CLP Power Hong Kong Ltd

Renewable Energy Supply on Town Island (Construction Phase): 2nd Monthly Environmental Site Audit Report

May 2011

Environmental Resources Management

21/F Lincoln House 979 King's Road Taikoo Place Island East, Hong Kong Telephone: (852) 2271 3000 Facsimile: (852) 2723 5660 E-mail: post.hk@erm.com http://www.erm.com CLP Power Hong Kong Ltd

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May 2011

Reference 0129569

For and on	behalf of ERM-Hong Kong, Limited
Approved	by:Frank Wan
Signed:	hand-t
Position:	Partner
Certified b	y : Roger Leung
Signed :	hh.
Position :	Independent Environmental Checker
Date :	19 May 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 second *Monthly Environmental Site Audit Report* presenting the key findings and observations of the site audit conducted on 11 May 2011.

1.2 SITE AUDIT FINDINGS AND OBSERVATIONS

The second monthly environmental site audit was conducted on 11 May 2011. The construction works have commenced. All mitigation measures have been implemented in full except for a few areas as described below.

It was observed that stockpiles (soil) were still found lying adjacent to the stream and at Site 1. Although the stockpiles were packed in bags, there is still a potential risk of having adverse impacts to the environment during rainy days. The Contractor has been reminded to remove the stockpiles within two weeks. (See Photo 1 and Photo 2 in *Annex B*).

Stagnant water was also observed on the tarpaulin sheets covering the stockpiles abutting the stream and at Site 1 (See Photo 3 in *Annex B*). The Contractor has been reminded to remove the stagnant water immediately and frequently inspect and clear stagnant water during regular weekly inspection.

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The environmental site audit checklist is attached in Annex A.

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

Annex A

Environmental Site Audit Checklist

Hanni E	RM		Renewable Energy St Construction Phase - En	upply on Tow nvironmental	vn Is la nd I Site Audit	C	CLP	中電
In	apection Date:	11-05-2011	Time:	10:00		_	11:00	
	Inspected By:	IEC Representative : CLP Representative : Contractor :	Andraw Fung Raymond Ho K. Q. Cheung					
We	ather							
Cor	ndition 🔽	Sunny Fine		Asin Rein		orm [Hazy	
Ten Win	nperature 27	7.2_1℃ Calm \√Light	Humidity High	_√_Moden	ateiLo	*		
A	General			Yes	Yes, but need Improvemen	No nt	N/A or not observed	Photo/Remarks
Al	is the Environm	nental Permit displayed at	the entrances / exite?	. 1				
8	Air Quality			Yes	Yes, but need improvemer	No I	N/A or tobserved	Photo/Ramarka
B1	la open burning	avoided?					7	
82	Are exposed as	oil surfaces regularly water	ed to avoid generation of dust	۲ آ			_	
83	Are plant and e from powered ;	equipment well maintained plant)	? (le without black smoke				4	
84	Are stockpiles	of dusty material covered o	or regularly watered?	4				
85	is watering imp	during excevation	on7					
86	la generation o	f dust avolded during load	ing/unloading/excavation?					
C	Noise			Yes	Yas, but need Improvemer	No nt	N/A ar not observed	Photo/Remarks
C1	is the Construc (If any)	tion Noise Parmit displaye	d at the entrences / exits?				4	· · · · · · · · · · · · · · · · · · ·
C2	Are all plant an condition?	d equipment well maintain	ed and in good operating				1	. <u> </u>
C3	is idle equipme	int turned off or throttled do	wn?				4	
C4	Are powered m acoustic materi	lechanical equipment cove iale?	red or shielded by		[]			
C5	Are silanced ec	uipment used where prad	lcable?				Ţ	
C6	is the number o	of contatruction plant being	usad minimized?					
C7	Do air compres	sors have velid noise labe	ís?					
Ca	Do compressor	a operate with doors close	d?					
D	Water Quality	y		Yes	Yes, but need Improvemen	No I	N/A or not observed	Photo/Remarks
D1	h waslewater o	ilscharge license, if any, av	vailable for inspection?				\checkmark	
D2	is drainage syst	tem adequate?					<u>_</u>	
03	is drainage syst	tem well maintained?						
D4	is debris and ru	ooish in thé dráinage systi	am collected and					

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D5 D6 D7 D8 D10 D11 E	disposed of properly? Are there temporary diches for runoff discharge into appropriate Watercourse? With elli retention pond? Are there aedimentation tanks for setting runoff prior to disposal? Is the capacity of sedimentation tank adequate? 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? Waste/Chemical Management	Yas Yas, No N/A er Photo/Remain Yas Yas, No N/A er Photo/Remain	rics
E1 E2	General refuse Accumulation avoided? Receptacies (e.g. rubbish bins) available?		
E3	Chemical waste, waste oil Is the Chemical Waste Producer Registration available for inspection?		
E5 E6 E7	Stored property in designated area? Labellad property? Disposed of property?		
E8 E9	Trip tickets/ chite available for inspection? Chemicat/luel storage area Are all spillage containment provided for all chemicata, oits and fuels stored on aits. Inose conformant which potentially have oil		
E10 E11	leakage and for the area where maintenance works carrying out? Is storage area bunded? Adequate bund capacity? (>110% of the largest lank)		
E12	Are storage areas provided with looks and located on sealed areas? Construction Waste		
E13 E14	Reused where practicable? Is sorting conducted on site? Transported offsite by boat for proper dispose!?		
E15	Are surplus inert materials being reused where practical as an alternative to ordering imported fill material?		
€16 E17 E18	Appears uncontaminated? (colour, odour) If suspected contaminated, appropriate procedures followed? Relevant license/permit/trip ticksts/chits (or disposal of		
F	construction waste or excevated materials available for inspection? General / Housekeeping	Yos Yes, No N/A or Photo/Rema	/ks
F1	Are potential etagnant pools cleared and mosquito breading provented?	Intprovement	
G	Ecology	Yas Yes, No N/A or Photo/Rama but need not observed	irks
G1	is damage and disturbance to the remaining and eurrounding natural		

Page 2 of 3

shr (pa	ubby gracela inficularly tho	nd and yound a caused by fi	ing and litege	Mais avoiceo 1í dumping)	•						
la d	lamage to su	wounding area	s avoided?								
Are	lemporary v	ork sitea/distu	bed areas rel	Instated?		<u>لە</u>					
ls d	listurbance le	streams avoid	ed during cal	ble laying?							
la a Site	ony alternativ as 1 and 27	method adop	ied tor laying	cable across	stream betwe	ien 🔽					
lte	ms for Insp	ection							Annual Contractor		
-	Site 1 Worksite	or un dergrou	id pipe								
No	tes / Issuer	Recorded (n Site				، بچر ویت کچا دے و بوت 165				
1	Stockpilos in bags, th Stagnant s	(soil) were s ere is still a p vater was ob:	lli found nex otential risk erved on the	t to the stread of having ac e tarpulin sh	am and at Si dversc impac leets coverin	te 1. Althoug its to the env g the stockpi	h the stock ronment c es located	kpiles were luring rainy I next to th	e packed / day. e stream :	and at Si	Je 1.
1 2	Stockpilos in bags, th Stagnant Stagnant	(soli) were a ere is still a p vater was ob: tone	lli found nex otential risk erved on th	t to the stre. ol having ac a tarpulin sh	am and at Si dverse impac neets coverin	te 1. Althoug Its to the env g the stockpi	h the stock ronment c es located	(piles were luring rain) i next to th	e packed / day. e stream :	and at Si	ua 1.
1 2 <u>Co</u>	Stockpilos in bags, th Stagnant Stagnant rrective Ac	(soli) were a ere is still a p vater was ob vater was ob ions	lli found nex otential risk erved on the	t to the stre ol having ac e tarpulin sh	am and at Si dversc impac leets coverin eets coverin	te 1. Althoug Is to the env g the stockpi	h the stock ronment c es located	spiles were luring rainy i next to th	e stream :	and at Si	ua 1.
1 2 <u>Co</u> 1 2	Stockpilos in bags, th Stagnant Stagnant The Contr The Contr during reg	(soli) were a ere is still a p vater was ob: ions actor was ren actor was ren ular weekly s	lli found nex otential risk erved on the erved on the inded to ren inded to ren inded to ren inded to ren	t to the stre ol having ac a tarpulin sh nove the sto nove the sta 1.	am and at Si dverse impac leets coverin leets coverin leets coverin leets coverin leets coverin	te 1. Althoug its to the env g the stockpi n two weeks immediately	and freqe	(piles were luring rainy d next to th	e packed / day. e stream : t and clea	and at Si	la 1.
1 2 Co. 1 2	Stockpilos in bags, th Stagnant s Stagnant s The Contr The Contr during reg	(soil) were a ere is still a p vater was ob: lons actor was ren actor was ren ular weekly s	III found nex otential risk erved on the erved on the inded to ren inded to ren inded to ren	t to the stre of having ac a tarpulin sh nove the sta nove the sta	am and at Si dverse impac neets coverin beckpiles withingnant water	te 1. Althoug its to the env g the stockpi n two weeks immediately	and freqe	(piles were luring rain) i next to th	t and clea	and at Si	ua 1.

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(Name: Raymond Ho

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(Name: K.Q. Cheung

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Annex B

Photo Records

Photo Records on 11 May 2011



Photo 1 - Stockpile was observed at Site 1.



Photo 2 - Stockpile was observed adjacent to the stream.



Photo 3 – Stagnant water was observed on the tarpaulin sheet covering the stockpile located next to the stream.

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