	Fine Light	Humidit	y 🛄 Hig	-	Rain √_Modera		torm [aw	Hazy		
~	General					Yes	Yes, but need Improveme		N/A or not observe		/Remarks
A 1	I is the Environmental Permit	displayed at th	e entranc	æs / exits?							
B	Air Quality					Yes	Yes, but need		N/A or not observe		Remarks
B1	Is open burning avoided?						, _				
82		gulariy watered	i to avoid	generation of d	ust?	님	H				
83											
84	and an an and			watered?		$\overline{\mathbf{v}}$					
85						\Box					
B6		during loading	y'unloadin	g/excavation?		4					
C	Noise					Yes	Yes, but need mprovemen		N/A or not abserved		Remarks
C1	is the Construction Noise Per (if any)	mit displayed a	at the entr	ances / exits?					$\overline{\mathbf{A}}$		
C2	Are all plant and equipment w condition?	ell maintained	and in go	ood operating							
СЭ	Is idle equipment turned off o	r throttled dow	n?								
C4	Are powered mechanical equi acoustic materials?	pment covere	d or shield	ied by							
C5	Are silanced equipment used	where practice	uble?			H		H	L L		
C6	is the number of contstruction			ized?			H	H	H		
C7	Do air compressors have valk	i noise labels?	I					H	F		
C8	Do compressors operate with	doors closed?					\square				
D	Water Quality					Yes	Yes,	No	N/A		
							but need	л	N/A or iot observed	17 1010/ 1	Remarks
D1	is wastewater discharge licens		able for in	spection?							
D2	is drainage system adequate?							\square	Ţ		
D3 D4	is drainage system well mainta Is debris and rubbish in the dra		collected	and					7		

D8 D7 D8 D9 D10	disposed of properly? Are there temporary ditches 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 coastine? Are the temporary stockpiles located away from stream or coastine? Are the temporary stockpiles located away from stream or coastine? Are the temporary stockpiles located away from stream or coastine? Are the temporary stockpiles located away from stream or coastine? Is cable trenching works acheduled to be carried out during dry season? Waste/Chemical Management					Note 1
			but need Improveme	1	not observe	
E1 E2 E3	General refuse Accumulation avoided? Receptacles (e.g. nubbish bins) available? Disposed of regularity and property?	404				Note 3
E4	Chemical waste, waste oil is the Chemical Waste Producer Registration available for inspection?					
E5 E6 E7 E8	Stored property in dasignated area? Labelled property? Disposed of property? Trip tickets/ chits available for inspection?					
E9	Chemica/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?					
E10 E11 E12	is storage area bunded? Adequate bund capacity? (>110% of the largest tank) Are storage areas provided with locks and located on sealed areas?				4	
E13 E14	Construction Waste Reused where practicable? Is sorting conducted on site? Transported offsite by boat for proper disposal?					
E15	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material? Excavated Material	V				,
E16 E17 E18	Appears uncontaminated? (colour, odour) If suspected contaminated, appropriate procedures followed? Relevant license/permit/rip tickets/chits for disposal of construction waste or excavated materials available for inspection?					
F	General / Housekseping	Yes	Yes, but need mprovemen		N/A or ot observed	Photo/Remarks
	re potential stagnant pools cleared and mosquito breeding revented?					
G E	cology	Yea	Yes, but need mprovement		N/A or ot observed	Photo/Remarks
G1 k	damage and disturbance to the remaining and surrounding natural		<u>.</u>			Note 2

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shrubby grassland and yound 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 disturbance to streams avoided during cable laying?
- G5 is any alternative method adopted for laying cable across stream Sites 1 and 2?

			$\overline{\mathbf{A}}$	
between	Ц			
Darmasu			V	

iter	ms for Inspection	 	-
-	Site 1		
•	Site 2		
•	Worksite for underground pipe		

Notes / Issues Recorded On Site

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- 1 Temporary stockpile was observed to be located near the stream.
- 2 It was observed that the temporary stockpile of soil may be located outside the site boundary.
- 3 Rubbish binwas not provided within the site boundary.

Corrective Actions

- 1 The Contractor was recommended to remove the stockpile as far as possible away from the stream before 22 April 2011.
- 2 The Contractor was recommended to check and confirm the site boundary of the Project. If the temporary stockpile is located outside the site boundary, the temporary stockpile should be moved within the site boundary.
- 3 The Contractor was recommended to provide sufficient rubbish bins within the site boundary and was reminded to segregate the

Signatures: IEC Representative :

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CLP Representative :

Contractor (Name: Kinton Suen

(Name: Raymond Ho

Annex B

Photo Records

Photo Records on 15 April 2011



Photo 1 - Temporary stockpile was observed located next to the stream.



Photo 2 - Temporary stockpile that was observed maybe located outside the site boundary.

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