Appendix H

Site Audit Summary

(In order to save paper, the weekly inspection checklists are provided only in electronic format in the CD-ROM enclosed.)

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Site Formation, Piling Works and Superstructure Works

Weekly Site Inspection Checklist

Inspection of	late 3/8/05 Time [10:00] Inspecte	d By	ET: [Um	, Wi	e Wash	7
Site	LMX-Superstructure	Į	Соли	actor	gar	4	J
Weather							
Condition Temperate	Sunny Fine Overcast Hazy Tre C Humidity High Moderat	e [Driza	_	Ra	in Sto	ım
Wind	Calm Light Breeze Strong						
GENERAL							
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		V				
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		1	ŀ	•		1

AIR QUALITY

Ref.	Checklist Condition	NA	Yes	No	Unk	Remarks			
	General Requirements			h	<u> </u>				
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		V			-			
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		V						
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/							
	Construction Sites			<u></u>	Ļ <u> </u>	<u> </u>			
EM&A:	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		1						
	Stockpiling of dusty materials								
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	V							

Rel.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Concent and dry pulsorized tuet ash (PEA)			ام ــــــــــــــــــــــــــــــــــــ	<u> </u>	Parties and Partie
Cap311R: Sch 15(3)	Are the storage sites for coment or dry PFA prevented from overfilling?	/	Maghabas da da da maghabas			And the second s
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	1				
Cap311R: Seh 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	V				
Cap311R: Sch 17	Are the gement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	1			CAMPACAGE AND PACES	park large - vacations
	Loading, unloading or transfer of dusty materials	1				<u> </u>
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V				
eni&a: Ai	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	V				
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: Al	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	1				a.
Cap311R: Sch 2I(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		V			
	Transfer of dusty materials using a belt conveyor system	<u> </u>	L	1	<u>L.</u>	<u> </u>
Cap311R: Seh 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	V				
Cap311R: Seh 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	V				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1				
	Concrete batching plant	A:	L	. 	L	
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	~				
EM&A:	Are dusty materials, except cement and dry PFA, wetted by water spray system?	V				Mangal
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	1				. Arines
EM&A:	Are all the conveyor transfer points totally enclosed?	<u> </u>		-		

Rel.	Checklist Canditian	N/A	Yes	No	Unk	Remarks
	Miscellaneums					
Capatitie Sen in	Are completed earthworks scaled and hydroseeded and planted as soon as possible.	1				
Cap3110	Is open burning prohibited?	1	1	} 		
Capsil	ts black smoke emission from plant/equipment avoided		~			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	NA	Yes	No	Unk	Remarks
	Dredged Materials					
ivmp Emaa: Ej	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	V				
ivnip Em&a: ej	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	V				
emaa: ej	Are wastes disposed of at licensed sites?	V				
	Construction Waste and Excavated Materials					
wmp Emba: ej	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	V				
VMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	V				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		1			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?		V			
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/				
ENI&A: E3	Are wastes disposed of at licensed sites?	1				
	General refuse	- 	.		<u></u> .	
WMF	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		1	1		
WAIP	Is general refuse stored within receptacles and separated from chemical wastes?		1			
WAIP	Is the refuse disposed of regularly and property?	†	1	1		
WNIP	Are burning of refuse at site and dumping at sea prohibited?	1		1	t	
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	V				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
wbo	Has the Contractor been registered as a chemical waste producer?	V		+		<u> </u>
EM&A: E3	Has the Contractor kept all the top tickers for the disposal of chemical waste and made them awayable for inspection?				· · · · · · · · · · · · · · · · · · ·	general Art Torre
EM&A: E4	Is chemical waste handled according to the Cude of Practice on the Packaging. Handling and Storage of Chemical Waste*?	0			Per 1999, com commune	The state of the s
em&a: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	~		en den took da. i		
	Storage, collection and transportation of waste	4	***************************************			*
EM&A: E3	Are wastes transported by enclosed containers or covered tracks?	V				
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	(1) public fill materials for on-site reuse, or disposal at public filling area;	1				
- 1969-	(2) rousable / recyclable materials;	2				
	(3) un-reusable / non-recyclable waste for landfill disposal:	1				
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	w				

WATER QUALITY

Ref	Checklist Condition	NIA	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?					
PN 1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	V				
PN1794	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	1				
PN1/94	Are open stockpiles of construction materials (e.g., aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	V			ONE STATE OF	762 ST
PN1/94	Are inanholes (including newly constructed ones) adequately covered and temporarily scaled so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/		4220		
	Grøundwater	ļ,				
PN1/94	is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water	<u> </u>	<u> </u>			Management of the Control of the Con
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation. If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	V		And the second		
	Wheel Washing Water	The state of the s			1	
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?		16			

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: GI	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	1				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	V				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	V				

NOISE

Ref	Checklist Condition		N/A	Yes	No:	Unk	Remarks
EM&A: Cl	Are working programmes sched	uled to imnimize noise nuisance?					
EM&A: C1	Are construction works or equip nuisance?	oment sited to minimize noise	* British 2- Annual was	V			
EM&A: CI	Are all plant and equipment mai conditions?	ntained in good operating		V			And the second s
EM&A: CI/GP	Is idle equipment turned off or t	hrottled down?		V			
EM&A: CI	Are methods of working devises nuisance?	d and arranged to minimize noise		1/			Maria da Ma
EM&A: CI)	Are construction works carried nuisance?	out in a manner to minimize noise		V			
EM&A: CZ	To mitigate construction noise of holidays, is either one of the fol a) Mitigation by portable noise b) Rescheduling of some powsensitive time periods?		v			No. of the control of	
EM&A: C3	To mitigate night time construct equipped with silencers or muff	tion noise, is dredging equipment lers?	V		- 1		
NCO	Are valid construction noise per inspection?	mits, if required, available for		~			- #
NCO	Are conditions of construction relevant part(s) of the works im			~			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?			10	****		estato Calvo Singra <u>sentencia</u> con Pilita esta esta esta esta esta esta esta es
AT STREET, SERVICE STREET, SER	Meine	Major noise source(s) Construction activities outside the site			ructio	n activ	ities inside the
	major noise source(s)				S		

Abbreviation

EP - Am - aptitus - aptitus Cap314 PN1.084 Unk	Violard En one and Province Mars, gone or Plan APC (Construction Dost APC (Open Burning) Re Air Pollution Control Or Practice Note for Profess Unknown	i / Regulation gulation dinance	NCO WDO		gkaen t
Remark		The second secon			
Nil					
a y g a same	A STATE OF THE STA	- 1997年 - 19	Million via Anna de la Companya de l	TO COLOR OF THE CO	9 de difficience
. Na an an ann an an an an an an an an an a			95.7% (1648)	190 - 194 - 1	MCM40h.
and the contract of the contra	онно на надажения положения (1999—1995) в большо надажений на положений на положений на положений на положения	en maken de ver e ersong generale School ch kande van er verste o nsommen ge nere en en d e verste belag i t.		name kanalususki 1999-1988 kilomoogi (poli 1800), suuraanamassa kihdella kilomoogi ja kanalususki kilomo	***************************************
	CONTRACTOR AND	ann an gailte de the Maria Maria Maria ann ann an an an an an an Aire an Aire an Aire an Aire an Aire an Aire a	goggan yn cynniu in eas cynniyy y e greggennau nag ur		= mhada
,		And the second s	***************************************	t.	XXXII.
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Signatures		A.S. 1561			
ET Member		Contractor's Represent	afive		

(Name in Blogs letters:

(Name in Block letters:

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11th November 2002

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Site Formation, Piling Works and Superstructure Works

Weekly Site Inspection Checklist

faspection d	have 10/8/05 1 me 09:30 Inspecte	d By	E) Contr	Wa	y W	ing Wah _
Site	IMX- Superstructure	ı			1 00	
Weather						
Condition	Sunny Fine Overcast Hazy		_		Ra	in Stor
Temperatu	re C Humidity High Moderat	e [Low) , .		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		1			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		V		-	
AIR QUAL Ref.	Checklist Condition	NA	Yes	No	Unk	Remarks
	General Requirements	Ł	<u> </u>		<u> </u>	
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		V			
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		V			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	V				
ر مستوری د موسد	Construction Sites	1	<u> </u>	<u> </u>		<u> </u>
EM&A:	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		V			
·	Stockpiling of dusty materials				+	
Cap311R: Seh 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wer to prevent dust emission?	V				

Rel.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Concert and day puls érized (nel 388 (PFA)			<u> </u>	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Cap311R: Sch 15(3)	Are the storage solos for coment or dry PFA presented from overfilling?	اسما			e-beneral Missis	
Cap311R: Seh 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	-	g - Nasana giri naga			
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	سا				
Cap311R: Sch 17	Are the coment, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	L				
	Loading, unloading or transfer of dusty materials	.	·	4	1	J
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V				
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fligitive dust emission?	V				
	Use of vehicles	· II				
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V.				
Cap311R: Sch 21(I)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		V			
	Transfer of dusty materials using a belt conveyor system		.L		<u> </u>	1
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	1				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	V				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	1				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	V				
	Concrete batching plant			- 		
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	1/				
ENI&A: A2	Are dusty materials, except cement and dry PFA, welted by water spray system?	1				
EM&A A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	1				The state of the s
		1			1	

18e1.	Checklist Condition	NIA	Yes	Nο	Unk	Remarks
1 freque	Miscellaneous					
Cap311R: Sch in	Are completed earthworks scaled and hydroseeded and planted as soon as possible?	V				
Cap3110	Is open huming prohibited?	1	-			The second secon
Cap311	Is black smoke emission from plant/equipment avoided!		1			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	NIA	Yes	No	Unk	Remarks
	Dredged Materials			-		
WNIP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	v				
ivnip Emæa: ej	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	V				
emaa: ej	Are wastes disposed of at licensed sites?	V				
	Construction Waste and Excavated Materials			······································		
WMP EM&A: EJ	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	V				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	~				
WAIP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		1			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?		V			
IVMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	~				
ENIGA: E3	Are wastes disposed of at licensed sites?	2				
	General refuse			,		
WNIP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		~			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		V			
WAIP	is the refuse disposed of regularly and properly?		/			
WMP	Are burning of refuse at site and dumping at sca prohibited?		1/			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)	V				

Ref	Checklist Canditian	NIA	Yes	No	tink	Remarks		
W190	Has the Contractor been registered as a chemical waste producer?	/		1 -		*		
F31&A: F3	Has the Contractor kept all the true tackets for the disposal of chemical waste and made them as adultse for inspection?	V		120				
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste*?	~	-15 (1000)	1		**************************************		
EM&A) E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	V						
	Storage, collection and transportation of waste							
EM&A: E3	Are wastes transported by enclosed containers or covered tracks?	W						
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?							
***************************************	(1) public fill materials for on-site reuse, or disposal at public filling area;	1						
	(2) reusable / recyclable materials;	w						
	(3) un-reusable / non-recyclable waste for landfill disposal.					· · · · · · · · · · · · · · · · · · ·		
em&a: e3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	~						

WATER QUALITY

Ref	Checklist Condition	NA	Yes	No	Unk	Remarks
****	Surface Run-off		·		•	····
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	~				
PN 1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	~				
PN 1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	V				
PN 1/94	Are open stockpiles of construction materials (e.g., aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	~				
PN 1/94	Are manholes (including newly constructed ones) adequately covered and temporarily scaled so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	V	1			
	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	V				

Rel	Checklist Condition	NA	Yes	No	Unk	Remarks
	Boring and Drilling Water	†		 		
PN4794	Is water that used in ground boring and driling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation. It there is a need for final disposal, is the wastewater discharged into storm drains via sitt removal facilities?	~				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?		1			

MARINE ECOLOGY

Ref	Checklist Condition	NA	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	1				and the second second
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	~				and the same of th
EM&A: G3	Is rubble mound serwall constructed to the south and west edges of the reclamation to enhance recotonisation of marine organisms?	V				

NOISE

	g comment of the second	· · · · · · · · · · · · · · · · · · ·	1			1	
Rel	Checklist Condition		N/A	Ye5	No	Unk	Remarks
EM&A: CI	Are working programmes schedu	led to minimize noise nuisance?		~	**************************************		
EM&A: C1	Are construction works or equip- nuisance?	nent sited to minimize noise		~			
EM&A: CI	Are all plant and equipment mair conditions?	named in good operating		~			The second manager and manager
EM&A: CI/GP	is idle equipment turned off or the	rottled down?		~			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		~			The state of the s
EM&A: CI)	Are construction works carried of nuisance?	ut in a manner to minimize noise		V			
EM&A: CZ				1			
EM&A: C3	To mitigate night time constructi equipped with silencers or muffl		V				
NCO	Are valid construction noise pen inspection?	mits, if required, available for		1			N400
NCO	Are conditions of construction n relevant part(s) of the works imp			-			
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand		V	-		
B	14.1	☐ Traffic	Ø	Cons site	tructi	on acti	vities inside the
	Major noise source(s)	Construction activities outside the site		Other	rs		

Abbreviation				
VLP VNU Cap31 (R Cap331) Cap311 PNI/94 Unkc	Varied Environmental Perint Waste Management Plan APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Practice Note for Professional Persons (Con Unknown	NCO: WDO:	EM&A Manical (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Ordinage)	
Remark				
/	vil			
\$				
	WALLE TOO			
		,4		
Signatures			.•	
ET Member	Contractor's Repre	sentative		

(Name in Block letters:

(Name in Block letters:

Larry Way) WENG UINGWAH - PEC

11th November 2002

The Hongkong Electric Co. Ltd. Lamina Power Station Extension - Site Formation, Piling Works and Superstructure Works Weekly Site Inspection Checklist

	inte 17/8/03 Time 10200 Inspecte	utsy	ET: (Jen	1 4	ing Wah
Sitë	LMX - Syncostaniture	Į			· res	<u> </u>
Weather						
Condition	Sunny of fine Overcast Hazy		Drizz	te [Ra	in Storm
Temperatu	re 29°C Humidity / High Modern	e [Low	,		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Rémarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			· 1
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		1		•	<u> </u>
AIR QUAL		F		r -		
	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap311R:		N/A	Yes	No	Unk	Remarks
3	Checklist Condition General Requirements: Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	NA	Yes	No	Unk	Remarks
	General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any	N/A		No	Unk	Remarks
Cap311R:	General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or cleaning dust from any vehicle, equipment, other materials or person. Is this	N/A		No	Unk	Remarks
3 Cap311R: Seb 12(3)	General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or cleaning dust from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever	N/A		No	Unk	Remarks
3 Cap311R: Seb 12(3)	General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	N/A		No	Unk	Remarks
3 Cap311R: Seb 12(3) Cap311 EM&A:	General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection? Construction Sites Are haul roads paved with concrete or sprayed with water to keep	N/A		No	Unk	Remarks

Rel.	Checklist Candition	N/A	Yes	No	Unk	Remarks
***************************************	Coment and dry pulserized fact ash (PFA)				**************************************	N. P. Com. 11
Cap311R: Seli 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	<u> </u>				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?		Processor Processor Contraction Contractio			
Cap311R: Seh 15(2)	is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	1	239 - 10-			
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	1				
	Loading, unloading or transfer of dusty materials	***************************************	*·····	-L	<u> </u>	
Cap3LIR: Seh 19	Are dusty materials, except coment and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	/				
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	1				
	Use of vehicles			· .		
Cap311R: Seh 21(2) EM&A: Al	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	1				-
Cap311R: Seh 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		1			
	Transfer of dusty materials using a belt conveyor system	-1	<u>.L</u>	نبسات	4	
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R: Seh 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R; Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Seh 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1				
"	Concrète batching plant					-
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	1				
EM&A: A2	Are dusty materials, except coment and dry PFA, wetted by water spray system?	1				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	17				
emra:	Are all the conveyor transfer points totally enclosed?	+	+	+	+	1

	Checklist Condition	NA	Yes	No	Unk	Remarks
	Miscellancous					
Amportality Sentin	Are completed earthworks scaled and hydroseeded and planted as soon as possible?	1				
CapVIIO	Is open borning prohibited?	1	1		,	
Cap311	is black smoke emission from plant/equipment avoided?		1			

WASTEJCHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	NA	Yes	No	Unk	Remarks
	Dredged Materials					
emra: ej	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	1				
waip Em r a: Ej	Has the contractor kept a complete set of dumping, records/ticketing system and made them available for inspection?	1				
EMAAIES	Are wastes disposed of at licensed sites?	1				
	Construction Waste and Excavated Materials			· • · · · · · · · · · · · · · · · · · ·		
wmp Emga: Ed	Does the Contractor possess a valid Public Dumping Litense for construction waste and excavated materials and make it available for inspection?	1				
WMP.	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	1				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		1			
WMP	Are the used formworks seused as far as possible before being disposed of in a landfill site?		1			
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1				
ENI&A: EX	Are wastes disposed of at licensed sites?	1				
	General refuse					
WMP	Flas the Contractor maintained a disposal record for general refuse and made it available for inspection?		1			
Wath	is general refuse stored within receptacles and separated from chemical wastes?	1	1			
Wair	is the refuse disposed of regularly and properly?	1	17	+	<u> </u>	1
WAIP	Are burning of refuse at site and dumping at sea prohibited?	上二	1	士		
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal pennits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?					

Ref	Checklist Condition	NA	Yes	No	Unk	Remarks
wbo	Has the Contractor been registered as a chemical waste producer?					
enka: Ej	Has the Contractor kept all the trip tackets for the disposal of chemical waste and made them available for inspection?	1				
em&a: E4	is chemical waste handled according to the Code of Practice on the Packaging. Handling and Storage of Chemical Waste ¹ ?	1		e (piloses	Il de	
em&a: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	1	***			
	Starage, collection and transportation of waste				 	1
em&a: Ej	Are wastes transported by enclosed containers or covered trucks?	1				
EM&A: EJ	Are waste materials segregated and sorted into 3 categories as follows?					
***************************************	(1) public fill materials for on-site reuse, or disposal at public filling area;	1				
	(2) reusable / recyclable materials;	1				
	(3) un-reusable / non-recyclable waste for landfill disposal.		1	1	 	
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly minimained?	1				

WATER QUALITY

Ref	Checklist Condition	NA	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	/				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?					
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	1				
PN1/94	Are open stockpiles of construction materials (e.g. aggregates, sand and fift material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	1				
PNU94	Are manufoles (including newly constructed ones) adequately covered and temporarily scaled so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	j				
	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	1				

Ref	Checklist Condition	NIA	Yes	No	Unk	Řemářks/
The Total Section	Boring and Orilling Water	1			1	
1.81404	Is water that used in ground boring and drifting for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via sitt removal facilities?					
V-1	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?		/			

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: GI	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine manimels?	1				
EM&A: G2	De the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclaimation, Routing of Construction Related Marine Vessels, and lastallation of Silt Curtain"?					emit dair addisharatin, adam xusum xxyye
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to calcanor recolonisation of marine organisms?					

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : CI	Are working programmes school	duted to minimize noise missance?		1			
EM&A: C1	Are construction works or equi nuisance?	punent sited to minimize noise		1			
EM&Az CI	Are all plant and equipment ma conditions?	intained in good operating		/			
EM&A: CI/GP	Is idle equipment turned off or	throttled down?		1			
em&a: Ci	Are methods of working devise nuisance?	d and arranged to minimize noise		1			
ем & л; С1)	Are construction works carried nuisance?	out in a manner to minimize noise		1			
EM&A: C2				1			
EM&A: C3	To mitigate night time construct equipped with silencers or muf	tion noise, is dredging equipment flers?	/				700000000000000000000000000000000000000
NCO	Are valid construction noise per inspection?	rmits, if required, available for		1	<u> </u>	1	
NCD	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?			/			
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand		1			**************************************
Par 6, Lb.	Major noise source(s)	☐ Traffic	卤	Const	ruetic	n setiv	rilles inside the
	Mario, mare rounce(2)	Construction activities		Other	s		

Abbreviation			
\$ 1.P 5 \$10 5 ap311R 6 ap311O 5 ap311: 1551594 Unkt	Varied finctionmental Permit Waste Management Plant APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Practice Note for Professional Persons (Cor Unknown	MOO:	EM&A Manual (Construction Physe) Noise Control Ordinance Waste Disposal Ordinance Ordinance
Remark			
	NI		
10			
Signatures		7	
ET Member	Contractor's Repre	scotalive	
1	P		

11th November 2002

WOULD WINGLAND PYC

The Hongkong Electric Co. Ltd. Lamma Power Station Extension - Site Formation, Piling Works and Superstructure Works

Weekly Site Inspection Cheeklist

insperment		d By	Contr	icio:	A H	TRY
Sne	LMX-Superstructure	1				
Veather					*	
Condition	Sunny Fine Overcast Hazy		Drizz	de [Ra	in Sta
Temperatu	reBo °C Humidity High Moderat	e [Law	,		
Wind	Calm Light Breeze Strong					
ENERAL						
Ref.	Checklist Candition	NA	Yes	No	Unix	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances exits for public information?		~		i	
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?	S 20 "		_		
IR QUAL						
IR QUAL		N/A	Yes	No	Unk	Remarks
IR QUAL	Checklist Condition	NVA	Yes	No	Unk	Remarks
Ref.	TTY	N/A.	Yes	No	Unk	Remarks
Ref. Cap311R: 3 Cap311R:	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any	N/A.		No	Unk	Remarks
Ref. Cap311R: 3 Cap311R: Sen 12(3)	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or cleaning dust from any vehicle, equipment, other materials or person. Is this	N/A	V	No	Unk	Remarks
Ref. Cap311R: 3 Cap311R: Seh 12(3)	Checklist Condition General Requirements His the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever		V	No	Unk	Remarks
Cap311R: 3 Cap311R: Seh 12(3) Cap311	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid. Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?		V	No	Unk	Remarks
	Checklist Condition General Requirements His the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection? Construction Sites Are built rands paved with concrete or sprayed with water to keep		V	No	Unk	Remarks

R¢l.	Checklist Candition	NWA	Yes	No	Unk	Remarks
***************************************	Concent and dry polyerized fuel ash (PFA)			_		
CapM1R: Seb 15(3)	Are the storage siles for coment or dry PFA prevented from averfalling."	/				
Cap311R: Sch 15(4)	Are the handlings of coment or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	~				
Cap311R: Sch 15(2)	Is bulk centent or dry PFA stored in a closed sito fitted with a high-level alarm?	~		*		
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	W				
	Loading, unleading or transfer of dusty materials				7	
Cap311R: Sch 19	Are dusty materials, except coment and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?					
em&a: Ai	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	-				
	Use of vehicles					
Cap311R: Seh 24(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?					
	Transfer of dusty materials using a belt conveyor system					
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of disty materials covered on the top and 2 sides?	1				
Cap311R: Seh 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	~				
Cap311R; Seh 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	-				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping beight within m?	<u></u>				
	Concrete batching plant					
ем&л; Л2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	V				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?					
	Are all the conveyor transfer points totally enclosed?	+	+	-	-	+

Rel	Checklist Condition	NA	Yes	No	Unk	Remarks
	Miscellangous					
Cup311Ri Seicle	Are completed earthworks scaled and hydroscoded and planted as country possible?	/				
Cap3110	is open burning prohibited?		./		1	
Cap311	Is black smoke emission from plant/equipment avoided?					Anna () Programa Santa (Programa)

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Malerials		.,			
wmp Emaa: Ej	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
wnip Em&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	V				
em&a: F3	Are wastes disposed of at licensed sites?	1				
	Construction Waste and Excavated Materials	<u> </u>	L.,			
wmp Emæa: ej	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	1				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	V				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/litting works?		1			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?		1			
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1				
emba: e3	Are wastes disposed of at liegused sites?	1		1		
	General refuse		 			
WAIP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		1			
AVAIP	Is general refuse stored within receptacles and separated from chemical wastes?		V			
WAIP	Is the refuse disposed of regularly and properly?	†	1	1	-	
WNIP	Are burning of refuse at site and dumping at sea prohibited?		1			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1				

Ref	Checklist Candition	NA	Yes	No	Upk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	/	C.dama			
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	V	ar sor revolution—Principles			and the state of t
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste ¹⁷⁷	~				,
ЕМ&Л: E4	is the chemical waste storage, if any, well maintained, kept closed and locked?	~				
	Storage, collection and transportation of waste			<u> </u>	L ,	* ************************************
em&a: Ej	Are wastes transported by enclosed containers or covered trucks?	1				- Adam -
em&a: ej	Are waste materials segregated and sorted into 3 categories as follows?					
	(1) public fill materials for on-site reuse, or disposal at public filling area;	1				
	(2) reusable / recyclable materials;	1				
	(3) un-reusable / non-recyclable waste for landfill disposal.	1		<u>† </u>		
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	V				

WATER QUALITY

Ref	Checklist Condition	NA	Yes	No	Unk	Remarks
	Surface Run-off	-1,0	Tankauri	F - 1.186		
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	1				
PM1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	V				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?					
PN 194	Are open stockpiles of construction materials (e.g., aggregates, sand and fill material) on site covered with tarputhin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?					
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily scaled so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	V	,			
	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	1				

Ref	Checklist Combiling	NIA	Yes	No	Unk	Remarks
1100 0000	Buring and Drilling Water					
PN 1794	is water that used in ground birring and drilling for site investigation or rock soil anchoring recirculated as for as possible after sedimentation. If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	/				
	Wheel Washing Water		ulkynamilaen.			
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?		1		L. L.	

MARINE ECOLOGY

Ref	Checklist Condition	NA	Yes	No	Unk	Remarks
emaa: Gi	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine manufals?	1				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	1				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	~				

SOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A:	Are working programmes schech	iled to minimize noise nuisance?		/	b 410-4400		
EM&A: CI	Are construction works or equip- nuisance?	ment sited to minimize noise		/			- cyntherwide i ha'i th'allinnan
EM&A: CI	Are all plant and equipment man conditions?	ntained in good operating		1			
EM&A: CI/GP	Is idle equipment turned off or th	rottled down?		1			
EM&A: Ci	Are methods of working devised muisance?	and arranged to minimize noise		1			
EM&A: CI)	Are construction works carried of nuisance?	net in a manner to minimize noise		1			S
EM&A: C2				1			
EM&A: C3	To mitigate night time construct equipped with silencers or muffl	ion noise, is dredging equipment ers?	~		,		
NCO	Are valid construction noise per inspection?	nsits, if required, available for		1			
NCO	Are conditions of construction n relevant part(s) of the works imp			1			***************************************
NCO	Are valid noise emission labels I held percussive breakers?	fixed at air compressors and hand		1			* Skinnerina
	Major noise source(s)	☐ Traffic	0	Const site	ructio	n seti	ritles inside the
	and the same of the	Construction activities outside the site		Other	3		

Abbreviation				
VEP: WMP: Cap311R: Cap311O: Cap311: PN1/94: Unk:	Varied Environmental Waste Management Pl APC (Construction Du APC (Open Burning) Air Pollution Control Practice Note for Profit Unknown	an ist) Regulation Regulation	NCO: N WDO: V	M&A Manual (Construction Phase) loise Control Ordinance Vaste Disposal Ordinance Linage)
Remark				· · · · · · · · · · · · · · · · · · ·
	Mil			
				
y				
· · · · · · · · · · · · · · · · · · ·		No.		
<u> </u>				
Signaturés				
ET Member		Contractor's Represen	tative	
				_
1				IEC's Representative This site inspection was carried out

12th January 2005

(Name in Block letters: Wash WALWAN PTC

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The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Site Formation, Piling Works and Superstructure Works

Weekly Site Inspection Checklist

•	ate 3/8/05 Time /0:00. Inspecte	d By	ET: U	Um	Par	y Woh
Site	LMX-Superstructure	£	Cond	actor	fai	<u>u </u>
Weather						
Condition	Sunny Fine Overcast Hazy		Drizz	te [Ra	in Stor
Temperatu	re 📆 °C Humidity 🗹 High 🔲 Moderat	e [Low	,		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	NA	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		!			
VEP 1.6	Is a copy of BIA report kept in Engineers' and Contractors' offices on site?		1			·
AIR OUAL	TY					
AIR QUALI Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	T	NA	Yes	No	Unk	Remarks
	Checklist Condition	NA	Yes	No	Unk	Remarks
Ref. Cap311R:	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any	NA	Yes	Ne	Unk	Remarks
Ref. Cap311R: 3 Cap311R:	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this	N/A	Yes	No	Unk	Remarks
Cap311R: 3 Cap311R: Sch 12(3)	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever	N/A	Yes	No	Unk	Remarks
Cap311R: 3 Cap311R: Sch 12(3)	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	N/A	Yes	No	Unk	Remarks
Ref. Cap311R: 3 Cap311R: Sch 12(3) Cap311	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection? Construction Sites Are haul roads paved with concrete or sprayed with water to keep	N/A	Yes	No	Unk	Remarks

	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)			L	L	I
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	/				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	V				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	V				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	V				
	Loading, unloading or transfer of dusty materials		· · · · · · ·		L	<u> </u>
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V				
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	V				
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	1				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		1			
	Transfer of dusty materials using a belt conveyor system	L		 ,		
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	V				
		ン				
Sch 20(1) Cap311R:	the top and 2 sides? Is every transfer point between any two-belt conveyors totally	ンソン				
Sch 20(1) Cap311R: Sch 20(2) Cap311R:	Is every transfer point between any two-belt conveyors totally enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return	\(\sigma\)				
Sch 20(1) Cap311R: Sch 20(2) Cap311R: Sch 20(3) Cap311R:	the top and 2 sides? Is every transfer point between any two-belt conveyors totally enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting	\(\sigma\)	-			
Sch 20(1) Cap311R: Sch 20(2) Cap311R: Sch 20(3) Cap311R: Sch 20(4)	Is every transfer point between any two-belt conveyors totally enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	\(\sigma\)				
Sch 20(1) Cap311R: Sch 20(2) Cap311R: Sch 20(3) Cap311R: Sch 20(4) EM&A: A2	Is every transfer point between any two-belt conveyors totally enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m? Concrete batching plant Are the loading, unloading, handling, transfer or storage of any	\ \ \ \				
Sch 20(1) Cap311R: Sch 20(2) Cap311R: Sch 20(3) Cap311R:	Is every transfer point between any two-belt conveyors totally enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m? Concrete batching plant Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system? Are dusty materials, except cement and dry PFA, wetted by water	ンソソ				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					
Cap341R; Sch 16	Are completed earthworks scaled and hydroseeded and planted as soon as possible?	/				
Cap311O	Is open burning prohibited?		1	-		
Cap311	Is black smoke emission from plant/equipment avoided?		1			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	V				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	V				
EM&A: E3	Are wastes disposed of at licensed sites?	V				
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	V				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	V				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		~			
VMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?		V			
VMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1				
EM&A: E3	Are wastes disposed of at licensed sites?	V				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		1			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		V			
WMP	Is the refuse disposed of regularly and properly?		1	1		
WMIP	Are burning of refuse at site and dumping at sea prohibited?	Ι	LV	1		1
	Chemical Waste					
ЕМ&Л: ЕЗ	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	V				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks	
WDO	Has the Contractor been registered as a chemical waste producer?	~					
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	~					
EM&л: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	V					
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	V					
	Storage, collection and transportation of waste						
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?	1					
ЕМ&л: ЕЗ	Are waste materials segregated and sorted into 3 categories as follows?						
	(1) public fill materials for on-site reuse, or disposal at public filling area;	V		ļ			
	(2) reusable / recyclable materials;	V					
· · · · · · · · · · · · · · · · · · ·	(3) un-reusable / non-recyclable waste for landfill disposal.	V		-			
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	V				<u> </u>	

WATER QUALITY

Ref	Checklist Condition	NA	Yes	No	Unk	Remarks
· · · · · · · · · · · · · · · · · · ·	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	~				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	V				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	1				
PN1/94	Are open stockpiles of construction materials (e.g., aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	/				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/				
	Groundwater	 	<u> </u>	 	╄—-	
PN 1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	V				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?		~			

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: GI	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	1				•
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	V				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	1				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks	
EM&A: CI	Are working programmes scheduled to minimize noise nuisance?			1				
EM&A: Cl	Are construction works or equipment sited to minimize noise nuisance?			V				
EM&A: Cl	Are all plant and equipment maintained in good operating conditions?			V				
EM&A: CI/GP	Is idle equipment turned off or throttled down?			V				
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?			V				
EM&A: CI)	Are construction works carried out in a manner to minimize noise nuisance?			~				
EM&A: C2	To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods?			v	٠			
EM&A: C3	To mitigate night time construct equipped with silencers or muffl	ion noise, is dredging equipment ers?	V					
NCO	Are valid construction noise permits, if required, available for inspection?			~				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?			~				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		1	V				
		☐ Traffic	Ø	Construction activities inside the site				
	Major noise source(s)	Construction activities	Others					

Abbreviation

VEP:

Varied Environmental Permit

WMP:

Waste Management Plan

EM&A: EM&A Manual (Construction Phase)

Cap311R; Cap311O: APC (Construction Dust) Regulation APC (Open Burning) Regulation

NCO: Noise Control Ordinance

Cap311:

Air Pollution Control Ordinance

WDO: Waste Disposal Ordinance

PN1/94:

Unk:

Practice Note for Professional Persons (Construction Site Drainage) Unknown

Remark			
Nil			
		•	
	·		
	.1		

Signatures

ET Member

Contractor's Representative

(Name in Bloom letters:

11th November 2002

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of Transmission System Weekly Site Inspection Checklist

Inspection d	ate 03/08/05 Time 14:00 Inspect	ed by			ry Ho r: Kier	
Site	Transmission Route (Civil Work)					
Weather				<u></u>		
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	in Stor
Temperatu	re 33 °C Humidity High Moderat	e [Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL				•		
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		✓			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		1		-	
AIR QUALI Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	<u> </u>	<u> </u>	l	<u> </u>	1
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	~				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	~				
	Stockpiling of dusty materials		,	,	,	
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		*			
· · -	Use of vehicles					
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?		1			LPS site
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	1				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?		✓			
Cap311	Is black smoke emission from plant/equipment avoided?		✓			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	Dredged Materials			•					
Сар466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		1						
Cap466	Are wastes disposed of at licensed sites?		*						
.	Construction Waste and Excavated Materials			·		•			
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~							
Cap354	Are wastes disposed of at licensed sited?	1							
	Chemical Waste								
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	~							
Cap354C	Has the Contractor registered as a chemical waste producer?		1						
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	1							

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: MI	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?	*				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	1				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	/				
NCO	Are valid construction noise permits, if required, available for inspection?	<u> </u>	*			N4, N2, I1, LPS Landing Point
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		1			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		1			

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at la monitored to avoid impact on the u species Celtis biondii, Pteris dispa- restricted plants Vitis balansaeana, and Rhapis excellsa?		~				
EM&A: O2	in good condition along the bound prevent tipping, vehicle movement personnel into adjacent wooded are	e fences erected in accordance with the Hoarding Plan and kept good condition along the boundary of construction sites to event tipping, vehicle movements, and encroachment of resonnel into adjacent wooded areas, particularly where the rare, common and restricted plant species are located?					
EM&A: Q3		Has regular checking been performed to ensure that the work site boundaries are not exceeded and that no damage occurs to surrounding areas?					
EM&A: Q4	Is open fire prohibited and prevented within the work site boundary during construction? Is temporary fire fighting equipment provided in the work area during construction?			1			
in and the second		Traffic	Construction activity				ivities inside
	Major noise source(s)	Construction activities outside the site		Oth	ers: [Birds an	id insects

Abbreviation

VEP: Varied Environmental Permit
Cap311R: APC (Construction Dust) Regulation
Cap311O: APC (Open Burning) Regulation
Cap311: Air Pollution Control Ordinance
Cap466: Dumping at Sea Ordinance

NCO: Noise Control Ordinance Cap354: Waste Disposal Ordinance

Cap354c; WDO (Chemical Waste) (General) Regulation

EM&A: EM&A Manual (Construction Phase)

Unk: Unknown

Remark	 <u></u>		
	 ·		

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

20th December 2001

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of Transmission System Weekly Site Inspection Checklist

	Weekly Site Inspection Checkl	ist						
Inspection of	date 10/08/05 Time 14:00 Inspec	ted by	ET:	ET: Hendry Ho				
•			Cont	racto	r: Kier			
Site	Transmission Route (Civil Work)							
Weather	· · · · · · · · · · · · · · · · · · ·							
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	nin Storm		
Temperatu	re 30 °C Humidity High ✓ Modera	ite	Lov	v				
Wind	Calm Light Breeze Strong							
GENERAL								
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks		
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		✓			·		
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		✓					
		•				•		
AIR QUALI	TTY							
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks		

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
*	General Requirements					
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	1				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	~				
	Stockpiling of dusty materials					
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		~			
	Use of vehicles	1		<u> </u>		
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?		~			LPS site
	Miscellaneous		•			
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	Ż				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?		~		·	
Cap311	Is black smoke emission from plant/equipment avoided?		~			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
<u></u>	Dredged Materials	•				
Сар466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		1			
Cap466	Are wastes disposed of at licensed sites?		✓			
	Construction Waste and Excavated Materials					
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~	<u> </u>			
Cap354	Are wastes disposed of at licensed sited?	✓				
	Chemical Waste		-			
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	*				
Cap354C	Has the Contractor registered as a chemical waste producer?		- ✓			
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	~				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: M1	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?	~	_			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	1				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	1				
NCO	Are valid construction noise permits, if required, available for inspection?		~			N4, N2, I1, LPS Landing Point
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		V			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		✓			

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at la monitored to avoid impact on the v species Celtis biondii, Pteris dispa restricted plants Vitis balansaeana, and Rhapis excellsa?		~				
EM&A: O2	Are fences erected in accordance win good condition along the bound prevent tipping, vehicle movement personnel into adjacent wooded are uncommon and restricted plant spe		√				
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and the surrounding areas?	ned to ensure that the work site that no damage occurs to		√			
EM&A: Q4	Is open fire prohibited and prevent boundary during construction? Is to equipment provided in the work are	emporary fire fighting		~			
		Traffic	✓	Con		ion act	ivities inside
	Major noise source(s) Construction activities outside the site		✓	 		irds an	d insects

Abbreviation

VEP: Cap311R: Cap311O: Cap311: Varied Environmental Permit APC (Construction Dust) Regulation APC (Open Burning) Regulation

Cap466:

Air Pollution Control Ordinance Dumping at Sea Ordinance

EM&A: EM&A Manual (Construction Phase)

NCO: Noise Control Ordinance Cap354: Waste Disposal Ordinance

Cap354c: WDO (Chemical Waste) (General) Regulation

Unknown

Remark			
		-	
	<u>-</u>		
			 _
	<u> </u>		

Signatures

ET Member

(Name in Block letters:

Contractor's Representative

(Name in Block letters)

20th December 2001

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of Transmission System Weekly Site Inspection Checklist

Inspection da	te 17/08/05 Time 15:30 Inspec	Inspected by		ET: Hendry Ho Contractor: Kier				
Site	Transmission Route (Civil Work)							
Weather								
Condition	Sunny Fine Overcast Hazy	✓	Driz	zle [Ra	uin St	torm	
Temperatur	e 30 °C Humidity High ✓ Modera	te	Lov	٧				
Wind	Calm Light Breeze Strong							
GENERAL								
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks		
	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public		*					

Is a copy of EIA report kept in Engineers' and Contractors' offices on site?

AIR QUALITY

VEP 1.6

information?

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements					
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	√				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	~				
	Stockpiling of dusty materials					
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		/			
	Use of vehicles	•				
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?		1			LPS site
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	~				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?		✓			
Cap31i	Is black smoke emission from plant/equipment avoided?		✓			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks		
	Dredged Materials							
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		1					
Cap466	Are wastes disposed of at licensed sites?		1					
	Construction Waste and Excavated Materials	.1						
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	1						
Cap354	Are wastes disposed of at licensed sited?	1						
	Chemical Waste							
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	~						
Cap354C	Has the Contractor registered as a chemical waste producer?		1					
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	/						

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: M1	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?	•				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	~				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	/			:	
NCO	Are valid construction noise permits, if required, available for inspection?		1			N4, N2, I1, LPS Landing Point
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		~			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		~			

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at la monitored to avoid impact on the a species Celtis biondii, Pteris dispar restricted plants Vitis balansaeana and Rhapis excellsa?		~				
EM&A: O2	Are fences erected in accordance v in good condition along the bound prevent tipping, vehicle movement personnel into adjacent wooded ar uncommon and restricted plant spe		1				
EM&A: Q3		Has regular checking been performed to ensure that the work site boundaries are not exceeded and that no damage occurs to surrounding areas?					
EM&A: Q4	Is open fire prohibited and prevent boundary during construction? Is t equipment provided in the work ar	emporary fire fighting		~			
		Traffic	·	Con		ion act	ivities inside
	Major noise source(s) Construction activities outside the site			Oth	ers: E	Birds an	d insects

Abbreviation

VEP:

Varied Environmental Permit

Cap311R: Cap3110: APC (Construction Dust) Regulation

APC (Open Burning) Regulation Air Pollution Control Ordinance Dumping at Sea Ordinance

Cap311: Cap466:

EM&A: EM&A Manual (Construction Phase)

NCO: Noise Control Ordinance

Cap354: Waste Disposal Ordinance

Cap354c: WDO (Chemical Waste) (General) Regulation

Unk: Unknown

Remark	
enter a la l	Commission of responsibility of

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of Transmission System Weekly Site Inspection Checklist

Inspection d	ate 24/08/05 Time 11:00 Inspect	ET: Hendry Ho				
Site	Transmission Route (Civil Work)		Cont	racto	r: Kier	
Site	Transdission Rome (Civil Work)	•				
Weather						
Condition	Sunny Fine Overcast Hazy	Γ	Their	ala Î.	∕ Ra	ún Storm
, , , , , , , , , , , , , , , , , , ,		<u> </u>	~	-		Olawin
Temperatu	re 31 °C Humidity High Moderat	ю [Lov	7		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		•			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		1			
AIR QUALT		N/A	Yes	No	Unk	Remarks
Ref.	Checklist Condition	14/14	1 68			
	General Requirements	<u>, </u>		T		·
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	•				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	•				
	Stockpiling of dusty materials					
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	<u> </u>				
	Use of vehicles	J	·		·	<u> </u>
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?		~			LPS site
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	1				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?		✓			
Cap311	Is black smoke emission from plant/equipment avoided?		1			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
•	Dredged Materials								
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		~						
Сар466	Arc wastes disposed of at licensed sites?								
	Construction Waste and Excavated Materials	<u> </u>	<u> </u>						
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~							
Cap354	Are wastes disposed of at licensed sited?	1							
	Chemical Waste								
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1							
Cap354C	Has the Contractor registered as a chemical waste producer?		1	<u> </u>					
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	1							

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: M1	Are subble mound seawalls constructed for the landing and launching points at Lamma Island?	✓.	•			

Checklist Condition	N/A	Yes	No	Unk	Remarks
Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	*				
Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	*				<u> </u>
Are valid construction noise permits, if required, available for inspection?		V .			N4, N2, I1, LPS Landing Point
Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		¥	: .		
Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		•			
	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5? Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? Are valid noise emission labels fixed at air compressors and hand	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5? Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? Are valid noise emission labels fixed at air compressors and hand	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5? Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5? Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5? Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No.	Unk	Remarks
em&a: O1	Are the construction activities at la monitored to avoid impact on the species Celtis biondii, Pteris disparestricted plants Vitis balansaeana, and Rhapis excellsa?	neommen and rare plant r and Ardicia pusilla, and the		,			
EM&A: O2	Are sences erected in accordance win good condition along the bound prevent tipping, vehicle movement personnel into adjacent wooded an uncommon and restricted plant spe		~			· · · · · · · · · · · · · · · · ·	
em&a Q3		Has regular checking been performed to ensure that the work site boundaries are not exceeded and that no damage occurs to surrounding areas?					
EM&A: Q4	Is open fire prohibited and prevent boundary during construction? Is a equipment provided in the work as	emporary fire fighting		·			
		Traffic	1	Con		ion act	ivities inside
	Major noise source(s) Construction activities outside the site			Оф	ers:		

Abbreviation

VEP: Cap311R: Cap311O:

Varied Environmental Permit APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance

Cap311: Cap466:

Dumping at Sea Ordinance

EM&A: EM&A Manual (Construction Phase)

NCO: Noise Control Ordinance Cap354: Waste Disposal Ordinance

Cap354c: WDO (Chemical Waste) (General) Regulation

Unk: Unknown

Remark				
	1	•		
	1		,	
	·			
,				
				:
Signatures			. ,	
ET Member	Contractor's Represen	ntative		

(Name in Block letters:

(Name in Block letters:

20th December 2001

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of Transmission System Weekly Site Inspection Checklist

Inspection	date 31/08/05 Time 15:00 Inspect	ed by			ry Ho	
Site	Transmission Route (Civil Work)		Cont	racto	r: Kier	
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zie [Ra	in Storm
Temperat	ure 30 °C Humidity High Moderat	e	Lov	V		
Wind	Calm Light Breeze Strong					
GENERAL					•	
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		1			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		1			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks		
	General Requirements							
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	*						
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	✓						
	Stockpiling of dusty materials							
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		1		:			
	Use of vehicles							
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?		~			LPS site		
	Miscellaneous							
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	1						

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap311O	Is open burning prohibited?		~			
Cap311	Is black smoke emission from plant/equipment avoided?		>			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	Dredged Materials								
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		1						
Cap466	Are wastes disposed of at licensed sites?		1						
	Construction Waste and Excavated Materials								
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	1							
Cap354	Are wastes disposed of at licensed sited?	1							
	Chemical Waste								
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	~							
Cap354C	Has the Contractor registered as a chemical waste producer?		1						
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	v	-						

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: M1	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?	*				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	v				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	~				
NCO	Are valid construction noise permits, if required, available for inspection?		✓			N4, N2, I1, LPS Landing Point
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		~			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		1			

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at la monitored to avoid impact on the u species Celtis biondii, Pteris dispa restricted plants Vitis balansaeana, and Rhapis excellsa?	ncommon and rare plant r and Ardicia pusilla, and the		√			
EM&A: O2	Are fences erected in accordance win good condition along the bound prevent tipping, vehicle movement personnel into adjacent wooded are uncommon and restricted plant spe		~				
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and the surrounding areas?	ned to ensure that the work site nat no damage occurs to		✓	×		
EM&A: Q4	Is open fire prohibited and prevent boundary during construction? Is t equipment provided in the work ar	emporary fire fighting		1			
		Traffic	· ·	Construction activities insid			ivities inside
	Major noise source(s) Construction activities outside the site		~	Oth	ers: F	Birds	

Abbreviation

VEP:

Varied Environmental Permit

Cap311R:

APC (Construction Dust) Regulation

Cap311O: Cap311: Cap466:

APC (Open Burning) Regulation Air Pollution Control Ordinance Dumping at Sea Ordinance

EM&A: EM&A Manual (Construction Phase) NCO: Noise Control Ordinance

Cap354: Waste Disposal Ordinance

Cap354c: WDO (Chemical Waste) (General) Regulation

Unk: Unknown

Remark	
•	

Signatures

ET Member

Contractor's Representative

Name in Block letters:

(Name in Block letters:

20th December 2001

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection	date 4 August 05 Time 09:30 Inspect	ed By	ET:	W	Sin	
Site	LMX. Mich. Exection Ama		Cont	racto	or: W.	7, Kwok GAPK
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle	R	ain Stor
Temperatu	rre 32 °C Humidity High Modera	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		√			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		✓			
AIR QUALI Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Ref.		N/A	Yes	No	Unk	Remarks
C211D.	General Requirements Has the contractors notified EPD of the construction site which is	,	1	·		ı
Cap311R: 3	classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	/				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		✓			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	✓				
	Construction Sites		•			_
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			Spraying By P.Y.
	Stockpiling of dusty materials					
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	✓				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
- · · · · · · · · · · · · · · · · · · ·	Cement and dry pulverized fuel ash (PFA)		I	1		<u> </u>
Cap311R:	Are the storage silos for cement or dry PFA prevented from	1				ſ
Sch 15(3)	overfilling?	1				
Cap311R:	Are the handlings of cement or dry PFA through a totally enclosed	-				
Sch 15(4)	system equipped with air pollution control equipment at the vent					
	of the system?	/				
C211D-	The III and the II	ļ				· · · · · · · · · · · · · · · · · · ·
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	,				
Den 15(2)						
Cap311R:	Are the cement, dry PFA or other dusty materials collected by the					
Sch 17	air pollution control equipment disposed of in totally enclosed			Ì		
	containers?	 √				
	Loading, unloading or transfer of dusty materials					
Cap311R:	Are dusty materials, except cement and dry PFA, sprayed with	1				
Sch 19	water immediately prior to any loading, unloading or transfer					
	operation?					
]		
EM&A:	Are the dropping heights of the fill materials controlled to a				1	
A1	practical level to minimize fugitive dust emission?			ŀ		
	Use of vehicles	!	. <u></u>	L		
Cap311R:	Is every load of dusty material on the vehicles leaving the	I			· · · · · · · · · · · · · · · · · · ·	
Sch 21(2)	construction site covered entirely by clean impervious sheeting?					
EM&A:	to introduction and control of the c	1				
A1						
Cap311R:	Is every vehicle wheel-washed by the wheel washing facilities to				Y	leaning
Sch 21(1)	remove any dusty materials from its body and wheels before			-]	Provided
	leaving the construction site?		$\sqrt{}$. [Provided
.		1	i	L	!	<u> </u>
	Transfer of dusty materials using a belt conveyor system					``J
Cap311R:	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					•
Sch 20(1)	the top and 2 sides?	/		- 1	Ì	·
Cap311R:	Is every transfer point between any two-belt conveyors totally					
Sch 20(2)	enclosed?	/		- 1		
0 2110						
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates					
3CII 20(3)	or similar means to prevent falling of materials from the return					
	belts?	✓		- 1		
]_		
Cap311R:	Are stockpiling conveyors equipped with level adjusting	/				
Sch 20(4)	mechanism to maintain the dropping height within 1 m?		1			
	Concrete batching plant		l_	. <u></u>	l	
EM&A:	Are the loading, unloading, handling, transfer or storage of any			1	 1	
A2	dusty materials carried out in a totally enclosed system?	,				
		✓				
EM&A:	Are dusty materials, except cement and dry PFA, wetted by water					
A2	spray system?	1			- 1	
EM&A:	Are all the receiving hoppers enclosed on three (3)sides up to 3m				-	
42	above unloading point?			.		
		×				
EM&A:	Are all the conveyor transfer points totally enclosed?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					<u> </u>
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	/				
Cap3110	Is open burning prohibited?		/			
Cap311	Is black smoke emission from plant/equipment avoided?		/		•	

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				•.
EM&A: E3	Are wastes disposed of at licensed sites?	/				
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	1				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	1				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1				
EM&A: E3	Are wastes disposed of at licensed sites?	1				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			
WMP	Is the refuse disposed of regularly and properly?		/			
WMP	Are burning of refuse at site and dumping at sea prohibited?		/			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks				
WDO	Has the Contractor been registered as a chemical waste producer?		1							
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/							
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		/							
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		/							
	Storage, collection and transportation of waste									
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		/							
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?									
	(1) public fill materials for on-site reuse, or disposal at public filling area;	1								
	(2) reusable / recyclable materials;	1								
	(3) un-reusable / non-recyclable waste for landfill disposal.		1							
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		1							

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
<u></u>	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	/				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	1				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	1				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	1				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily scaled so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	1				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm			-		
1111/74	drains after the removal of silt in silt removal facilities?		l			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	\ \(\sqrt{1} \)				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	/				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	/				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	/				

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: Cl	Are working programmes schedu	iled to minimize noise nuisance?		/			
EM&A: Cl	Are construction works or equipmuisance?	ment sited to minimize noise					
EM&A: Cl	Are all plant and equipment main conditions?	ntained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?		1			
EM&A: C1	Are methods of working devised nuisance?			/			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?			V			
EM&A: C2	To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods?			1			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		/				
NCO	Are valid construction noise pern inspection?	nits, if required, available for		1			
NCO	Are conditions of construction no relevant part(s) of the works impl			1			
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand		1			
		☐ Traffic	D7 (Constru site	iction	activit	ies inside the
	Major noise source(s)	Construction activities outside the site		Others			

VEP: Varied Environmental Permit WMP: Waste Management Plan EM&A: EM&A Manual (Construction Phase) Cap311R: Cap311O: Cap311: PN1/94: APC (Construction Dust) Regulation Noise Control Ordinance NCO: Waste Disposal Ordinance APC (Open Burning) Regulation WDO: Air Pollution Control Ordinance Practice Note for Professional Persons (Construction Site Drainage) Unk: Unknown Remark Signatures Contractor's Representative ET Member (Name in Block letters: (Name in Block letters:

Abbreviation

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection	date [1] Aug 2005] Time [4:30] Inspec	ted By	ET:	_W	!. <u>Sī</u>	(HEC)
Site	LMX - Mech. Erection Area		Com		,, . M [.] 1	. Kwok (TOK
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle	R	ain Stor
Temperate	ıre30 °C Humidity√ High Modera	te	Lov	v		
Wind	Calm Light Breeze Strong		•			
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		1			
VEP_1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		✓			
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
		L				
Cap311R:	General Requirements Has the contractors notified EPD of the construction site which is	T	r	1		
3	classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	1				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		1			
Cap311	Do the contractors possess valid Air Pollution Central apecified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	1				
	Construction Sites	<u> </u>	L	L	L	
EM&A:	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		1			P. Y.
	Stockpiling of dusty materials			لــــــا		
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	/				
		ــــــــــــــــــــــــــــــــــــــ		اـــــا		l

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)			·		
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	/				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	~				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	\				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	/				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	1				
	Use of vehicles					•
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		✓			Cleaning Provided By P.Y.
	Transfer of dusty materials using a belt conveyor system				•	7
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	1				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	1				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	✓				
	Concrete batching plant			L		·
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	1				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/				
EM&A: A2	Are all the conveyor transfer points totally enclosed?	1				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks scaled and hydroseeded and planted as soon as possible?	✓				
Cap3110	Is open burning prohibited?		/			
Cap311	Is black smoke emission from plant/equipment avoided?		>			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	· <u>····</u>	<u> </u>		1	
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				·.
EM&A: E3	Are wastes disposed of at licensed sites?	/				
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	/				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	/				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	/				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/				
ЕМ&А: ЕЗ	Are wastes disposed of at licensed sites?	1				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			- <u></u>
WMP	Is the refuse disposed of regularly and properly?		/			
WMP	Are burning of refuse at site and dumping at sea prohibited?		1			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?		/			
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/			
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		/			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		/			
	Storage, collection and transportation of waste					
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		/			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	(1) public fill materials for on-site reuse, or disposal at public filling area;	/				
	(2) reusable / recyclable materials;	/				
	(3) un-reusable / non-recyclable waste for landfill disposal.		/			
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		/			

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off					·
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	/				•.
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent crosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	/				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	/				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	/				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	✓				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	/				
	Wheel Washing Water	l				
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	/				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	/				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	/				

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: Cl	Are working programmes sched	uled to minimize noise nuisance?		/			
EM&A: CI	Are construction works or equip nuisance?	ment sited to minimize noise		1			
EM&A: Cl	Are all plant and equipment mai conditions?	ntained in good operating		/			
EM&A: C1/CP	Is idle equipment turned off or the	hrottled down?		/			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried on nuisance?	out in a manner to minimize noise		1			
EM&A: C2	To mitigate construction noise d holidays, is either one of the foll a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?		✓				
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		/				
NCO	Are valid construction noise perr inspection?	nits, if required, available for		/			;
NCO	Are conditions of construction no relevant part(s) of the works imp				,		
NCO	Are valid noise emission labels f held percussive breakers?	ixed at air compressors and hand		✓			•,
	Major noise source(s)		Constru site Others	ıction	activit	ies inside the	

VEP: Varied Environmental Permit Waste Management Plan APC (Construction Dust) Regulation EM&A: EM&A Manual (Construction Phase) NCO: Noise Control Ordinance WMP: Cap311R: Cap311O: Cap311: PN1/94: APC (Open Burning) Regulation WDO: Waste Disposal Ordinance Air Pollution Control Ordinance Practice Note for Professional Persons (Construction Site Drainage) Unk: Unknown Remark Signatures Contractor's Representative ET Member

Abbreviation

(Mame in Block letters:

W.Ses

(Name in Block letters:

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection	date 19 August 2015 Time 7.50 Inspect	ted By	ET:	h'	Sa	(HI
Site	IMX - Unit 9 Mich. Existin Arc.		Con	racio	or: [[/.	r. Kwek (TD
Veather		<u> </u>				
Condition	Sunny Fine Overcast Hazy		Driz	zle {	✓R	ain Sto
Temperatu	ure 🔀 °C Humidity 📈 High 🔲 Modera	te		N		
Wind	Calm Light Breeze Strong					
GENERAL		*				٠.
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		V			
VEP _. 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		1			
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	1	<u> </u>	l	<u> </u>	
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	1				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	1				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Construction Sites	I	'	·	L	L
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			Spraying By P.Y.
	Stockpiling of dusty materials					()
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	•	L			·
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	/				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	/				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials			L		
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	✓				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/				
	Use of vehicles	L		الا		
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		/		J	Cleaning Provided R. PY.
	Transfer of dusty materials using a belt conveyor system		1			7
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				•,
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
	Concrete batching plant	····	1		L	
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?					
	1	· · · · · ·	,	,		

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	/				
Cap3110	Is open burning prohibited?		✓			
Cap311	Is black smoke emission from plant/equipment avoided?		/			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	·				·
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				٠,
EM&A: E3	Are wastes disposed of at licensed sites?	/				
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	/				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	1				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	/				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/			-	
EM&A: E3	Are wastes disposed of at licensed sites?	1				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			
WMP	Is the refuse disposed of regularly and properly?		/			
WMP	Are burning of refuse at site and dumping at sea prohibited?		/			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?		/			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?		/			
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/			
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		/			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		/			
	Storage, collection and transportation of waste					
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		/			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	(1) public fill materials for on-site reuse, or disposal at public filling area;	/				
	(2) reusable / recyclable materials;	/				
	(3) un-reusable / non-recyclable waste for landfill disposal.		/	_		
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		/			

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off	*	·			<u> </u>
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	/				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent crosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	/				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	1				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	1				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm	 			-	
	drains after the removal of silt in silt removal facilities?	\	ļ			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?					
·	Wheel Washing Water				<u> </u>	
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	/				

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	/				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	1				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	/				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedu	led to minimize noise nuisance?		/			
EM&A: Cl	Are construction works or equipm nuisance?	nent sited to minimize noise		/			
EM&A: C1	Are all plant and equipment main conditions?	tained in good operating		/	.		
EM&A: C1/GP	Is idle equipment turned off or the	rottled down?		/			
EM&A: CI	Are methods of working devised nuisance?	and arranged to minimize noise		1			
EM&A: C1)	Are construction works carried or nuisance?	ut in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise du holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	wing measures adopted?					
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		1				
NCO	Are valid construction noise perm inspection?	nits, if required, available for	1				
NCO	Are conditions of construction no relevant part(s) of the works impl	oise permits, if any, for the lemented accordingly?	1				
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand	,	1			٠,
	Main min council	☐ Traffic	Q (Constr site	uction	activi	ties inside the
	Major noise source(s)	☐ Construction activities outside the site	0 (

Abbreviation VEP: Varied Environmental Permit EM&A: EM&A Manual (Construction Phase) WMP: Waste Management Plan APC (Construction Dust) Regulation Noise Control Ordinance Cap311R: NCO: Cap3110: APC (Open Burning) Regulation WDO: Waste Disposal Ordinance Cap311: PN1/94: Air Pollution Control Ordinance Practice Note for Professional Persons (Construction Site Drainage) Unk: Unknown Remark Signatures Contractor's Representative ET Member

(Name in Block letters:

(Name in Block letters:

The Hongkong Electric Co. Ltd. Lamma Power Station Extension - E&M Works Weekly Site Inspection Checklist

Inspection	date 24/8/2005 Time 1030 Inspect	ed By	ET:	- ;	In a	in (HEL) an Chan (T
Site	LMX - Mech. Freeting Area		Cont	racto)r: / /1	an Chan (7)
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [R	nin Storm
Temperatu	re 30 °C Humidity High Moderat	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?					
AIR QUALI Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements					
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?					
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		1			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?		(
	Construction Sites	J	l	I		
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					Spry by P.Y.
	Stockpiling of dusty materials	•				
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	/				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)			·	L	
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	/				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	\ \				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?					
	Loading, unloading or transfer of dusty materials			•		
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?					
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?					
	Use of vehicles	·		II		
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		/		, 1000-km2	Clean of provided by
	Transfer of dusty materials using a belt conveyor system					
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?			,		
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	✓				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?					•.
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?					
	Concrete batching plant	1 1				1
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
	Are dusty materials, except cement and dry PFA, wetted by water					
EM&A: A2	spray system?	-		, ,		
	spray system? Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous			•		
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	/				
Сар3110	Is open burning prohibited?					
Сар311	Is black smoke emission from plant/equipment avoided?					

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?		/			
EM&A: E3	Are wastes disposed of at licensed sites?	1				
	Construction Waste and Excavated Materials			A	·	
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?					
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?					
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	1				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/				
EM&A: E3	Are wastes disposed of at licensed sites?					
	General refuse	1		1		
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			A STATE OF THE STA
WMP	Is general refuse stored within receptacles and separated from chemical wastes?					
WMP	Is the refuse disposed of regularly and properly?		/			
WMP	Are burning of refuse at site and dumping at sea prohibited?					
	Chemical Waste		_			
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks				
WDO	Has the Contractor been registered as a chemical waste producer?		/							
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/							
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		1							
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		/							
	Storage, collection and transportation of waste									
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?									
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?									
	(1) public fill materials for on-site reuse, or disposal at public filling area;	1				, , , , , , , , , , , , , , , , , , ,				
	(2) reusable / recyclable materials;									
	(3) un-reusable / non-recyclable waste for landfill disposal.									
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?									

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
•	Surface Run-off			<u> </u>	1	
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?					
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?					
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	1				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	/	•			
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?					
	Groundwater		<u></u>			
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water	1				
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	/				
	Weel Washing Water	1	/			
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?					

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	1	,			•
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?		/			
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?					

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes schedu	aled to minimize noise nuisance?		√			
EM&A: C1	Are construction works or equipinuisance?	ment sited to minimize noise					
EM&A: C1	Are all plant and equipment main conditions?	ntained in good operating					
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?			,		
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried o nuisance?	ut in a manner to minimize noise			,		
EM&A: C2	To mitigate construction noise du holidays, is either one of the folka) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	owing measures adopted?					
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		/				,
NCO	Are valid construction noise perm inspection?	nits, if required, available for		1			
NCO	Are conditions of construction no relevant part(s) of the works imple						
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand					
	Malamala(2)	☐ Traffic	1	Constru site	ıction	activit	ies inside the
	Major noise source(s)	☐ Construction activities outside the site		Others			

Abbreviation VEP: Varied Environmental Permit WMP: Waste Management Plan EM&A: EM&A Manual (Construction Phase) APC (Construction Dust) Regulation APC (Open Burning) Regulation Noise Control Ordinance Cap311R: NCO: WDO: Waste Disposal Ordinance Cap3110: Air Pollution Control Ordinance Cap311: Practice Note for Professional Persons (Construction Site Drainage) PN1/94: Unk: Unknown Remark Signatures ET Member Contractor's Representative IEC's Representative This site inspection w in the pres (Name in Block letters: (Name in Block letters: Name in B

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection of	late 3 August 2005 Time 10.05 hrs Inspect	ed By	ET:		CHI	/ PDE
Site	LMX-L9 Electrical Frection Area		Cont	racto	r: <i> E[</i> [<u>GRCHGNG/SIAN</u> KD.
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	nin Storm
Temperatu	re 30 °C Humidity V High Moderat	te	Low	/		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		V			4.1
AIR QUALI	TY Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements					
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	/				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		√			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
	Construction Sites	•				
EM&A: Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			Noter Sprajing Provided By Paul Y
	Stockpiling of dusty materials					
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	V			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	V				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	V				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	V				
	Loading, unloading or transfer of dusty materials	•			•	•
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	✓				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/				
	Use of vehicles	•	•		•	
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	1				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		/			Wheel Washing Provided by
	Transfer of dusty materials using a belt conveyor system	,			•	
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	1				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	V				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	s				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	V				
***************************************	Concrete batching plant	•		•		
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	V				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	<i>J</i>				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	✓ ·				
EM&A:	Are all the conveyor transfer points totally enclosed?	V		 	 	

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					•
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	✓				
Cap311O	Is open burning prohibited?		1			
Cap311	Is black smoke emission from plant/equipment avoided?		/			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	v				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	V				
EM&A: E3	Are wastes disposed of at licensed sites?	V				
	Construction Waste and Excavated Materials	•			•	•
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	V				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	V				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	1				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	1				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1				
EM&A: E3	Are wastes disposed of at licensed sites?	/				
	General refuse			-		l
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		v			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		v			
WMP	Is the refuse disposed of regularly and properly?		V			
WMP	Are burning of refuse at site and dumping at sea prohibited?		1			-
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	J.				
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	_				
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	V	-			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	V				
	Storage, collection and transportation of waste		•			
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		V		****	
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	1			-	
	(1) public fill materials for on-site reuse, or disposal at public filling area;					
	(2) reusable / recyclable materials;					
	(3) un-reusable / non-recyclable waste for landfill disposal.					
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	/				

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off	•				
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	V				,
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	V				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	V			The state of the s	
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	~	-			
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	V				
	Groundwater	<u> </u>			<u> </u>	
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	u/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	V				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	/				

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	~				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	√				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	V				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedu	led to minimize noise nuisance?		V			
EM&A: C1	Are construction works or equipmousance?	uipment sited to minimize noise		V			
EM&A: C1	Are all plant and equipment main conditions?	plant and equipment maintained in good operating ons?		U			
EM&A: C1/GP	Is idle equipment turned off or th		1				
EM&A: C1	Are methods of working devised nuisance?		J				
EM&A: C1)	Are construction works carried or nuisance?		1			•	
EM&A: C2	To mitigate construction noise du holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some powe sensitive time periods?		V				
EM&A: C3	To mitigate night time construction equipped with silencers or muffle			J			
NCO	Are valid construction noise pern inspection?	nits, if required, available for	V				
NCO	Are conditions of construction no relevant part(s) of the works impl		J				
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand		,			
		☐ Traffic	Image: square of the content of the c	Const.	ructio	n activ	ities inside the
	Major noise source(s) Construction activities Others outside the site						

Abbreviation

VEP:

Varied Environmental Permit

WMP:

Waste Management Plan

Cap311R:

APC (Construction Dust) Regulation

Cap3110:

APC (Open Burning) Regulation

Cap311: PN1/94: Air Pollution Control Ordinance
Practice Note for Professional Persons (Construction Site Drainage)

Unk: Unknown

Remark		
,		
Signatures	 	

EM&A: EM&A Manual (Construction Phase)

Noise Control Ordinance

Waste Disposal Ordinance

NCO:

WDO:

Chila

ET Member

CHILL TO I FU)

PDE

(Name in Block letters:

Contractor's Representative

PETER CHENG)

SANKO.

12th January 2005

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection	17.500	ed By	ET:		E CHU		
Site	LMX-19 Electrical Erection Area.		Cont	lacio	1. <i>P€ [</i>	ER CHENG/	SANK
Weather							-
Condition	Sunny V Fine Overcast Hazy		Driza	zle [R	ain Stor	m
Temperatu	re 28°C Humidity High Modera	te	Low	,			
Wind	Calm Light Breeze Strong						
GENERAL							
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		V				
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		V				1
AIR QUALI Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks]
	General Requirements						_
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	√					-
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/				-
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/					
	Construction Sites		· · · · · · · · ·		L	· · · · · · · · · · · · · · · · · · ·	
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		✓			Provided By	Paul
	Stockpiling of dusty materials						
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	/					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	V			,	
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	√				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	1				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	V				
	Loading, unloading or transfer of dusty materials	ı				
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	1				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/				
	Use of vehicles	•				
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		/			Wheel Washi Provided B
	Transfer of dusty materials using a belt conveyor system		I	JJ		s
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	V				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	v				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1				
	Concrete batching plant		•			
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	V				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	V				
PREG 4	Are all the receiving hoppers enclosed on three (3)sides up to 3m					
EM&A: A2	above unloading point?	✓				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	V				
Cap311O	Is open burning prohibited?		V			
Cap311	Is black smoke emission from plant/equipment avoided?					

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	V				
EM&A: E3	Are wastes disposed of at licensed sites?	/				
•	Construction Waste and Excavated Materials	•				
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	/	ANTONIO POR PORTO PO			
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	/				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	V				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	v				
EM&A: E3	Are wastes disposed of at licensed sites?	/			•	
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		V			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		1			
WMP	Is the refuse disposed of regularly and properly?		1		**	
WMP	Are burning of refuse at site and dumping at sea prohibited?		1			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	,v			11012700	
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?					-
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	1				
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	/				
	Storage, collection and transportation of waste					
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		/			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	1				
	(1) public fill materials for on-site reuse, or disposal at public filling area;				**************************************	
	(2) reusable / recyclable materials;					
·····	(3) un-reusable / non-recyclable waste for landfill disposal.					
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	/				

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	V				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	1				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	/				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	1				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/				
DNI1/04	Groundwater	 				
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	V				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	1				

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	V				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	·				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	1				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedu	lled to minimize noise nuisance?		V			
EM&A: C1	Are construction works or equiparties nuisance?	onstruction works or equipment sited to minimize noise nce?		ſ			
EM&A: C1	Are all plant and equipment mair conditions?	ntained in good operating		1			
EM&A: C1/GP	Is idle equipment turned off or th	s idle equipment turned off or throttled down?					
EM&A: C1	Are methods of working devised nuisance?		/				
EM&A: C1)	Are construction works carried o nuisance?		1		, , , , , , , , , , , , , , , , , , , ,		
EM&A: C2	To mitigate construction noise du holidays, is either one of the folloa) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?		V				
EM&A: C3	To mitigate night time constructi- equipped with silencers or muffle		V				
NCO	Are valid construction noise perminspection?	nits, if required, available for	V				
NCO	Are conditions of construction no relevant part(s) of the works imp		V				
NCO	Are valid noise emission labels fi held percussive breakers?	1	,				
		☐ Traffic	四				
	Major noise source(s)	Construction activities	site Others				

Abbreviation

VEP:

Varied Environmental Permit

WMP:

Waste Management Plan

EM&A: EM&A Manual (Construction Phase)

Cap311R: Cap3110: APC (Construction Dust) Regulation APC (Open Burning) Regulation

NCO: Noise Control Ordinance Waste Disposal Ordinance WDQ:

Cap311:

Air Pollution Control Ordinance

PN1/94:

Practice Note for Professional Persons (Construction Site Drainage)

Unk:

,		
Remark		
Annual Walking Co.		
	 	·····
· · · · · · · · · · · · · · · · · · ·		
Signatures		

ET Member

CHINTOI FU)
PDE

Contractor's Representative

12th January 2005

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection of	late 14 Augus 72hos Time 09:25 hrs Inspect	ed By	ET:	7.	7, CH1	N/PPE 1ER CHGGYSKT
Site	LMX-19 Electrical Erection Area.		Con	iacto	1. <u>PE</u>	IER UBIGJ SIN
Weather						
Condition	Sunny Fine Overcast Hazy	V	Driz	zle [Ra	ain Stor
Temperatu	re → Humidity High Modera	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		V			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
AIR QUALI Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements		<u> </u>			<u> </u>
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	V				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		. 🗸			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
	Construction Sites		1	J	1	
EM&A: Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		√			Nater Spray Provided By
	Stockpiling of dusty materials					
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to	,/				

maintain the entire surface wet to prevent dust emission?

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	•			******************	
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	V				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	V				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?					
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	1				
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V				
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	V				
	Use of vehicles			1		1
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		/			Wheel Wash Provided B
	Transfer of dusty materials using a belt conveyor system					
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	V				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	V				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	J				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
	Concrete batching plant					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	J				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	~				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	V				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous			·		
Cap311R: Sch 16	Are completed earthworks scaled and hydroseeded and planted as soon as possible?	V				
Cap311O	Is open burning prohibited?		1			
Cap311	Is black smoke emission from plant/equipment avoided?	100	V			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks				
	Dredged Materials		·							
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	1								
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	V								
EM&A: E3	Are wastes disposed of at licensed sites?	/								
	Construction Waste and Excavated Materials									
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	U								
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	1								
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	1								
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	V								
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1				•				
EM&A: E3	Are wastes disposed of at licensed sites?	1								
	General refuse									
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		s							
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		1							
WMP	Is the refuse disposed of regularly and properly?		V							
WMP	Are burning of refuse at site and dumping at sea prohibited?		_/							
	Chemical Waste									
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1								

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks		
WDO	Has the Contractor been registered as a chemical waste producer?	v						
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	1						
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	~				*		
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	1			•			
	Storage, collection and transportation of waste							
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		V			**************************************		
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	1						
	(1) public fill materials for on-site reuse, or disposal at public filling area;							
	(2) reusable / recyclable materials;							
	(3) un-reusable / non-recyclable waste for landfill disposal.							
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	1						

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	1				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	/				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	V				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	1				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	1				
DN1/04	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	\				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	~				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	/				

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: GI	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	1				· · · · · · · · · · · · · · · · · · ·
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	V				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	1				

NOISE

		N/A	Yes	No	Unk	Remarks		
Are working programmes schedu	led to minimize noise nuisance?		v					
Are construction works or equipmuisance?	nent sited to minimize noise		<					
Are all plant and equipment main conditions?	tained in good operating		V					
Is idle equipment turned off or the	rottled down?		V			· · · · · · · · · · · · · · · · · · ·		
Are methods of working devised nuisance?	and arranged to minimize noise		V					
Are construction works carried or nuisance?	isance?							
holidays, is either one of the folio a) Mitigation by portable noise	wing measures adopted? barriers at noise sources or		V					
		1						
Are valid construction noise perminspection?	nits, if required, available for	~						
		V						
Are valid noise emission labels fixed at air compressors and hand held percussive breakers?								
	Traffic	অ		uctio	activi	ities inside the		
Major noise source(s)	☐ Construction activities		Others					
	Are construction works or equipment main conditions? Is idle equipment turned off or the Are methods of working devised nuisance? Are construction works carried or nuisance? To mitigate construction noise du holidays, is either one of the follor a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods? To mitigate night time construction equipped with silencers or muffle Are valid construction noise perminspection? Are conditions of construction no relevant part(s) of the works implementation of	Are construction works or equipment sited to minimize noise nuisance? Are all plant and equipment maintained in good operating conditions? Is idle equipment turned off or throttled down? Are methods of working devised and arranged to minimize noise nuisance? Are construction works carried out in a manner to minimize noise nuisance? To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	Are construction works or equipment sited to minimize noise nuisance? Are all plant and equipment maintained in good operating conditions? Is idle equipment turned off or throttled down? Are methods of working devised and arranged to minimize noise nuisance? Are construction works carried out in a manner to minimize noise nuisance? To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? Are valid noise emission labels fixed at air compressors and hand held percussive breakers? Traffic	Are construction works or equipment sited to minimize noise nuisance? Are all plant and equipment maintained in good operating conditions? Is idle equipment turned off or throttled down? Are methods of working devised and arranged to minimize noise nuisance? Are construction works carried out in a manner to minimize noise nuisance? To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	Are construction works or equipment sited to minimize noise nuisance? Are all plant and equipment maintained in good operating conditions? Is idle equipment turned off or throttled down? Are methods of working devised and arranged to minimize noise nuisance? Are construction works carried out in a manner to minimize noise nuisance? To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? Are valid noise emission labels fixed at air compressors and hand held percussive breakers? Traffic Construction site Construction site	Are construction works or equipment sited to minimize noise nuisance? Are all plant and equipment maintained in good operating conditions? Is idle equipment turned off or throttled down? Are methods of working devised and arranged to minimize noise nuisance? Are construction works carried out in a manner to minimize noise nuisance? To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers? Are valid construction noise permits, if required, available for inspection? Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? Are valid noise emission labels fixed at air compressors and hand held percussive breakers? Traffic Construction activities Others		

Abbreviation

VEP: WMP: Cap311R: Cap311O: Cap311: PN1/94: Unk:	Varied Environmental Waste Management Pla APC (Construction Du APC (Open Burning) F Air Pollution Control C Practice Note for Profe Unknown	an st) Regulation Regulation	NCO: WDO:	EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Orainage)
Remark				
	e America de la constante de l			
				- H
Signatures				
ET Member		Contractor's Representat	ive	
	<u>`</u>	D+a		

12th January 2005

CHILL TO 1 FU

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The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection	date 24 AuG 2005 Time 10:45 bcs Inspect	ed By	ET:		F. CHI	<u> </u>
Site	LMX - 19 Electrical Freeton Frea		Cont	racto	e C.	4. Lo: /s
Weather		·				
Condition	Sunny Fine Overcast Hazy	U	Driz	zle [R	ain Storr
Temperati	ıre ☐ C Humidity V High	te	Lov	V		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		V			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?					
AIR QUAL	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements					
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	1				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		~			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	1				
	Construction Sites	<u> </u>		<u> </u>		
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			Water Spray
	Stockpiling of dusty materials				·	0
Cap311R:	Are stockpiles of dusty materials entirely covered with impervious					

sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?

Sch 18

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	V				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	V				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	v				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	1				
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		/			Wheel Wash Provided B
	Transfer of dusty materials using a belt conveyor system	1	<u> </u>	J		
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	V				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	V				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	v				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	V				
J	Concrete batching plant	l	J			<u> </u>
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	1				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	V				
EM&A:	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?					
A2	above unloading point:	1 ,				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	/				
Cap311O	Is open burning prohibited?		~		•	
Cap311	Is black smoke emission from plant/equipment avoided?		/			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks		
-	Dredged Materials	,	•					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	1						
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	1						
EM&A: E3	Are wastes disposed of at licensed sites?	1						
	Construction Waste and Excavated Materials							
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	1						
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	1						
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	V						
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	1				1.100		
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1			:			
EM&A: E3	Are wastes disposed of at licensed sites?	1						
	General refuse							
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		1					
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		V					
WMP	Is the refuse disposed of regularly and properly?		1					
WMP	Are burning of refuse at site and dumping at sea prohibited?		_/					
	Chemical Waste							
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?							

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	V				
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	S				
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	V				
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	/				
	Storage, collection and transportation of waste	1				
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		V			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	~				***
	(1) public fill materials for on-site reuse, or disposal at public filling area;					
	(2) reusable / recyclable materials;					
***************************************	(3) un-reusable / non-recyclable waste for landfill disposal.					<u>.</u> .
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	/				

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
•	Surface Run-off	•				
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	V				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	1				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	1				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	1				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	V				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	V				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	1				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	V				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	/				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks	
EM&A: C1	Are working programmes schedu	led to minimize noise nuisance?		~				
EM&A: C1	Are construction works or equipm nuisance?	nent sited to minimize noise		v			·	
EM&A: C1	Are all plant and equipment main conditions?	tained in good operating		1				
EM&A: C1/GP	Is idle equipment turned off or the	rottled down?		1				
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		v				
EM&A: C1)	Are construction works carried or nuisance?	it in a manner to minimize noise		✓				
EM&A: C2	To mitigate construction noise du holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	wing measures adopted?		S				
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		v				"	
NCO	Are valid construction noise perm inspection?	nits, if required, available for	1					
NCO	Are conditions of construction no relevant part(s) of the works impl		/					
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand	V	V				
		☐ Traffic	Ø	Construction activities inside the				
	Major noise source(s)	Construction activities outside the site		Other	s			

Abbreviation		
VEP: WMP: Cap311R: Cap311O: Cap311: PN1/94: Unk:	Varied Environmental Permit Waste Management Plan APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Practice Note for Professional Persons (Construction)	EM&A: EM&A Manual (Construction Phase) NCO: Noise Control Ordinance WDO: Waste Disposal Ordinance struction Site Drainage)
Remark		
·		
Signatures		
ET Member	Contractor's Represo	This site inspection was carried out in the presence of IEC's representative
	Λ	1. 1

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CHIN 701 FU)

12th January 2005

(Name in Block letters:

LO CANG MAN) SANKO

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection	date 31 ANGUST 2005 Time 09: 25 hrs. Inspect	ted By	ET:		E Chiu	
Site	LMX- 49 Electrical Freetien Area.		Cont	racto	r: <i>fefet</i>	<u> CONTAGY SPONK</u>
Veather				· · · · · ·		
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	ain Stor
Temperatu	reDT°C Humidity High Modera	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		V			A PAGE 18
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		1			
AIR QUAL! Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
<u> </u>	General Requirements	<u> </u>	<u> </u>	<u> </u>		<u> </u>
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	V				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		V			
Сар311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
	Construction Sites		!	<u> </u>		<u> </u>
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/	/		Water Spr.
	Stockpiling of dusty materials	· 				0
Cap311R:	Are stockpiles of dusty materials entirely covered with impervious					

sheets or sheltered on the top and 3 sides or sprayed with water to

maintain the entire surface wet to prevent dust emission?

Sch 18

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	•	•			
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	1				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	1				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	1				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	1				
	Loading, unloading or transfer of dusty materials	•				·····
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	1				
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		J			Wheel Was. Provaded Ry
	Transfer of dusty materials using a belt conveyor system					- <i>O</i>
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	v				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	V				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1				
	Concrete batching plant	<u> </u>				
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	v			:	
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	V				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	V				
EM&A:	Are all the conveyor transfer points totally enclosed?	- V				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous				·	
Cap311R: Sch 16	Are completed earthworks scaled and hydroseeded and planted as soon as possible?	1				
Cap311O	Is open burning prohibited?					
Cap311	Is black smoke emission from plant/equipment avoided?		1			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	V				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	<i>y</i>				
EM&A: E3	Are wastes disposed of at licensed sites?	1				
	Construction Waste and Excavated Materials	***				***
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	0				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	J				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	V				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	J				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	J				
EM&A: E3	Are wastes disposed of at licensed sites?	1				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		v			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		V			
WMP	Is the refuse disposed of regularly and properly?		V			***************************************
WMP	Are burning of refuse at site and dumping at sea prohibited?		V			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	V				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	\ \strace{1}{\sqrt{1}}				-
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	V				
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	/				
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	V				
	Storage, collection and transportation of waste		I			
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		7			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					***
	(1) public fill materials for on-site reuse, or disposal at public filling area;					****
	(2) reusable / recyclable materials;					1-74
	(3) un-reusable / non-recyclable waste for landfill disposal.					
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?					

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
-· ·	Surface Run-off				•	
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	1				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	J				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	~				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	✓				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	S				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	V	*			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water	 				
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	У				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	V				•

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	~				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	V				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	/				·

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedu	led to minimize noise nuisance?		4			
EM&A: C1	Are construction works or equipr nuisance?	nent sited to minimize noise		м			
EM&A: C1	Are all plant and equipment main conditions?	stained in good operating		V	•		
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?		V			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		1			
EM&A: C1)	Are construction works carried or nuisance?	ut in a manner to minimize noise		1			
EM&A: C2	To mitigate construction noise du holidays, is either one of the folic a) Mitigation by portable noise b) Rescheduling of some powe sensitive time periods?	wing measures adopted?		J			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		1			***************************************	
NCO	Are valid construction noise perminspection?	nits, if required, available for	1				
NCO	Are conditions of construction no relevant part(s) of the works impl		1				
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand	1				
		☐ Traffic	न	Constr	uction	ı activi	ities inside the
	Major noise source(s)	Construction activities					

Abbreviation

VEP:

Varied Environmental Permit

WMP: Waste Management Plan Cap311R: APC (Construction Dust) Regulation EM&A: EM&A Manual (Construction Phase) Noise Control Ordinance NCO: Waste Disposal Ordinance WDO:

Cap3110:

APC (Open Burning) Regulation

Cap311: Air Pollution Control Ordinance

PN1/94: Practice Note for Professional Persons (Construction Site Drainage)

Unk: Unknown

Remark	

Signatures

ET Member

Contractor's Representative

CHILL TOI FU POE-

12th January 2005

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of Transmission System Weekly Site Inspection Checklist

Inspection d	late 19/08/05 Time 1/100 Inspect	ted by	ET:		Yun	
Site	Outside Landing Point I/ & NS		Cont	racto	r: ∫-p	OWER SY
Veather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	ain Sto
Temperatu	re 27°C Humidity V High Moderat	te	Lov	v		
Wind	Calm Light Breeze Strong					
ENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			L
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	I	L		<u> </u>	L
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	1				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	/				
	Stockpiling of dusty materials					
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	/				
	Use of vehicles	.1				1
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?					
***************************************	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	/				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?	1				
Cap311	Is black smoke emission from plant/equipment avoided?	/				

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					****
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		/			
Cap466	Are wastes disposed of at licensed sites?		/			
-	Construction Waste and Excavated Materials					
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	1				
Cap354	Are wastes disposed of at licensed sited?	/				
	Chemical Waste					
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1	:		į	
Cap354C	Has the Contractor registered as a chemical waste producer?	1				
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: M1	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?	/				

		т.

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	1				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	/				
NCO	Are valid construction noise permits, if required, available for inspection?	1				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	/				-
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	/				

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species Celtis biondii, Pteris dispar and Ardicia pusilla, and the restricted plants Vitis balansaeana, Pterospermum heterophyllum and Rhapis excellsa?						
EM&A: O2	in good condition along the bour prevent tipping, vehicle moveme personnel into adjacent wooded	Are fences erected in accordance with the Hoarding Plan and kept in good condition along the boundary of construction sites to prevent tipping, vehicle movements, and encroachment of personnel into adjacent wooded areas, particularly where the rare, uncommon and restricted plant species are located?					
EM&A: Q3	Has regular checking been perfor boundaries are not exceeded and surrounding areas?	rmed to ensure that the work site that no damage occurs to	1				-
EM&A: Q4	Is open fire prohibited and preve boundary during construction? Is equipment provided in the work	s temporary fire fighting	/				
				,			
	Main mains source(s)	☐ Traffic		Const	ructio	n activ	ities inside the
	Major noise source(s)	Construction activities outside the site					

Abbreviation VEP: Varied Environmental Permit EM&A: EM&A Manual (Construction Phase) APC (Construction Dust) Regulation Cap311R: NCO: Noise Control Ordinance Cap311O: APC (Open Burning) Regulation Cap354: Waste Disposal Ordinance Cap311: Cap466: Air Pollution Control Ordinance Cap354c: WDO (Chemical Waste) (General) Regulation Dumping at Sea Ordinance Unk: Unknown Remark Signatures ET Member Contractor's Representative

(Name in Block letters:

(Name in Block letters:

D. YUNG

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of Transmission System Weekly Site Inspection Checklist

	J I					
Inspection of	late $5/8/06$ Time $12:00$ Inspec	ted by	ET:	<u> </u>	< 1 U	an CT POWER 81
Site	Outside Landy Pout II		Com	iacio	1. "J ~	-purp sp
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	ain Storn
Temperatu	re 31°C Humidity High Modera	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL			-		-	
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		·/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
				_		
AIR QUAL	ITY					
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements					
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?					
Cap311R:	A compressed air jet shall not be used for cleaning or clearing dust	 	-	†		

Sch 12(3) from any vehicle, equipment, other materials or person. Has this been observed? Stockpiling of dusty materials Are stockpiles of dusty materials entirely covered with impervious Cap311R: Sch 18 sheets or sheltered on the top and 3 sides or sprayed with water to EM&A:J1 maintain the entire surface wet to prevent dust emission? Use of vehicles Cap311R: Is every load of dusty material on the vehicles leaving the Sch 21(2) construction site covered entirely by clean impervious sheeting? Miscellaneous Cap311R: Are completed earthworks sealed and hydroseeded and planted as Sch 16 soon as possible?

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?	1/				
Cap311	Is black smoke emission from plant/equipment avoided?	U'				

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	<u> </u>				
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		V			
Cap466	Are wastes disposed of at licensed sites?		U'			
	Construction Waste and Excavated Materials	1				
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	V				
Cap354	Are wastes disposed of at licensed sited?					
-	Chemical Waste					
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	V				
Cap354C	Has the Contractor registered as a chemical waste producer?	V				
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: M1	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?	V				

N	റ	ľ	S	E

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	V				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	/				
NCO	Are valid construction noise permits, if required, available for inspection?	1				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	\ <u>\</u>				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	1				

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	monitored to avoid impact on the species Celtis biondii, Pteris disp		V				
EM&A: O2	Are fences erected in accordance in good condition along the bour prevent tipping, vehicle moveme personnel into adjacent wooded uncommon and restricted plant s	V					
EM&A: Q3	Has regular checking been perfo boundaries are not exceeded and surrounding areas?	rmed to ensure that the work site that no damage occurs to					
EM&A: Q4	Is open fire prohibited and preve boundary during construction? Is equipment provided in the work	temporary fire fighting					
		☐ Traffic	<u>U</u>		ructio	n activ	ities inside the
	Major noise source(s)	Construction activities		site Other	s		

Abbreviation VEP: Varied Environmental Permit EM&A: EM&A Manual (Construction Phase) Cap311R: Cap311O: Cap311: APC (Construction Dust) Regulation Noise Control Ordinance APC (Open Burning) Regulation Air Pollution Control Ordinance Cap354: Waste Disposal Ordinance Cap354c: WDO (Chemical Waste) (General) Regulation Cap466: Unknown Dumping at Sea Ordinance Unk: Remark N/A Signatures ET Member Contractor's Representative

(Name in Block letters:

(Name in Block letters:

CKWANCI

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of Transmission System Weekly Site Inspection Checklist

Inspection d	ate $12/8/95$ Time $19:00$ Inspect	ted by	ET:	CK	ha	POWER SX]
Site	Outside Landing Point II		Cont	racto	r: <u>(</u>	YOUER SX	\$TEMS
Weather						-	•
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	ain Store	m
Temperatu	re 30°C Humidity High V Moderat	te	Lov	V			
Wind	Calm Light Breeze Strong	_					
GENERAL							
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		V				1
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		V				
				_			-
		N/A	Yes	No	Unk	Remarks	.]
AIR QUALI	Checklist Condition	N/A	Yes	No	Unk	Remarks]
		N/A	Yes	No	Unk	Remarks	- - - - -
	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the		Yes	No	Unk	Remarks	
Ref. Cap311R: Cap311R: Sch 12(3)	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed? Stockpiling of dusty materials		Yes	No	Unk	Remarks	
Ref. Cap311R: Cap311R:	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?		Yes	No	Unk	Remarks	
Ref. Cap311R: Cap311R: Sch 12(3) Cap311R: Sch 18	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed? Stockpiling of dusty materials Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission? Use of vehicles	V	Yes	No	Unk	Remarks	
Ref. Cap311R: Cap311R: Sch 12(3) Cap311R: Sch 18	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed? Stockpiling of dusty materials Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	V	Yes	No	Unk	Remarks	
Ref. Cap311R: Cap311R: Sch 12(3) Cap311R: Sch 18 EM&A:J1 Cap311R:	Checklist Condition General Requirements Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change? A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed? Stockpiling of dusty materials Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission? Use of vehicles Is every load of dusty material on the vehicles leaving the	V	Yes	No	Unk	Remarks	

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?	~				
Cap311	Is black smoke emission from plant/equipment avoided?	/				

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		/			
Cap466	Are wastes disposed of at licensed sites?					
	Construction Waste and Excavated Materials					
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~				
Cap354	Are wastes disposed of at licensed sited?	1				
	Chemical Waste	·				·
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	V.				
Cap354C	Has the Contractor registered as a chemical waste producer?	V				
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	V				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: M1	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?					

NOISE

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	✓				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	~				
NCO	Are valid construction noise permits, if required, available for inspection?	~		_		
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	V				_
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?			_		

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks		
EM&A: O1	monitored to avoid impact on the species Celtis biondii, Pteris dis	t landing points N4 & N5 closely the uncommon and rare plant spar and Ardicia pusilla, and the ma, Pterospermum heterophyllum	V						
EM&A: O2	in good condition along the bou prevent tipping, vehicle movem	ents, and encroachment of areas, particularly where the rare,	V						
EM&A: Q3	Has regular checking been performed boundaries are not exceeded and surrounding areas?	ormed to ensure that the work site d that no damage occurs to	V						
EM&A: Q4	Is open fire prohibited and previous during construction? I equipment provided in the work	Is temporary fire fighting	V						
	V	☐ Traffic	Cons		Construction activities inside the				
	Major noise source(s)	Construction activities outside the site		Other	s				

Abbreviation VEP: Varied Environmental Permit EM&A: EM&A Manual (Construction Phase) Cap311R: Cap311O: APC (Construction Dust) Regulation APC (Open Burning) Regulation NCO: Noise Control Ordinance Cap354: Waste Disposal Ordinance Cap311: Air Pollution Control Ordinance Cap354c: WDO (Chemical Waste) (General) Regulation Cap466: Dumping at Sea Ordinance Unknown Remark Signatures ET Member Contractor's Representative

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection of	late 3rd August Time 10:00 have Inspect	ed By	ET:		.L.		
Site	LMX 275 EN S/S ERECTION CONTRACT		Cont	racto	r: 'Z	H Suzvi/	MEHK
Weather			<u> </u>				•
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	in Stori	n
Temperatu	re 30 °C Humidity High Modera	te	Lov	,			
Wind	Calm Light Breeze Strong						
GENERAL						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/				
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?						
AIR QUALI Ref.	TY Checklist Condition	N/A	Yes	No	Unk	Remarks	
	General Requirements	l					
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?						
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/				
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/					
	Construction Sites	J					
EM&A: Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					NATER SPI PROVIDED A PAUL Y	enying G
	Stockpiling of dusty materials					, - (
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		/				

Cap311R: Sch 15(3) Cap311R: Sch 15(4)	Cement and dry pulverized fuel ash (PFA) Are the storage silos for cement or dry PFA prevented from			·	L	
Sch 15(3) Cap311R:						
	overfilling?					
	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	/				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials				•	
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?					
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		,			
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?					
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?					PACILITIES PROVIDED & PAUL Y
	Transfer of dusty materials using a belt conveyor system					7
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?		,			
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?				- ,	
	Concrete batching plant					•
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/				
EM&A:	Are all the conveyor transfer points totally enclosed?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?					
Cap3110	Is open burning prohibited?		/			
Cap311	Is black smoke emission from plant/equipment avoided?					

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks					
	Dredged Materials				•						
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/									
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/									
EM&A: E3	Are wastes disposed of at licensed sites?	/									
	Construction Waste and Excavated Materials										
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	/									
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	/									
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	/									
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/									
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/									
EM&A: E3	Are wastes disposed of at licensed sites?										
	General refuse										
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?										
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/								
WMP	Is the refuse disposed of regularly and properly?		1								
WMP	Are burning of refuse at site and dumping at sea prohibited?										
	Chemical Waste										
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?										

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?					
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/	,		
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		/			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		/			
	Storage, collection and transportation of waste	•	•			
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	(1) public fill materials for on-site reuse, or disposal at public filling area;					
	(2) reusable / recyclable materials;					
	(3) un-reusable / non-recyclable waste for landfill disposal.					
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	/				

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off	•				
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?					
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?					
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	/				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?					
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/				11 H. W. W.
	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	/				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	1				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	/				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	1				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedu	lled to minimize noise nuisance?					
EM&A: C1	Are construction works or equipr nuisance?	nent sited to minimize noise		/			
EM&A: C1	Are all plant and equipment main conditions?	ntained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?					
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried of nuisance?	ut in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise du holidays, is either one of the folloa Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	owing measures adopted?					
EM&A: C3	To mitigate night time constructive equipped with silencers or muffle		/				
NCO	Are valid construction noise pern inspection?	nits, if required, available for	/				
NCO	Are conditions of construction no relevant part(s) of the works impl		/				
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand	/				
	Major noise source(s)	☐ Traffic		Constr site	uction	activi	ties inside the
	iviajui muise suufee(s)	Construction activities		Others			_

Abbreviation VEP: Varied Environmental Permit EM&A: EM&A Manual (Construction Phase) WMP: Waste Management Plan NCO: Noise Control Ordinance Cap311R: APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Cap3110: WDO: Waste Disposal Ordinance Cap311: PN1/94: Practice Note for Professional Persons (Construction Site Drainage) Unk: Unknown Remark Signatures Contractor's Representative ET Member

(Name in Block letters:

W-L. L1)

Name in Block letters:

12th January 2005

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection of	date 1/62 August of Time /J :00 Inspect	ted By				1/PDE	
	,		Conti	racto	r: s 4	SUDU/M	446
Site	LMX 275KU S/S ERECTIONS CONTRACT						
Weather	,						-
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	ain Stor	m
Temperatu	re 3 °C Humidity High Modera	ite	Low	,			
Wind	Calm Light Breeze Strong						
GENERAL							
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/				
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks]
	General Requirements		<u> </u>	l		<u></u>	1
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?						-
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/				
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?						
	Construction Sites			l		1	1
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			PROJUDED DAML V	By
	Stockpiling of dusty materials	1				4 (1
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?						

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?					
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials			·		
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	/				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?					
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?					
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?			,		WHEEL A FACILITIES PROVIDED E PAUL Y
	Transfer of dusty materials using a belt conveyor system					
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?					
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?					
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?		/			
	Concrete batching plant					·
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
	Are dusty materials, except cement and dry PFA, wetted by water					
	spray system?	$ \vee $				
EM&A: A2 EM&A: A2	spray system? Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	Miscellaneous								
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	/							
Cap3110	Is open burning prohibited?		/						
Cap311	Is black smoke emission from plant/equipment avoided?								

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	•				
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				
EM&A: E3	Are wastes disposed of at licensed sites?					
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	/				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?					
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	/				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/				
EM&A: E3	Are wastes disposed of at licensed sites?					
	General refuse			•		
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?					
WMP	Is the refuse disposed of regularly and properly?		/			
WMP	Are burning of refuse at site and dumping at sea prohibited?		/			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?		/			
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/			
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		/			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		/			
	Storage, collection and transportation of waste		•	•		
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		/			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	/				
	(1) public fill materials for on-site reuse, or disposal at public filling area;					
	(2) reusable / recyclable materials;					
	(3) un-reusable / non-recyclable waste for landfill disposal.					
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?					

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	/				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	/				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	/				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	/				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm					
2112/27	drains after the removal of silt in silt removal facilities?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water	†				
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?					
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	/				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	/				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	/				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedu	lled to minimize noise nuisance?					
EM&A: C1	Are construction works or equipment sited to minimize noise nuisance?						
EM&A: C1	Are all plant and equipment maintained in good operating conditions?			/			
EM&A: C1/GP	Is idle equipment turned off or throttled down?						
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried or nuisance?		/				
EM&A: C2	To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods?				•		
EM&A: C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?						
NCO	Are valid construction noise perminspection?	/					
NCO	Are conditions of construction no relevant part(s) of the works imple	1					
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?						
	Major paice course(s)	☐ Traffic	Construction activities in site				ties inside the
	Major noise source(s)	Construction activities outside the site					

Abbreviation				
VEP: WMP: Cap311R: Cap311O: Cap311: PN1/94: Unk:	Varied Environmental Waste Management Pl APC (Construction Do APC (Open Burning) I Air Pollution Control of Practice Note for Profe Unknown	an ıst) Regulation Regulation	NCO: WDO:	EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Orainage)
Remark				
Signatures				
ET Member		Contractor's Represent	tative	
	<u>/</u>	Q.		
(Name in Block le ム・ム・レ		(Name in Block letters $SHSUW$:	
w.v. D	<u>'</u>			

12th January 2005

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection of	date 11/1/205 Time 10:00 Kornes Inspect	ed By	ET:			4 / PPE
Site	LMX 2/5 KU S/S EREETION CONTRACT		Cont	racto	r: S - A	1 ZWEN /MEN
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [R	nin Storm
Temperatu	re 7°C Humidity High Modera	te	Lov	1		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		\			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
AIR QUALI Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements					
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?					
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		\checkmark			
Сар311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?					
	Construction Sites	1		1		
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			DATER SPRAYOR BY DRULLY
	Stockpiling of dusty materials					7
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	,				
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	/				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?					
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?		,			
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?					
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?					
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?					PACICITIES PROVINCES OF
	Transfer of dusty materials using a belt conveyor system					7
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
Cap311R:						1
Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?					
		/				
Sch 20(2) Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return	\rangle \rangl				
Sch 20(2) Cap311R: Sch 20(3) Cap311R:	enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting	\(\)				
Sch 20(2) Cap311R: Sch 20(3) Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?					
Sch 20(2) Cap311R: Sch 20(3) Cap311R: Sch 20(4) EM&A:	enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m? Concrete batching plant Are the loading, unloading, handling, transfer or storage of any					
Sch 20(2) Cap311R: Sch 20(3) Cap311R: Sch 20(4) EM&A: A2 EM&A:	enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m? Concrete batching plant Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system? Are dusty materials, except cement and dry PFA, wetted by water					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?					
Cap3110	Is open burning prohibited?					
Cap311	Is black smoke emission from plant/equipment avoided?		/			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	•		•		
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				
EM&A: E3	Are wastes disposed of at licensed sites?	/				
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?					
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?					
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	/				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/				
EM&A: E3	Are wastes disposed of at licensed sites?	1				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			
WMP	Is the refuse disposed of regularly and properly?		1			
WMP	Are burning of refuse at site and dumping at sea prohibited?					
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?					
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/			
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?					
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?					
	Storage, collection and transportation of waste					
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		/			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	/				
	(1) public fill materials for on-site reuse, or disposal at public filling area;					
	(2) reusable / recyclable materials;					
	(3) un-reusable / non-recyclable waste for landfill disposal.					
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	/			<u> </u>	

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off			•		
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?					
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	/				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	/				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	/				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	/				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?					

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	1				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	/				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	/				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedu	iled to minimize noise nuisance?					
EM&A: C1	Are construction works or equipmuisance?	nent sited to minimize noise		/			·
EM&A: C1	Are all plant and equipment mair conditions?			/			
EM&A: C1/GP	ls idle equipment turned off or th	rottled down?		/			
EM&A: C1	Are methods of working devised nuisance?	-					
EM&A: C1)	Are construction works carried o nuisance?	ut in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise du holidays, is either one of the folloa Mitigation by portable noise Rescheduling of some powe sensitive time periods?	owing measures adopted?		/			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		/				
NCO	Are valid construction noise permisspection?	nits, if required, available for	/				
NCO	Are conditions of construction no relevant part(s) of the works implementations of the construction of the works implementation of the conditions of the conditions of construction not relevant part (s) of the works implementation of the conditions of construction not relevant part (s) of the works implementation of the conditions of construction not relevant part (s) of the works implementation of the construction of the construction not relevant part (s) of the works implementation of the construction of the constructio						
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand					
	Major noise source(s)	☐ Traffic	Ø.	Constr site	uction	activi	ties inside the
	iriajoi noise source(s)	Construction activities		Others			

Abbreviation VEP: Varied Environmental Permit WMP: Waste Management Plan EM&A: EM&A Manual (Construction Phase) Cap311R: APC (Construction Dust) Regulation NCO: Noise Control Ordinance Cap3110: APC (Open Burning) Regulation WDO: Waste Disposal Ordinance Cap311: Air Pollution Control Ordinance PN1/94: Practice Note for Professional Persons (Construction Site Drainage) Unk: Unknown Remark Signatures ET Member Contractor's Representative

(Name in Block letters:

W. L. U

(Name in Block letters:

CH SVIN

12th January 2005

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection	date 24/8/201 Time 10:45 Inspect	ed By	ET:	W.	L. L	- IPPE
Site	LMX 2751AU S/S ERROTIONS CONTRACT		Cont	racio	r: 6	W 20/MB
Weather						
Condition	Sunny Fine Overcast Hazy	V	Driz	zle [Ra	ain Storn
Temperatu	ıre☑️C Humidity 🕡 High 🔲 Modera	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?	1				
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	<u> </u>				1
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?					
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?					
	Construction Sites		• • •			
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					PROVIDED B
	Stockpiling of dusty materials			•		·/
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		,			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					•
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?					
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?					
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	/				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/				
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?					PACILITIES PROVIDED BY PAUL Y
	Transfer of dusty materials using a belt conveyor system					7
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?					
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
	Concrete batching plant					·
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/				
	Are all the conveyor transfer points totally enclosed?	/		L		1

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?					
Cap311O	Is open burning prohibited?		/			
Cap311	Is black smoke emission from plant/equipment avoided?					

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials			•		•
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?					
EM&A: E3	Are wastes disposed of at licensed sites?					
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	/				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?					
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?					
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/				
EM&A: E3	Are wastes disposed of at licensed sites?					
	General refuse				•	,
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?					
WMP	Is the refuse disposed of regularly and properly?					
WMP	Are burning of refuse at site and dumping at sea prohibited?					
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?					
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/			
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		/			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		/	, 		-
	Storage, collection and transportation of waste					<u> </u>
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	(1) public fill materials for on-site reuse, or disposal at public filling area;					
	(2) reusable / recyclable materials;					
. =	(3) un-reusable / non-recyclable waste for landfill disposal.					
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	/				

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?					
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	/				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	/				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	/				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?					
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?					
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?					

MARINE ECOLOGY

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EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	1				

NOISE

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EM&A: C1	Are working programmes schedu	lled to minimize noise nuisance?		/			
EM&A: C1	Are construction works or equipr nuisance?	nent sited to minimize noise					
EM&A: C1	Are all plant and equipment main conditions?	tained in good operating					
EM&A: C1/GP	Is idle equipment turned off or th		\mathcal{I}				
EM&A: C1	Are methods of working devised nuisance?		/				
EM&A: C1)	Are construction works carried or nuisance?		/				
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EM&A: C3	To mitigate night time construction equipped with silencers or muffle	/	,				
NCO	Are valid construction noise pern inspection?	/					
NCO	Are conditions of construction no relevant part(s) of the works impl		/				
NCO	Are valid noise emission labels fi held percussive breakers?	/					
	Major noise source(s)	☐ Traffic	\overline{\sigma}\$	Constr site	uction	ı activi	ties inside the
	iviajui nuise suurce(s)	Construction activities		Others	_		

Abbreviation				
VEP: WMP: Cap311R: Cap311O: Cap311: PN1/94: Unk:	Varied Environmental Permit Waste Management Plan APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Practice Note for Professional Persons Unknown	NCO: WDO:	EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Orainage)	
Remark				

Signatures				
ET Member	Contractor's R	Representative		
			IEC's Representative This site inspection was carried in the presence of IEC's representation.	I out entative
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(Name in Bloc			TMCh	
<u> </u>	- U) LO CHUEA	<u> </u>	Name in Block Letters:)
	C.M. Lo			
		6826		

12th January 2005