REPORT

CLP Power Hong Kong Ltd

Renewable Energy Supply on Town Island (Construction Phase): 4th Monthly Environmental Site Audit Report

July 2011

Environmental Resources Management

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July 2011

Reference 0129569

For and on behalf of ERM-Hong Kong, Limited	
Approved by: Frank Wan	
Signed: hadet	
Position: Partner	_
Certified by : Roger Leung	_
Signed:	
Position: Independent Environmental Checke	er
Date : 25 July 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 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 forth *Monthly Environmental Site Audit Report* presenting the key findings and observations of the site audit conducted on 13 July 2011.

1.2 SITE AUDIT FINDINGS AND OBSERVATIONS

The fourth monthly environmental site audit was conducted on 13 July 2011. The construction works have commenced. All mitigation measures have been implemented in full except for the area described below.

• Stagnant water was observed inside the scoop of excavator at site 1 (See Photo 1). The Contractor was reminded to remove the stagnant water and turns the scoop upside down to prevent accumulation of stagnant water.

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

- One more plastic box folder for the environmental permit has been added (See Photo 2).
- Sand bags have been added at the worksite for underground pipe and cabling works to act as silt trap to prevent eroded soil from being washed away to low-lying areas (See Photo 3).

The environmental site audit checklist is appended 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



C	RIVI							
tn	spection Date:	13-07-2011	Time:	10:00	to		11:00	Wire
	Inspected By:	IEC Representative : CLP Representative : Contractor :	Andrew Fung Raymond Ho K. Q. Cheung, Tany Ho					
We	ather	**			16			
Con	rdition	Sunny √ Fine	Overcast Drizzle	Rein	Sto	m [Hazy	
Ten	perature	29 °C	Humidity High	Moder	ata 🔲 Lov	w		
Win	d 🗀	Calm V Light	Breeze Strong		9			
A	General			Yes	Yes, but need improvemen		N/A or not observed	Photo/Remarks
A1	Is the Environ	mental Permit displayed at	the entrances / exits?	₹				
В	Air Quality	, , , , , , , , , , , , , , , , , , , ,	9,	Yes	Yes, but need improvemen		N/A or not observed	Photo/Remarks
B1	is open bumir	ig avolded?					1	
B2	Are exposed a	coll surfaces regularly water	ed to avoid generation of dust?	, =		E	7	
83	Are plant and from powered	equipment well maintained plant)	? (is without black smoke				7	
B 4	Are stockplies	of dusty material covered	or regularly watered?	4				
B5	Is watering Im	plemented during excavation	on?				V	
B6	is generation	of dust avoided during load	ing/unioading/excevation?				1	
C	Noise			Yes	Yes, but need Improvemen		N/A or not observed	Photo/Remarks
C1	Is the Constru (if any)	ction Noise Permit displaye	d at the entrances / exits?				4	
C2	Are all plant a condition?	nd equipment well maintair	ned and in good operating	J				
C3	ls idle equipm	ent turned off or throttled d	own?				V	
C4	Are powered acoustic mate	mechanical equipment covi rials?	ered or shleided by	*			4	
C5		quipment used where prac					V	
C6		of containuction plant being	A STATE OF THE PARTY OF THE PAR	7				·
C7	RESERVED TO SERVED AND ADDRESS OF	essors have valid noise labo					4	
C8	Do compresso	ors operate with doors close	ed?		Ш	Ш	1	
D	Water Quali	ty		Yes	Yes, but need Improvemen		N/A or not observed	Photo/Remarks
D1	le wastewater	discharge license, if any, a	vailable for inspection?				7	
D2		stem adequate?	at .	Ħ	6	H	T	
D3		stem well maintained?		Ħ	一	Ħ	7	\ = =\
D4	is debris and	rubbish in the drainage sys	tem collected and			口	T	

	disposed of properly?					
D5	Are there temporary ditches for runoff discharge into appropriate					
	Watercourse?				1	<u> </u>
	With silt retention pond?				~	
D6	Are there sedimentation tanks for settling runoff prior to disposal?				$\overline{\Box}$	
D 7	is the capacity of sedimentation tank adequate?		Ħ	Ħ	$\overline{}$	
D8	Is the sedimentation free from silt and sediment?			Ħ	T	12 12 10 11
D9	Are the temporary stockpiles located away from stream or coastline?		Ħ		Ħ	
	Are trenching carried out for the section of cable in the vicinity of and			=	H	-
Dio	crossing the stream between Sites 1 and 2?			ш		
D11	Is cable trenching works scheduled to be carried out during dry season?	4				
E	Waste/Chemical Management	Yes	Yes,	No	N/A or	Photo/Remarks
			but need Improvemer		ot observed	
	General refuse					
E1	Accumulation avoided?	N				
E2	Receptacles (e.g. rubbish bins) available?	V				
E3	Disposed of regularly and property?	N				
	Chemical waste, waste oil					
E4	is the Chemical Waste Producer Registration available for inspection?	Ш			1	
E5	Stored properly in designated area?				1	
E6	Labelled properly?				1	
E7	Disposed of properly?				V	
E8	Trip tickets/ chits available for inspection?				V	
	Chemical/fuel storage area	2				
E9	Are all spiliage 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					V	
E11	Adequate bund capacity? (>110% of the largest tank)	Ħ		三	T	_
E12	Are storage areas provided with locks and located on	140000 - 14				
	cealed areas?				V	(**************************************
	Construction Waste					
E13	O STATE OF THE PARTY OF THE PAR	H	Щ			(1-20-1-20-1-20-1-20-1-20-1-20-1-20-1-20
0-2900	is sorting conducted on site?	T.	닐		닏	
E14	A CONTRACTOR OCCUPATION OF THE PERMANENT PROPERTY OF THE CONTRACTOR OF THE CONTRACTO	4	ш			O 5. NO
E15	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?			П	4	
Y-573	Excavated Material					
E16						
E17	He state of the st	님	닉	\square		
E16	Relevant license/permit/trip tickets/chits for disposal of construction waste or excavated materials available for inspection?	لــا		لـــا	[A]	
F	General / Housekeeping	Yes	Yes.	No	N/A or	Photo/Remarks
		The same is	but need	1	not observed	The state of the s
			Improveme	Mt .		
F1	Are potential stagnant pools cleared and mosquito breeding		1			Note 1
	prevented?					
G	Ecology	Yes	Yes,	No	N/A or	Photo/Remarks
			but need improveme	N 25	not observed	
G1	is damage and disturbance to the remaining and surrounding natural	7				

	(particularly those caused by filling and illegal dumping)						
2	is damage to surrounding areas avoided?						
le }	Are temporary work sites/disturbed areas reinstated?	T		Ħ	\equiv		
ks	is disturbance to streams avoided during cable laying?	T	Ħ	Ħ	Ħ	-	
	is any alternative method adopted for laying cable across stream betwee Sites 1 and 2?	en 🕡					
-	Items for Inspection						
	- Site 1.						
	- Worksite for underground pipe and cabling works.						
				~_			
I	Notes / Issues Recorded On Site						
l	Stagnant water was observed inside the bucket of excavator		men i Stands on 10 Laure Albe				<u> </u>
-11							
	Correction Actions						
	Corrective Actions		arti manus paga saga saga	art down as no side (1893)	······································		
	Corrective Actions 1 The Contractor was reminded to remove the stagnant water and to water occur.	um the bucket i	upside down	ı lo prevent	slagnant		
	1 The Contractor was reminded to remove the stagmant water and to	um the bucket i	upside dowr	i lo prevent	stagnant		
	1 The Contractor was reminded to remove the stagmant water and to	um the bucket t	upside dowr	i lo prevent	stagnant		
	1 The Contractor was reminded to remove the stagmant water and to	um the bucket i	upside dowr	i to prevent	stagnant		- The second of
200	The Contractor was reminded to remove the stagnant water and to water occur. Signatures:						
12 C	The Contractor was reminded to remove the stagmant water and to water occur.			n to prevent			

Annex B

Photo Records

Photo Records on 13 July 2011



Photo 1 - Stagnant water was observed inside the scoop of excavator at site 1.



Photo 2 - One more plastic box folder for the environmental permit has been added.



Photo 3 - Sand bags have been added at the worksite for underground pipe and cabling works to act as silt trap to prevent eroded soil from being washed away to low-lying areas.