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 date	7/9/	Time	10:00	Inspected	By ET: Comp	Wong
Site	Loty	- Superst	a-stine		Connactor:	
Weather		· · · · · · · · · · · · · · · · · · ·				
Condition	. Sunny	Fine	Overcast	Hazy	Drizzle Rain	Storm
Temperature 7	~	Humidit		Moderate	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?		./		<u></u>	
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			

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AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	General Requirements	I	<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?		/						
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?	1							
	Construction Sites								
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/						
	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?	1							

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	L	L	L		ł
Cap311R:	Are the storage silos for cement or dry PFA prevented from			<u> </u>		
Sch 15(3)	overfilling?					
Cap311R;	Are the handlings of cement or dry PFA through a totally enclosed	1				
Sch 15(4)	system equipped with air pollution control equipment at the vent					
	of the system?	/				
Can211D	Is hulk concept or deri DEA stand in a sland site fitted with a			 		ļ ·
Cap311R: Sch 15(2)	Is bulk coment or dry PFA stored in a closed silo fitted with a high-level alarm?					
		//				
Cap311R:	Are the cement, dry PFA or other dusty materials collected by the	. ,				
Sch 17	air pollution control equipment disposed of in totally enclosed containers?					
		/				
	Loading, unloading or transfer of dusty materials	I	L			<u></u>
Cap311R:	Are dusty materials, except cement and dry PFA, sprayed with	<u> </u>	i —			r
Sch 19	water immediately prior to any loading, unloading or transfer	1				
	operation?	/				
EM&A:	Are the dropping heights of the fill materials controlled to a	7		-		<u> </u>
A1	practical level to minimize fugitive dust emission?	//	ĺ	-		
	· · · · · · · · · · · · · · · · · · ·	1				
	Use of vehicles					
Cap311R:	Is every load of dusty material on the vehicles leaving the					
Sch 21(2) EM&A:	construction site covered entirely by clean impervious sheeting?					
Al						2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Cap311R:	Is every vehicle wheel-washed by the wheel washing facilities to		[
Sch 21(1)	remove any dusty materials from its body and wheels before					
	leaving the construction site?		/			
·····	Transfer of dusty materials using a belt conveyor system		<u> </u>	L		
Cap311R:	Are belt conveyors used for transfer of dusty materials covered on	r	г <u>.</u>	T	I	T
Sch 20(1)	the top and 2 sides?	1				
		/				
Cap311R:	Is every transfer point between any two-belt conveyors totally	1				
Sch 20(2)	enclosed?					
Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of		<u> </u>	+		<u>├</u> ──
Sch 20(3)	every conveyor? Is the belt scraper equipped with bottom plates		1	1		
	or similar means to prevent falling of materials from the return					
	belts?					
Cap311R:	Are stockpiling conveyors equipped with level adjusting			\mathbf{T}		<u>+</u>
Sch 20(4)	mechanism to maintain the dropping height within 1 m?					
	Consulta batability alant	<u> </u>	L	1	l	L
	Concrete batching plant	F		T	r	T
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
, - 2						
EM&A:	Are dusty materials, except cement and dry PFA, wetted by water	1	[· · ·
A2	spray system?					
	Are all the receiving hoppers enclosed on three (3)sides up to 3m		t	+		+
FM&A·						
EM&A: A2	above unloading point?					
	above unloading point? Are all the conveyor transfer points totally enclosed?	/ _,		ļ	 	

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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?	<u>∔</u>	/			
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	L,,,		· ·		<u></u> -
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					
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?	/				
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?		/	1		
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			
WMP	Is the refuse disposed of regularly and properly?		\square			
WMP	Are burning of refuse at site and dumping at sea prohibited?	I	\Box]		<u> </u>
	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)?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks		
WĐO	Has the Contractor been registered as a chemical waste producer?			· · · · ·				
EM&A: E3	Has the Contractor kept all the trip lickets 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?							
	 public fill materials for on-site reuse, or disposal at public filling area; 							
	(2) reusable / recyclable materials;	1			I			
	(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?							

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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 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?	1				
	Groundwater	-	╄	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	•				
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?			1		

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: Gl	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 : Cl	Are working programmes schedu	led to minimize noise nuisance?	-	1		}	
ЕМ&л: Cl	Are construction works or equipment sited to minimize noise nuisance?						
EM&A: Cl	Are all plant and equipment main conditions?	stained in good operating					
EM&A: Cl/GP	Is idle equipment turned off or th	-	/				
EM&A: Cl	Are methods of working devised nuisance?		/				
EM&A: C1)	Are construction works carried of nuisance?		1				
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 constructi equipped with silencers or muffle				;, . .		
NCO	Are valid construction noise permisspection?	nits, if required, available for		/			
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			
		Traffic	Ø	Const site	ructio	on activ	vities inside the
	Major noise source(s)	Construction activities outside the site		Other	rs		

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
Сар311О;	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		·
PN1/94:	Practice Note for Professional Persons (Con	struction Site I	Drainage)
Unk:	Unknown		-

Remark

Nil _____ ., Signatures

ET Member

Contractor's Representative

(Name in Block letters

arry h)

(Name in Block letters: YY GEING,

11th November 2002

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

Inspection date	14/9/	15 Time	0100	Inspected	By ET: Contractor:	Nony.
Site	LMX	- Sayors	Structure]	Contractor:	۲/ ۲/
Weather	<u></u>				······································	
Condition	Sunny	<u> </u>		•		in Storm
Temperature []]	2]℃	Humidi	ty 🔄 High	Moderate	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?			ł		

AIR QUALITY

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?		/						
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								
ЕМ:©А : Л1	Are hap! roads paved with concrete or sprayed with water to keep the entire road wet?			F					
	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	┶╴╷ _{┻╼} ┙		I
Cap311R:	Are the storage silos for cement or dry PFA prevented from	17		<u> </u>		
Sch 15(3)	overfilling?			1		
		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	1				
	of the system?					
Cap311R:	Is bulk cement or dry PFA stored in a closed silo fitted with a	-				
Sch 15(2)	high-level alarm?	1				
		1				ĺ
Cap311R:	Are the cement, dry PFA or other dusty materials collected by the					
Sch 17	air pollution control equipment disposed of in totally enclosed					
	containers?					
		1		<u> </u>		l
	Loading, unloading or transfer of dusty materials					
Cap311R:	Are dusty materials, except cement and dry PFA, sprayed with	[
Sch 19	water immediately prior to any loading, unloading or transfer operation?					
	operation:	1				
EM&A:	Are the dropping heights of the fill materials controlled to a	7				
AI	practical level to minimize fugitive dust emission?					
		l				
	Use of vehicles					
Cap311R:	Is every load of dusty material on the vehicles leaving the	1				
Sch 21(2)	construction site covered entirely by clean impervious sheeting?					
EM&A:	and the second	1 -				
A1		,		Í		
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				1	
Sen 21(1)	leaving the construction site?					
	in construction site?		1			
	Transfer of dusty materials using a belt conveyor system	<u>. </u>	2	l,ł		
Cap311R:	Are belt conveyors used for transfer of dusty materials covered on	<u>r </u>		1		
Sch 20(1)	the top and 2 sides?					
20(1)		1				
Cap311R:	Is every transfer point between any two-belt conveyors totally			·		
Sch 20(2)	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					
SCII 20(3)	or similar means to prevent falling of materials from the return					
	belts?	1 .				
Cap311R:	Are stockpiling conveyors equipped with level adjusting	\square				
Sch 20(4)	mechanism to maintain the dropping height within 1 m?	1				
		L		<u>i</u>		
	Concrete batching plant	γ <u> </u>				
EM&A:	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
Λ2	dusty materials carried out in a totally enclosed system?	ĸ		[
EM&A:	Are dusty materials, except cement and dry PEA, wetted by water	/				
Λ2	spray system?	/				
		ĺ				
	Are all the receiving hoppers enclosed on three (3)sides up to 3m					
EM&A:						
ЕМ&А: А2	above unloading point?					
		C,				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellancous	· · · · · · · · · · · · · · · · · · ·	/ <u></u>	*		·
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		/	J	L	*
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?	1				
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				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?	1				
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?		7			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		[
WMP	Is the refirse disposed of regularly and properly?		1			
WMP	Are burning of refuse at site and dumping at sea prohibited?	}	1Z			
	Chemical Waste		1 · · · ·	r	······	j
EM&A: 53	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	Remark		
WDO	Has the Contractor been registered as a chemical waste producer?	1			m_			
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?	7						
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?) 			
	 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.	17						
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	L			1	<u> </u>
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	7				
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?	(
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 severs?	(
	Goundwater		ļ	 	ļ	···
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		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?					
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

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes sched	uled to minimize noise misance?		7			
EM&A: Cl	Are construction works or equip nuisance?	Are construction works or equipment sited to minimize noise nuisance?					
EM&A: CI	Are all plant and equipment main conditions?	Are all plant and equipment maintained in good operating conditions?					
EM&A: Cl/GP	Is idle equipment turned off or t	Is idle equipment turned off or throttled down?					
EM&A: Cl	Are methods of working devised nuisance?	re methods of working devised and arranged to minimize noise uisance?					
EM&A: Cl)	Are construction works carried on nuisance?		/				
EM&A: C2	holidays, is either one of the fol a) Mitigation by portable nois	b) Rescheduling of some powered mechanical equipment to less					
EM&A: C3	To mitigate night time construct equipped with silencers or muff	ion noise, is dredging equipment lers?	T		;, .		
NCO	Are valid construction noise per inspection?	mits, if required, available for		1	2		
NCO	Are conditions of construction r relevant part(s) of the works im	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			
		Traffic	P	Cons site	tructio	on activ	vities inside the
··· <u> </u>	Major noise source(s)	Others					

Abbreviation

VEP:	Varied Environmental Permit		
WMP:	Waste Mänagement Plan	EM&A:	EM&A Manual (Construction Phase)
Cap3LIR:	APC (Construction Dust) Regulation	NCO:	Noise Control Ordinance
Cap311O:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		•
PN1/94:	Practice Note for Professional Persons (Con	nstruction Site I	Drainage)
Unk:	Unknown		÷ ·

Remark

Nil .. Signatures ź

ET Member

Contractor's Representative

(Name in Block letters: U

Larry Wone _)

(Name in Block letters: Y GENG, Y

11th November 2002

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

Inspection date	21/9	105 Time	10:00 an	Inspected	By ET:	
Site	LMX.	- Superstr	ncture		Contractor	47 Camp
Weather						
Condition	Sunny	Fine	Overcast	Hazy	Drizzle	Rain Storm
Temperature []2	°C	Humidit	y High	Moderate	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?		/			

AIR QUALITY

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?		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 Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	1							
	Construction Sites								
EM&A : A1	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?								

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remark					
	Cement and dry pulverized fuel ash (PFA)	ـــــــــــــــــــــــــــــــــــــ	L)	 _						
Cap311R:	Are the storage silos for cement or dry PFA prevented from		r—	F	,						
Sch 15(3)	overfilling?	1	[
Cap311R:	Are the handlings of cement or dry PFA through a totally enclosed		[<u> </u>							
Sch 15(4)	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	L			- <u>-</u> .	<u> </u>					
Cap311R:	Are dusty materials, except cement and dry PFA, sprayed with										
Sch 19	water immediately prior to any loading, unloading or transfer operation?	1									
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/									
	Use of vehicles										
Cap311R:	Is every load of dusty material on the vehicles leaving the			[· · ·]							
Sch 21(2) EM&A: A1	construction site covered entirely by clean impervious sheeting?	1				l 					
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:	Are belt conveyors used for transfer of dusty materials covered on	[
Sch 20(1)	the top and 2 sides?	1	1								
Cap311R:	Is every transfer point between any two-belt conveyors totally										
Sch 20(2)	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?	/									
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:	Are the loading, unloading, handling, transfer or storage of any	/				, Wr _					
A2	dusty materials carried out in a totally enclosed system?	ļ	Ì	<u> </u>		! 					
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?	1									
EM&A: A2	Are all the conveyor transfer points totally enclosed?	\square									

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	ls 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?	/								
	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?	1			<u> </u>					
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?	<u> </u>	/							
	Chemical Waste					• <u> </u>				
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?	1					
	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?						
	 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			L		
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?	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?	/				
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				
	Groundwater	Į				
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		<u>├</u> ──-`		
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?		/			

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MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: Gl	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?					

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NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes schedu	aled to minimize noise nuisance?		-		†	
EM&A: Cl	Are construction works or equipanuisance?	1	/				
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					· · · · · · · · · · · · · · · · · · ·	
EM&A: Cl	Are methods of working devised nuisance?		/			,	
EM&A: C1)	Are construction works carried o 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 constructi equipped with silencers or muffle		/				<u></u>
NCO	Are valid construction noise perr inspection?	nits, if required, available for		1			<u>, , , , , , , , , , , , , , , , , , , </u>
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?			/			·
<u> </u>		Traffic		Constr site	uctio	n activi	ties inside the
	Major noise source(s)	Construction activities		Others	·		

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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				
Cap311O:	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

Nil

Signatures

ET Member

Contractor's Representative

(Name in Block letters:/ wa Lory

(Name in Block letters: Gorde By . Ч

IEC's Representative This site inspection was carried out in the presence of IEC's representative

Name in B) M.

11th November 2002

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

Inspection date	28/9/0	F Time	0:00	Inspected	By ET: Carry L	Ing
Site	Mx-s	inferstra	ture		Contractor:	<u>d</u>
Weather		—i		<u></u>		
Condition	Sunny		Overcast		Drizzle Rain	Storm
Temperature	¶∘c	Humidity	High	Moderate	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?		/			

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AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	·		4 <u>.</u>		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?		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	, I	·	<u> </u>	 ,	ſ.,,,,_
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		[
	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			
	Consent and dry pulverized fuel ash (PFA)	h	· · · · · · · · · · · · · · · · · · ·	1	L	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	1.		<u>.</u>	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: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/							
	Use of vehicles	1		-	I				
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?								
	Transfer of dusty materials using a belt conveyor system	J:	L	<u> </u>	L	I			
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								
ЕМ&л: Л2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?								
ЕМ&А: Л2	Are dusty materials. except cement and dry PFA, wetted by water spray system?								
ЕМ&Л: Л2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?								
	Are all the conveyor transfer points totally enclosed?			+					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellancous					
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?					

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
<u></u>	Dredged Materials			• <i>·</i>	<u> </u>	
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?	1				
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?		1			
WMP	Is the refuse disposed of regularly and properly?		1			
WMP	Are burning of refuse at site and dumping at sea prohibited?	1	$\Box Z$]	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)?					

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?	1				
	Storage, collection and transportation of waste			. A.		l <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?					
	 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.	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?	/				

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off	1	·	L	4	
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?	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	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				
	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					
PN1794	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?	1				
	Wheel 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?		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?	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?	1				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	<u> </u>	Are working programmes scheduled to minimize noise nuisance?					· · · · · · · · · · · · · · · · · · ·
EM&A: Cl	Are construction works or equipt nuisance?	ment sited to minimize noise					
EM&A: C1	Are all plant and equipment maintained in good operating conditions?						
EM&A: CI/GP	Is idle equipment turned off or the	rottled down?	+				<u> </u>
EM&A: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		1			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?						
EM&A: C2	 To mitigate construction noise diholidays, is either one of the folla) a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods? 	owing measures adopted?		1			
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle	on noise, is dredging equipment ers?	1				<u>_</u>
NCO	Are valid construction noise per inspection?	nits, if required, available for		1			
NCO	Are conditions of construction nervices relevant part(s) of the works imp			7			
NCO	Are valid noise emission labels fixed at air compressors and ha held percussive breakers?			7		 	
		Traffic	Ø	Const site	ructio	n activ	ities inside the
r	Major noise source(s)	Construction activities outside the site		Other	s		

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
Cap311O:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		
PN1/94:	Practice Note for Professional Persons (Co	struction Site I	Orainage)
Unk:	Unknown		•

Remark

Nil _____ Signatures

ET Member

Contractor's Representative

(Name in Block letters; Larry Wong

(Name in Block letters:

11th November 2002

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

Inspection date	07/09/05 Time 14:00 Inspected by	ET: Hendry Ho
		Contractor: Kier
Site	Transmission Route (Civil Work)	
Weather		
Condition	Sunny Fine Overcast Hazy	Drizzle Rain Storm
Temperature	31 °C Humidity High / Moderate	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 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 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?		~			
	Use of vehicles	<u> </u>	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	L		·		
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	~				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
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	1				
Сар466	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	1				
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"?	~				

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Ųnk	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?		v			N4, N2, LPS sites
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?		~			

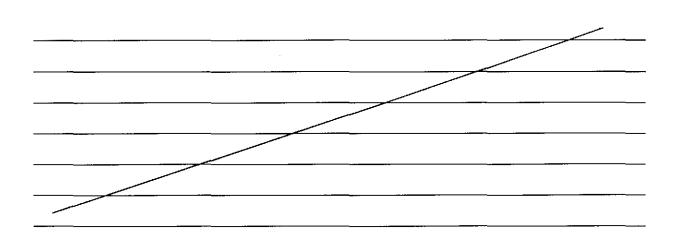
TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: 01	Are the construction activities at la monitored to avoid impact on the u species <i>Celtis biondii</i> , <i>Pteris dispa</i> restricted plants <i>Vitis balansaeana</i> and <i>Rhapis excellsa</i> ?	uncommon and rare plant ar and Ardicia pusilla, and the		1			
EM&A: O2	Are fences erected in accordance with the Hoarding Plan and kept n 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 perform boundaries are not exceeded and th 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 the s		ion act	ivities inside
	Major noise source(s)	Construction activities outside the site		Othe	ers:		

Abbreviation

VEP:	Varied Environmental Permit	EM&A: EM&A Manual (Construction Phase)
Cap311R:	APC (Construction Dust) Regulation	NCO: Noise Control Ordinance
Cap311O:	APC (Open Burning) Regulation	Cap354: Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance	Cap354c: WDO (Chemical Waste) (General) Regulation
Cap466:	Dumping at Sea Ordinance	Unk: Unknown
Сарноо.	Dumping at Sea Orumance	Olik, Olikilowi

Remark



Signatures

ET Member

Contractor's Representative

(Name in Block letters:

:40)

(Name in Block letters: Siu

20th December 2001

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

Inspection date	14/09/05 Time 10:00 Inspected by	ET: Hendry Ho
		Contractor: Kier
Site	Transmission Route (Civil Work)	
Weather		
Condition	Sunny Fine Overcast Hazy	Drizzle Rain Storm
Temperature	30 °C Humidity High Moderate	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 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?		~		~	

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements			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?	~				
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	I		1		
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	•				L
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	~				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
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							
Сар466	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?	~						
	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"?	~						

MARINE ECOLOGY

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

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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?		~			N4, N2, LPS sites
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	monitored to avoid impact on the a species Celtis biondii, Pteris dispa	e construction activities at landing points N4 & N5 closely ored to avoid impact on the uncommon and rare plant a Celtis biondii, Pteris dispar and Ardicia pusilla, and the ed plants Vitis balansaeana, Pterospermum heterophyllum mapis excellsa?		~			
EM&A: O2	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 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?			~			····
		Traffic		Construction activities inside the site			
	Major noise source(s)	Construction activities outside the site		Others:			

Abbreviation

VEP:	Varied Environmental Permit	EM&A: EM&A Manual (Construction Phase)
Cap311R:	APC (Construction Dust) Regulation	NCO: Noise Control Ordinance
Cap3110:	APC (Open Burning) Regulation	Cap354: Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance	Cap354c: WDO (Chemical Waste) (General) Regulation
Cap466:	Dumping at Sea Ordinance	Unk: Unknown

Remark

Signatures

ET Member

(Name in Block letters: Hondry, S T Ho Assistant Engineer

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(Name in Block letters: Siy

Contractor's Representative

20th December 2001

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

Inspection date	21/09/05 Time 14:00 Inspected by ET: Hendry Ho
	Contractor: Kier
Site	Transmission Route (Civil Work)
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	31 °C Humidity High ✓ Moderate 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 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 QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	General Requirements	.		J	L	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?	~							
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?		~			LPS site			
<u></u> .	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?		~			
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								
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?	<u> </u>	~						
	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?	~							
	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"?	~							

MARINE ECOLOGY

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?	1				

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?		~			N4, N2, LPS sites
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: 01	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?		4				
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		~				
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	A: 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?			~			
		Traffic	~	Con the s		ion sct	ivities inside
	Major noise source(s) Construction activities outside the site		1	Othe	ers: V	'illage	vehicle

Abbreviation

VEP:	Varied Environmental Permit	EM&A: EM&A Manual (Construction Phase)
Cap311R:	APC (Construction Dust) Regulation	NCO: Noise Control Ordinance
Cap3110:	APC (Open Burning) Regulation	Cap354: Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance	Cap354c: WDO (Chemical Waste) (General) Regulation
Cap466:	Dumping at Sea Ordinance	Unk: Unknown
-		

Remark

Signatures

ET Member

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(Name in Block letters: to)

Name in Block letters:

Contractor's Representative

20th December 2001

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

Inspection date	28/09/05 Time 1	5:00	Inspected by	ET: Hendry Ho Contractor: Kier
Site	Transmission Route (Civil	Work)		
Weather		<u></u>		
Condition	Sunny Fine	Overcast	Hazy	Drizzle Rain Storm
Temperature	31 °C Humidity	High	Moderate	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 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?		~			

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: Seh 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		i	L	t	/=
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?	~				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
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		·					
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?	~						
	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"?	~						

MARINE ECOLOGY

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: Ll	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?		~			N4, N2, LPS sites
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	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 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?			~			
		Traffic	~	Con the s		ion act	ivities inside
	Major noise source(s)	Construction activities outside the site	~	Othe	ers: V	'illage '	vehicle

Abbreviation

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

Remark Signatures

ET Member

Envice

ku (Name in Block letters: S.T.HD

'Nilì in Block letters

Contractor's Representative

20th December 2001

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

Inspection date	I Sep OS TI	ime <u>9=30 au</u>	Inspected	By ET: N/ Sin (HEC) Contractor: A An (14)
Site	LMX-Unit?	, Mech Eredia	Area	Connación. AIAII (AAIA)
Weather				
Condition	Sunny Fine	Overcast	Hazy	Drizzle Rain Storm
Temperature]]℃ Hui	midity 📈 High	Moderate	Low
Wind	Calm Ligh	t Breeze	Strong	

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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 QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	J	L			1 <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?	/				
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	I	<u> </u>	1	<u>.</u>	<u>.</u>
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark			Spraying by Rul 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?					

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	-1	L	1	L	·····
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?	~				
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?	\checkmark				
	Loading, unloading or transfer of dusty materials			I		·
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: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	\checkmark				
·····	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?		\checkmark			Cleaning provider by Paul Y.
	Transfer of dusty materials using a belt conveyor system	£A		ł		
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?	\checkmark				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1				
	Concrete batching plant	•		I		
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
/1#				<u> </u>	·	
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A:		/				

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					1
Cap311R: Sch 16	Are completed carthworks scaled and hydroseeded and planted as soon as possible?					
Cap3110	Is open burning prohibited?		1			
Cap311	Is black smoke emission from plant/equipment avoided?					

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WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	A	L			*
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?	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?					
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?	~				
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?	V				
	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?		\checkmark			
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)?					

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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?	. - ´				
	 public fill materials for on-site reuse, or disposal at public filling area; 	\checkmark				
	(2) reusable / recyclable materials;	~				
	(3) un-reusable / non-recyclable waste for landfill disposal.		5			
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

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Reſ	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 crosion 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				
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				
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?	J				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	$\overline{\vee}$				

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				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"?	1				
ЕМ&Л: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	J				

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NOISE

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes schedu	aled to minimize noise nuisance?	1	~			· ·
EM&A: Cl	Are construction works or equipr nuisance?	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?		v			
EM&A: Cl	Are methods of working devised nuisance?			\checkmark			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?			\checkmark			
EM&A: C2	To mitigate construction noise du holidays, is either one of the folk a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	owing measures adopted?		\checkmark			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		V				
NCO	Are valid construction noise permisspection?	nits, if required, available for	$\overline{}$				
NCO	Are conditions of construction no relevant part(s) of the works imp		\checkmark				
NCO	Are valid noise emission labels fi held percussive breakers?	ixed at air compressors and hand		V	/		•,
	Major noise source(s)	Traffic		site			ties inside the
		Construction activities outside the site		Others			<u></u>

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Abbreviation

VEP: WMP:	Varied Environmental Permit Waste Management Plan		EM&A Manual (Construction Phase)
Cap311R: Cap311O:	APC (Construction Dust) Regulation APC (Open Burning) Regulation	NCO: WDO:	Noise Control Ordinance Waste Disposal Ordinance
Cap3110.	Air Pollution Control Ordinance		•
PN1/94:	Practice Note for Professional Persons (Cons	struction Site I	Drainage)
Unk:	Unknown		

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Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

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(Name in Block letters) An I.V. Vin

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

Inspection date	Sp. is	Time <u>3430</u>	Inspected	By ET: W , χ_{TW} (HEC) Contractor: W , F , K_{W} , F (1DK)
Site	LMX - Unit C	Heih. Existion Alva		Contractor, W. F. Kuvita (IDK)
Weather				<u> </u>
Condition	Sunny 📈	Fine Overca	st Hazy	Drizzle Rain Storm
Temperature	℃	Humidity 🔀 High	Moderate	Low
Wind	Calm 📿	Light Breeze	e 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?		\checkmark			

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AIR QUALITY

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?	\checkmark				
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			
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?	\checkmark				
<u> </u>	Construction Sites	4				<u> </u>
EM&A : Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		1			Spraying Br 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?	~				

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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?	\checkmark				
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?	\checkmark				
	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?	\checkmark				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	\checkmark				
	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?	\checkmark				
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?		\checkmark			<u>Utening</u> Proviled By P.X.
	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?	\checkmark				
	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?	\checkmark				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	\checkmark	;			
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	\checkmark				
	Are all the conveyor transfer points totally enclosed?			· · · · · · · · · · · · · · · · · · ·		ŧ

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous		·			L
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?		\checkmark			,,

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?	\checkmark				
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?	\checkmark				
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?	\checkmark				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	\checkmark				
EM&A: E3	Are wastes disposed of at licensed sites?	\checkmark				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		\checkmark			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		\checkmark			
WMP	Is the refuse disposed of regularly and properly?		\checkmark			
WMP	Are burning of refuse at site and dumping at sea prohibited?		\checkmark			
	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)?		\checkmark			

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?					
ЕМ&А: ЕЗ	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		\checkmark			
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		\checkmark			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		\checkmark			
	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?					
	 public fill materials for on-site reuse, or disposal at public filling area; 	\checkmark				
	(2) reusable / recyclable materials;	\checkmark				
,, .	(3) un-reusable / non-recyclable waste for landfill disposal.		1			
ЕМ&А: ЕЗ	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				A	·
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?	\checkmark				
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?	\checkmark				
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?	\checkmark				
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?	\checkmark				

MARINE ECOLOGY

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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"?					
ЕМ&А: 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		NIA	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes schedu	iled to minimize noise nuisance?	-				
EM&A: Cl	Are construction works or equipa nuisance?	ment sited to minimize noise		\checkmark	,		
EM&A: C1	Are all plant and equipment mair conditions?	ntained in good operating		\checkmark			
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?	-	1			
EM&A: Cl	Are methods of working devised nuisance?		~				
EM&A: C1)	Are construction works carried o nuisance?		\checkmark				
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?	owing measures adopted?		\checkmark			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		\checkmark				
NCO	Are valid construction noise permispection?	nits, if required, available for	\checkmark				
NCO	Are conditions of construction no relevant part(s) of the works impl		\checkmark				
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand		\checkmark			•
	Major noise source(s)		ļ	site		activit	ies inside the
		Construction activities outside the site)thers			

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	
Cup3110: 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	

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Remark

Signatures

ET Member

Contractor's Representative

(Manie in Block letters:

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(Name in Block letters: W.F. Kwck_)

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

Inspection date	15. Sep 25	Time 0 7:30] Inspected	
Site	LMX-Ung	Mich Enerties Annu-]	Contractor: W. 7Km/ (TOK)
Weather				
Condition	Sunny F	ine Overcas	Hazy	Drizzle Rain Storm
Temperature	I ℃	Humidity 📝 High	Moderate	Low
Wind		Light Breeze	Strong	

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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?		\checkmark			

AIR QUALITY

Ref.	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?	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?	/				
	Construction Sites	4	1 <u></u>	J		
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?			7		Spurgery.
	Stockpiling of dusty materials			•		3
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?	\checkmark				

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	1	I	1		L
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?					
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?	/				
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?		~			Cleining Proviledo D DY
	Transfer of dusty materials using a belt conveyor system	1				3 14.
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	\checkmark				•.
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?	\checkmark				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	\checkmark				
	Concrete batching plant		l		l	
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	\checkmark				
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?	\checkmark				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous	.1		1	L	L
Cap311R: Sch 16	Are completed earthworks scaled and hydroseeded and planted as soon as possible?	\checkmark				
Cap3110	Is open burning prohibited?		\checkmark			
Cap311	Is black smoke emission from plant/equipment avoided?					

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials		•	A		•
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	\checkmark				
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?					
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?	\checkmark				
	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?		\checkmark			
WMP	Is the refuse disposed of regularly and properly?		~			
WMP	Are burning of refuse at site and dumping at sea prohibited?		\checkmark			
	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	\checkmark			
ем&л: Ез	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		\checkmark			
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?		\checkmark			
	Storage, collection and transportation of waste		L			
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?					
	 public fill materials for on-site reuse, or disposal at public filling area; 					
	(2) reusable / recyclable materials;	\checkmark				·····.
	(3) un-reusable / non-recyclable waste for landfill disposal.		\checkmark			
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		\checkmark			

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off		L	L		l <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?	~				· · · · · · · · · · · · · · · · · · ·
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?	\checkmark	J			
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?	\checkmark				
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				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?					
	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?	\checkmark				

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 scawall 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 : Cl	Are working programmes sched	uled to minimize noise nuisance?		~			
EM&A: Cl	Are construction works or equip nuisance?	ment sited to minimize noise		\checkmark			
EM&A: Cl	Are all plant and equipment main conditions?	ntained in good operating		\checkmark			
EM&A: C1/GP	Is idle equipment turned off or th	nrottled down?		\checkmark			
EM&A: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		~			
EM&A: C1)	Are construction works carried o nuisance?		\checkmark				
EM&A: C2	holidays, is either one of the folle a) Mitigation by portable noise	itigate construction noise during Sunday's and public ays, is either one of the following measures adopted? Mitigation by portable noise barriers at noise sources or Rescheduling of some powered mechanical equipment to less sensitive time periods?					
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle						
NCO	Are valid construction noise perrinspection?	nits, if required, available for	~				÷
NCO	Are conditions of construction no relevant part(s) of the works imp	~				<u></u>	
NCO	Are valid noise emission labels fi held percussive breakers?					•.	
	Major noise source(s)			site			ies inside the
	•	Construction activities outside the site		thers			

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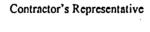
Abbreviation

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

Remark

Signatures

ET Member



(Name in Block letters: (Name in Block letters: W.G U (_

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

Inspection date	21/9/	2005 Time	10:40	Inspected	By ET:	YMC	
Site	U q	LMXN	lech Erection	h.	Contra	actor: Ale	Chan_
Weather							
Condition	Survey	Fina		Hary	Drizz'	• 🔄 Rain	Stim
Temporature	2]•c	Humid	ity 📈 High	Moderate	Low		
Wind	Caira	🛄 Light	Breeze	Strong			

GENERAL

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update flavironments! Permit been displayed at all vehicular site estrances/exits for public information?		\checkmark			
VIP 1.6	Is a copy of ELA report kept in Engineers' and Contractors' offices on site?		\checkmark			

ATR QUALITY

Ref.	Cherklist Condition	N/A	Yes	Ne	Link	Remarks
	General Requirements					
CapJ11R: J	Has the contractors socilised EPD of the construction site which is classified as a mulfiable work is a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	1				
Cap311Rr Sch 12(3)	A compressed sir jet shall not be used for eleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		\checkmark			
CapJ11	Do the contractors possess velid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?					
	Censtruction Sites	·	<u>.</u>			
EM&A : - Aj	Are head reads pared with concrete or sprayed with water to keep the entire road wat?		1			it my by
	Stockpiling of dusty materials					
Cap311R: Sch 18	Are stockpiles of dasty materials entirely covered with impervious about or aboltered on the top and 3 sides or sprayed with water to related as the entire surface wet to prevent dust estission?	\checkmark				

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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?	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?	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?	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?					:
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?		\checkmark			Cleaning provided by py
	Transfer of dusty materials using a belt conveyor system	I				
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	·	I	l.	ł	
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?		ł			
Cap3110	Is open burning prohibited?		V,			
Cap311	Is black smoke emission from plant/equipment avoided?		1			

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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?	\checkmark				•
EM&A: E3	Are wastes disposed of at licensed sites?	\square				
	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?	1				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	\bigvee				
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?	V			•	
	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?		\square			
WMP	Is the refuse disposed of regularly and properly?					
WMP	Are burning of refuse at site and dumping at sea prohibited?		12		I	
•	Chemical Waste		1			·
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			

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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"?		J				
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?		V				
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?						
	 public fill materials for on-site reuse, or disposal at public filling area; 	1					
	(2) reusable / recyclable materials;	\Box					
	(3) un-reusable / non-recyclable waste for landfill disposal.		J				
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?	\bigvee				•.		
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?	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?							
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		1					
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?	\bigvee				

MARINE ECOLOGY

Reſ	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 scawall 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 schedu		/				
EM&A: Cl	Are construction works or equipr nuisance?		1				
EM&A: Cl	Are all plant and equipment main conditions?					· · · · · · · · · · · · · · · · · · ·	
EM&A: C1/GP	Is idle equipment turned off or th	prottled down?		J			
EM&A: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		\checkmark			
EM&A: C1)	Are construction works carried o nuisance?		1				
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 permisspection?		ノ			÷	
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 fi held percussive breakers?	ixed at air compressors and hand			<i></i>		•
	Major noise source(s)			Constru site Others		activi	ies inside the

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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 (Cons	struction Site I	Drainage)
Unk:	Unknown		

Remark

ET Member

Signatures

Contractor's Representative

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IEC's Representative This site inspection was carried out in the presence of IEC's representative

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(Name in Block letters: $\bigvee M (him)$

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(Name in Block letters: Plan Chan)

Name i

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

Inspection date	29 Sep 05 Time 09:30 Inspected By ET: W. STN (HEC)
Site	LMX-U9 Med. Exection Area.
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature 2	•C Humidity High Moderate 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?		\checkmark			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		\checkmark			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	4	L	J]		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?	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	4	L	·	L—	
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		~			Spraying by P-T
	Stockpiling of dusty materials					5
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?	~				

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)			à		······································
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	4	L,	L		4 <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?	~				
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?		~			Cleaning Rivided Ru P.Y.
<u></u>	Transfer of dusty materials using a belt conveyor system					3
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?	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?	~				
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?	~		+		
	Are all the conveyor transfer points totally enclosed?	+	+	-	+	+

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous	·	····	L	·	L
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	\checkmark				
Cap3110	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	1	4			·
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?	V				
	Construction Waste and Excavated Materials					<u></u>
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		.	- d		
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		\checkmark			
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?		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?	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?		V			
	Storage, collection and transportation of waste				L	**
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		\checkmark			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	 public fill materials for on-site reuse, or disposal at public filling area; 	~				
	(2) reusable / recyclable materials;	\checkmark				
<u> </u>	(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?		\checkmark			

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?	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 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?	~				
<u> </u>	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?	\checkmark				

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: Gl	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	led to minimize noise nuisance?		\mathbf{x}			
EM&A: Cl	Are construction works or equipr nuisance?	nent sited to minimize noise		V			
EM&A: C1	Are all plant and equipment main conditions?	itained in good operating		\checkmark			
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?	1	~			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise					
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 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 imp		~				
NCO	Are valid noise emission labels f held percussive breakers?	ixed at air compressors and hand					
	Major noise source(s)	Traffic Construction activities		Constr site Others		n activi	ties inside the
		outside the site		Juers	•		

Abbreviation

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VEP: WMP: Cap311R: Cap311O: Cap311: PN1/94: Unk:	Varied Environmental Permit Waste Management Plan APC (Construction Dust) Regulat APC (Open Burning) Regulat Air Pollution Control Ordinan Practice Note for Professional Unknown	gulation ion	WDO:	EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Drainage)
Remark	n an	a an		
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Signatures				
ET Member	Contrac	ctor's Representativ	re	

AName in Block letters:

W.SIU ___)

(Name in Block letters:

W. F. Kwak)

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

Inspection date	7 SEP 2005 Time 09: 20 hrs Inspected By ET: 7.	F. CHIN / P. DZ- tor: PETCH CHENG / SANKO
Site	LMX - 19 Electrical Greating Area	<u>.01. PETAR CHENG / S</u> ANKO
Weather	/	
Condition	Sunny Fine Overcast Hazy Drizzle	Rain Storm
Temperature	PC Humidity High Moderate 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?		\checkmark		······································	
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		7			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	1	1	.C	1	<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?	\checkmark				
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?	\checkmark				
	Construction Sites		<u>e</u>		E	L
EM&A : Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark			Water Spraw Provided B
	Stockpiling of dusty materials					C
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?	/				
	den en e		1	<u> </u>	E	

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					- <u>, au , a</u> u <u>, a</u> u
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?	5				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	J				
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?	/				<u></u>
	Loading, unloading or transfer of dusty materials			1 1		I
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?	7				
	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?		\checkmark			Wheel Wed Provided by
	Transfer of dusty materials using a belt conveyor system			l		The act of
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?	5				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	\checkmark				
	Concrete batching plant			. J		
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	\checkmark				
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?	2				
		· /				

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?		~			
Cap311	Is black smoke emission from plant/equipment avoided?					

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks				
	Dredged Materials	•		4	•	·				
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?	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?	~								
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?	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?	1								
	General refuse									
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		\checkmark							
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		v							
WMP	Is the refuse disposed of regularly and properly?		~							
WMP	Are burning of refuse at site and dumping at sea prohibited?		\checkmark	1	l					
	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)?	\checkmark								

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?	V						
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?	J-						
	Storage, collection and transportation of waste							
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		\overline{v}					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	~						
	 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?	\checkmark						

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off	1				
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?	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				
	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?					

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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?	J				
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?	\checkmark				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes schedu	uled to minimize noise nuisance?		V			
EM&A: Cl	Are construction works or equip nuisance?	ment sited to minimize noise		v			
EM&A: Cl	Are all plant and equipment main conditions?	ntained in good operating		1			
EM&A: C1/GP	Is idle equipment turned off or th	idle equipment turned off or throttled down?					
EM&A: Cl	Are methods of working devised nuisance?		v				
EM&A: C1)	Are construction works carried o nuisance?		V				
EM&A: C2	holidays, is either one of the folle a) Mitigation by portable noise) Rescheduling of some powered mechanical equipment to less					
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		v				
NCO	Are valid construction noise perr inspection?	nits, if required, available for	1				
NCO	Are conditions of construction no relevant part(s) of the works imp		V				
NCO	Are valid noise emission labels fixed at air compressors and han held percussive breakers?		V		<u>.</u>		
		Traffic		Consti site	ructio	n activ	ities inside the
	Major noise source(s)	Construction activities outside the site	Others				

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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 (Const	truction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

CHINTON FY) POE-

(Name in Block letters: <u>NoTan (Mām)</u>

SANKO.

12th January 2005

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

Inspection date	4.529-2055 Time 7:15 hrs. Inspected By ET: 77. CHILL /PRE- Contractor: PETER CHIENG SAMA	
Site	LMX - LJ Heetrical Erection Area	20
Weather		
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm	
Temperature 30	C Humidity High Moderate 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?	<u></u>	V			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		\checkmark			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements		. <u></u>		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?		-			
Сар311R: 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			
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		*******	
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark			When Sparts
	Stockpiling of dusty materials		i			0
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?					
				_ I		

	Checklist Condition	N/A	Yes	No	Ųnk	Remarks
	Cement and dry pulverized fuel ash (PFA)	-	-	-		· · · · · · · · · · · · · · · · · · ·
Cap311R:	Are the storage silos for cement or dry PFA prevented from					
Sch 15(3)	overfilling?	\int				
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?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	J				
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			1		
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	\checkmark		Ť		
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	\checkmark				
	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:	Is every vehicle wheel-washed by the wheel washing facilities to		1			Whee Wood
Sch 21(1)	remove any dusty materials from its body and wheels before leaving the construction site?		\checkmark			Whee Wad Prareled By
	Transfer of dusty materials using a belt conveyor system			<u>t</u> . 1		0
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	\checkmark	,			
.,						
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	5				
Cap311R:		-				
Cap311R: 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	-				
Cap311R: Sch 20(2) 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	5				
Cap311R: 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?	5				
Cap311R: 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 	S S S S				
Cap311R: 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 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 	5 5 5 5				

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?		\checkmark			
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?	\checkmark				
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?	\checkmark				
	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?	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?	\checkmark				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	~				
EM&A: E3	Are wastes disposed of at licensed sites?	V				
	General refuse	h				
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?		1			
WMP	Are burning of refuse at site and dumping at sea prohibited?		V	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)?	J				

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?	V						
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?	\checkmark				<u></u>		
	Storage, collection and transportation of waste							
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		\checkmark					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	V						
	 public fill materials for on-site reuse, or disposal at public filling area; 							
<u>2008 200</u>	(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?	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?	\checkmark				
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?	\checkmark				
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?	\checkmark				
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	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?	\checkmark				
	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: Gl	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?	\checkmark				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes schedu	led to minimize noise nuisance?		V			
EM&A: Cl	Are construction works or equipr nuisance?	nent sited to minimize noise		V			
EM&A: Cl	Are all plant and equipment main conditions?	ntained in good operating		V			
EM&A: C1/GP	Is idle equipment turned off or th	idle equipment turned off or throttled down?		1			
EM&A: Cl	Are methods of working devised nuisance?	Are methods of working devised and arranged to minimize noise nuisance?					
EM&A: C1)	Are construction works carried o nuisance?	Are construction works carried out in a manner to minimize noise nuisance?					
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?	owing measures adopted?		1			
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		V				
NCO	Are valid construction noise perm inspection?	nits, if required, available for	\checkmark				
NCO	Are conditions of construction no relevant part(s) of the works imp		1				
NCO	Are valid noise emission labels fi held percussive breakers?	ixed at air compressors and hand	\bigvee				
	Major poice compact?	Traffic	Ø	Const site	ructio	, n activ	ities inside the
	Major noise source(s)	Construction activities outside the site		Other	s		

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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 (Cons	truction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

CHILL TOI FU) PØC

(Name in Block letters: <u>PETER CHEUG)</u> SHNKED

12th January 2005

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

Inspection date	HSEP 2005 Time 10:40 hrs Inspected By ET: T.F. Chill / PDE Contractor: C.H.LO /SARKO
Site	[MX-L] Electrical Bratis Arec
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	Humidity / High Moderate Low
Wind	Calm C 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 QUALITY

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					•
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		V			Note Spray
	Stockpiling of dusty materials					б
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)		1	r		
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?	1				
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?	レ				
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?					<u>t</u>
	Use of vehicles		<u> </u>			·
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?		/			Vheel Wish Provided by
	Transfer of dusty materials using a belt conveyor system	•••••				0-
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	5				
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?	1				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	v				
<u></u>	Concrete batching plant	r I				<u>.</u>
EM&A:	Are the loading, unloading, handling, transfer or storage of any					
A2	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?	~				
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?	tł				

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?					
Cap311O	Is open burning prohibited?		\checkmark			
Cap311	Is black smoke emission from plant/equipment avoided?		~			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	1	1		1	
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	U				
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?	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?	J				
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?	~				
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?		v			
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?		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)?	J				

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?	V				
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	Ь				
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	\checkmark				
	Storage, collection and transportation of waste					
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		J			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	V				
	 (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?	\checkmark				

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?	\checkmark				<u> </u>
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?	V				
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>			
PN1/94	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?	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?	V				

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"?	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 : C1	Are working programmes schedu	iled to minimize noise nuisance?		~			
EM&A: Cl	Are construction works or equipt nuisance?	ment sited to minimize noise		V			
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: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		v			1017 - 41
EM&A: C1)	Are construction works carried o nuisance?	Are construction works carried out in a manner to minimize noise nuisance?					
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?	owing measures adopted?					
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		V				
NCO	Are valid construction noise perr inspection?	nits, if required, available for	2				
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		/			
	Main min ann (2)	Traffic	Ø	Consti site	ructio	n activ	ities inside the
	Major noise source(s)	Construction activities outside the site		Others	s		

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
Cap311O:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		
PN1/94:	Practice Note for Professional Persons (Con	struction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

IEC's Representative This site inspection was carried out in the presence of IEC's representative

(Name in Block letters:

CHIUTOIFU)

PDG

(Name in Block letters:

C.M. Lo ____)

SANKO,

Name in Bl tters:) No

12th January 2005

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

Inspection date	28 Lef 2015 Time 13: rohr. Inspected By ET: Ju MU W.L.U. Contractor: Saake.	-
Site	LMX-LY Electrical Englin Bra	_
Weather		-
Condition	Sunny Fine Overcast Hazy Drizzle Rain Sto	rm
Temperature 2	°C Humidity High Moderate 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?		~			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	1			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?	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?		\checkmark			
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	1	I			1
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		1	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?	/				

 $Page \ 1 \ of \ 7 \\ C:\Documents \ and \ Settings\pde6352\Local \ Settings\Temporary \ Internet \ Files\OLK9B\chklst_rv1b.doc$

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	L.,,		I	L	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?	V				
	Loading, unloading or transfer of dusty materials			i	L	
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?	~				
	Use of vehicles	<u>I</u>		L		
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	<i></i>			
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?		V			hy Paul Y
	Transfer of dusty materials using a belt conveyor system	II		L I		
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?	\checkmark				
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?	V				
	Concrete batching plant	LL		L 1		
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	\checkmark				
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: A2	Are all the conveyor transfer points totally enclosed?	1				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous			4		
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	. I				
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?	レ				
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?	1				
EM&A: E3	Are wastes disposed of at licensed sites?	1				
	General refuse	1		J		L
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?	V				
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			L		I
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		u			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	V				
	 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	. L				
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?	5				
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?		r			
	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?	V				

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"?	L				
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	uled to minimize noise nuisance?		V			<u> </u>
EM&A: C1	Are construction works or equip nuisance?	ment sited to minimize noise		~			
EM&A: C1	Are all plant and equipment main conditions?	ntained in good operating		V			
EM&A: C1/GP	Is idle equipment turned off or th	dle equipment turned off or throttled down?					
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		1			1
EM&A: C1)	Are construction works carried on nuisance?	Are construction works carried out in a manner to minimize noise nuisance?					
EM&A: C2	holidays, is either one of the folloa) Mitigation by portable noise	b) Rescheduling of some powered mechanical equipment to less					
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		~				
NCO	Are valid construction noise perr inspection?	mits, if required, available for	1				
NCO	Are conditions of construction no relevant part(s) of the works imp		1				
NCO	Are valid noise emission labels f held percussive breakers?	1					
	Moion noise compacted	🗆 Traffic	₽⁄C	onstru site	ction	activit	ies inside the
	Major noise source(s)	Construction activities outside the site		thers			

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
Cap311O:	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

IN

(Name in Block letters:

T.H.LAU 0.6.4

Name in Block letters:

12th January 2005

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

Inspection date	9/9/05 Time 10:00 Inspected by ET: CK WONG Contractor: J-POWER SESTEMS
Site	ONTSIDE LANDING POINT 4 & NJ
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	29°C Humidity High Moderate Low
Wind	Calm Light 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?		\checkmark			

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?	\checkmark				
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?	\checkmark				
	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?	\checkmark				
	Use of vehicles	1		1		L
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	\checkmark				
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	\checkmark				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?	\checkmark				
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?		\checkmark			
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?	~				
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"?	\checkmark				

MARINE ECOLOGY

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?	5				

- ----

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?	~				
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: 01	Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species <i>Celtis biondii</i> , <i>Pteris dispar</i> and <i>Ardicia pusilla</i> , and the restricted plants <i>Vitis balansaeana</i> , <i>Pterospermum heterophyllum</i> and <i>Rhapis excellsa</i> ?		\checkmark				
EM&A: O2	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 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 preve boundary during construction? Is equipment provided in the work	s temporary fire fighting	\checkmark				
		Traffic	Construction activities insid				ities inside the
	- Major noise source(s)	Construction activities outside the site		Other	<u> </u>		

Abbreviation

VEP:	Varied Environmental Permit	EM&A: EM&A Manual (Construction Phase)
Cap311R:	APC (Construction Dust) Regulation	NCO: Noise Control Ordinance
Cap3110:	APC (Open Burning) Regulation	Cap354: Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance	Cap354c: WDO (Chemical Waste) (General) Regulation
Cap466:	Dumping at Sea Ordinance	Unk: Unknown

Remark

N/A

Signatures

ET Member

Contractor's Representative

(Name in Block-letters:

CK WanG)

(Name in Block letters: NERRY YUZN

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

Inspection date	16/09/2001 Time 11:00 Inspected by ET: K.W. YuwCy
Site	QUÍSIDE LATYDING POINÍ II &NS
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	Bo °C Humidity High Moderate 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 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?		\checkmark			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	General Requirements	·		•		Ly			
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?	\checkmark							
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?	\checkmark							
	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?	\checkmark							
	Use of vehicles	L	L			.			
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	J							
	Miscellaneous	•	L	I		- · ·			
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	\int							

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	L		1		L
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?					
	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?	J				
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)?	J				
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"?	/				

MARINE ECOLOGY

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?	\checkmark				

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				<u></u>
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	\checkmark				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	\bigvee				

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks	
EM&A: 01	monitored to avoid impact on the species Celtis biondii, Pteris dis]					
EM&A: 02	in good condition along the bour prevent tipping, vehicle moveme	ents, and encroachment of areas, particularly where the rare,	5					
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	1					
EM&A: Q4	Is open fire prohibited and preve boundary during construction? I equipment provided in the work	s temporary fire fighting	/					
		Traffic	Ø	Construction activities inside th				
	Major noise source(s)	Construction activities outside the site		Other	s			

Abbreviation

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

Remark 2 N/A

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

K.W.YUNG)

(Name in Block letters: THEN <u>BERRY</u>

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

Inspection date	23/9/05 Time 10:00 Inspected by ET: CK WONG Contractor: J-POWERS/STEMS
Site	OUTSIDE GANDING POINT I & NJ
Weather	
Condition	Sunny Fine VOvercast Hazy Drizzle Rain Storm
Temperature	28°C Humidity High Moderate V Low
Wind	Calm Light Breeze Ustrong Typhoon Signal NO. 1

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			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	1		I		
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?	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. 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?	V				
	Use of vehicles	·		ا		
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	\checkmark				
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	\checkmark				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?	\checkmark				
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?		5			
	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		I			L
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				

MARINE ECOLOGY

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?	1				

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?	V				
NCO	Are valid construction noise permits, if required, available for inspection?	V				
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?	\checkmark				

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: 01	Are the construction activities at monitored to avoid impact on the species Celtis biondii, Pteris disp restricted plants Vitis balansaean and Rhapis excellsa?	V					
EM&A: 02	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 performed to ensure that the work site boundaries are not exceeded and that no damage occurs to surrounding areas?					
EM&A: Q4	boundary during construction? Is	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?					
		Traffic		Const site	ructio	n activ	ities inside the
	Major noise source(s)	Construction activities outside the site		Other	s		

Abbreviation

VEP:	Varied Environmental Permit
Cap311R:	APC (Construction Dust) Regulation
Cap3110:	APC (Open Burning) Regulation
Cap311:	Air Pollution Control Ordinance
Cap466:	Dumping at Sea Ordinance

EM&A:EM&A Manual (Construction Phase)NCO:Noise Control OrdinanceCap354:Waste Disposal OrdinanceCap354c:WDO (Chemical Waste) (General) RegulationUnk:Unknown

Remark

N/A

Signatures

ET Member

Contractor's Representative

(Name in Block letters) CKWOH()

(Name in Block letters:

BZRR TURN

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

Inspection date	30/9/05 Time 10:00 am Inspected by ET: CKWONG Contractor: J-POWER STREAMS
Site	Outside Landing Point II & N5
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	2. Humidity High Moderate 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 updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		\checkmark			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		\checkmark			

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?	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. 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								
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V							
<u> </u>	Miscellaneous								
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	V							

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	•			L	L
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?		V			
	Construction Waste and Excavated Materials			A		
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~			- I	
Cap354	Are wastes disposed of at licensed sited?	V				
	Chemical Waste			·		L
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"?	\checkmark				

MARINE ECOLOGY

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				

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?	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?	\checkmark				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	V				

- --

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: 01	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: 02	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?		v				
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?		~				
<u></u>		Traffic	वि	Const site	ructio	n activ	ities inside the
	Major noise source(s)	Major noise source(s) Construction activities outside the site			s		

Abbreviation

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

Remark

N/A

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

CK WanG

(Name in Block letters: YUEN, BERRY

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

Inspection date	Z/9/2005 Time 10:00 Inspected By ET: W.L. U/POE Contractor: S H SUEN /MENT
Site	LMX 275KV S/S ERECTION CONTRACT
Weather	/
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature 24	°C Humidity High Moderate 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?		\checkmark			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		\checkmark			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	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?	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?					
	Construction Sites					•
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			PROVIDE SPA PROVIDED L 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)	1				1
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?	\checkmark				
	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?	\checkmark				
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?		\checkmark			WHEEZ W PACILITIES PROVIDES -
						PAUL Y
	Transfer of dusty materials using a belt conveyor system					PANC Y
Cap311R: Sch 20(1)	Transfer of dusty materials using a belt conveyor system Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					parc y
	Are belt conveyors used for transfer of dusty materials covered on					PAUL Y
Sch 20(1) Cap311R:	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides? Is every transfer point between any two-belt conveyors totally	\ \ \ \				PAUL Y
Sch 20(1) Cap311R: Sch 20(2) Cap311R: Sch 20(3) Cap311R:	Are belt conveyors used for transfer of dusty materials covered on 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					PAUL Y
Sch 20(1) Cap311R: Sch 20(2) Cap311R:	Are belt conveyors used for transfer of dusty materials covered on 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					PAUL Y
Sch 20(1) Cap311R: Sch 20(2) Cap311R: Sch 20(3) Cap311R: Sch 20(4) EM&A:	 Are belt conveyors used for transfer of dusty materials covered on 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 mechanism to maintain the dropping height within 1 m? 					
Sch 20(1) Cap311R: Sch 20(2) Cap311R: Sch 20(3) Cap311R: Sch 20(4) EM&A: A2 EM&A:	Are belt conveyors used for transfer of dusty materials covered on 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 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:	Are belt conveyors used for transfer of dusty materials covered on 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 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?		\checkmark			
Cap311	Is black smoke emission from plant/equipment avoided?		\checkmark			<u></u>

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?	\checkmark				
	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?	\checkmark				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	\checkmark				
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?		\checkmark			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		\checkmark			
WMP	Is the refuse disposed of regularly and properly?		<i>\</i>			
WMP	Are burning of refuse at site and dumping at sea prohibited?					l
	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?		\checkmark			
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	.1	I <u></u>	L		L
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		\checkmark			
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?	1				

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off		•,,	L	J	
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	\checkmark				
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?	\checkmark				<u></u>
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm	<i>,</i>				
F1 11 /94	drains after the removal of silt in silt removal facilities?	$ \checkmark$				

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?					
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?	\checkmark				

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes schedu	uled to minimize noise nuisance?		\checkmark			
EM&A: C1	Are construction works or equipanuisance?	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 the	nrottled down?		ノ			
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				\checkmark			
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	\checkmark				
	Major noise source(s)	Traffic	Construction activities inside the site		ties inside the		
		Construction activities outside the site		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
Cap311O:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		
PN1/94:	Practice Note for Professional Persons (Cons	truction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

W-L.LI,

(Name in Block letters:

SHSUGN,

12th January 2005

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

Inspection date	9/9/	∽≂ _ Time	10:00	Inspected	By ET: W. L. 4 / POB Contractor: SH SUBJ/METIK
Site	LMX 2	25/cV s/s	FREOTON C	TRACT	COMMISSION SUBSITIES
Weather					
Condition	Sunny	Fine	Overcast	Hazy	Drizzle Rain Storm
Temperature]°C	Humidi	ty 📝 High	Moderate	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?		\checkmark			

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site which is there is any f the change?	/				
clearing dust on. Is this					
ol Specified herever					
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vater to keep		\checkmark			PROVIDED PROVIDED PAUL Y
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th impervious with water to on?					
	there is any f the change? clearing dust on. Is this of Specified herever vater to keep th impervious with water to	there is any f the change? clearing dust on. Is this of Specified herever vater to keep th impervious with water to	there is any f the change? clearing dust on. Is this of Specified herever water to keep	there is any f the change? f the change? f clearing dust on. Is this of Specified herever water to keep	There is any f f the change? f r clearing dust f on. Is this f ol Specified f herever f water to keep f th impervious f with water to f

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?	\checkmark				
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?	\checkmark				
	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?					HALLY
	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?	\checkmark				
	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?	ノ				
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?	\checkmark				
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?	\checkmark				
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?	\checkmark				
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?	\checkmark				
EM&A: E3	Are wastes disposed of at licensed sites?	\checkmark				
	General refuse			•		
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		\checkmark			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			
WMP	Is the refuse disposed of regularly and properly?		\checkmark	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?		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			E		
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		<i>\</i>			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?		ĺ			
	 (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?	1				
	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: 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?					

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes scheduled to minimize noise nuisance?			\sim			
EM&A: Cl	Are construction works or equip nuisance?	Are construction works or equipment sited to minimize noise nuisance?					
EM&A: Cl	Are all plant and equipment maintained in good operating conditions?			\checkmark			
EM&A: C1/GP	Is idle equipment turned off or th	nrottled down?		\checkmark			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		\checkmark			
EM&A: C1)	Are construction works carried o nuisance?		\checkmark				
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 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)	Traffic	Construction activities inside the site		ties 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)
Cap311R:	APC (Construction Dust) Regulation	NCO:	Noise Control Ordinance
Cap311O:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		
PN1/94:	Practice Note for Professional Persons (Cons	truction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

W.L. U)

(Name in Block letters: SHSUGA,

12th January 2005

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

Inspection date	16/9/2	Jor Time	10:00	Inspected	By ET: 1	1. L. L	/POE SUEN/MENK
Site	LMX >	75 KU 5/5	FRBJIN C	TRACT	Connac	101. <u>5 P</u>	<u>348~/M</u> P4K
Weather	/						
Condition	Sunny	Fine	Overcast	Hazy	Drizzle	Rain	Storm
Temperature]°C	Humidi	ty 🔄 High	Moderate	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?		\checkmark			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	1				t
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?	\checkmark				
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	1		F	1
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					WATER SP. PROVIDED PAULY
	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)	·		1	1	-
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	\checkmark				
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?	\checkmark				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	\checkmark				
	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?	\langle				
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?		/			PACINTIA PROVIDED 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?	/				
		t				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/			-	
		/				
	mechanism to maintain the dropping height within 1 m?	\ \				
Sch 20(4) EM&A:	mechanism to maintain the dropping height within 1 m? Concrete batching plant Are the loading, unloading, handling, transfer or storage of any	ノ ノ ノ				
Sch 20(4) EM&A: A2 EM&A:	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	ノ ノ ノ ノ				

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?	\checkmark				
Cap3110	Is open burning prohibited?					
Cap311	Is black smoke emission from plant/equipment avoided?		\checkmark			

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?	\checkmark								
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?	\checkmark								
	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?		\checkmark							
WMP	Are burning of refuse at site and dumping at sea prohibited?		\checkmark							
	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?		\checkmark			:
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?		\checkmark			
	Storage, collection and transportation of waste	ł			I	
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		$\overline{\checkmark}$			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	/				
	 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?	\checkmark				

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?	\checkmark				
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?					
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	$\overline{\checkmark}$				

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?	\checkmark				

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?					

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes schedu	iled to minimize noise nuisance?		\checkmark			
EM&A: Cl	Are construction works or equipr nuisance?	nent sited to minimize noise		/			
EM&A: Cl	Are all plant and equipment mair conditions?	ntained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?		\checkmark			
EM&A: C1	Are methods of working devised nuisance?		/				
EM&A: C1)	Are construction works carried o nuisance?		\checkmark				
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? 		7				
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	/				
NCO	Are conditions of construction no relevant part(s) of the works impl		/				
NCO	Are valid noise emission labels fi held percussive breakers?	ixed at air compressors and hand					
	Major noise source(s)	Traffic	Construction activities inside the site				
	124jvi noise svoree(s)	Construction activities outside the site		Others	. <u></u>		· · · · · · · · · · · · · · · · · · ·

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
Cap311O:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		
PN1/94:	Practice Note for Professional Persons (Const	ruction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters: $\mathcal{U} \cdot \mathcal{L} \cdot \mathcal{U}$)

(Name in Block letters: <u>S 4 SVEN</u>)

12th January 2005

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

Inspection date	21/9/2005 Time 10:40 hrs Inspected By ET: W. L. L. / POE Contractor: SH SHEN/MENK
Site	LMX 275KU S/S EPRETTEN CONSTRACT
Weather	/
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature 30]°C Humidity High Moderate 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?		\checkmark			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		\checkmark			

AIR QUALITY

Checklist Condition	N/A	Yes	No	Unk	Remarks
General Requirements	1		I		
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	1			· · · ·	
Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					PROVIDED PROVIDED
Stockpiling of dusty materials					· 1
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?					
	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 the entire road wet? 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	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 the entire road wet? 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	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 the entire road wet? 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	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 the entire road wet? 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	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 the entire road wet? 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

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?	\checkmark				
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?	\checkmark				
	Loading, unloading or transfer of dusty materials	•		1		
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			J		•
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?		\checkmark			WHEREZ W FACILITIES PROVIDED
	Transfer of dusty materials using a belt conveyor system			I		(
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:	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
A2				1		· · · · · · ·
A2 EM&A: A2	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?	\checkmark				
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?		\checkmark			
	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?					
	 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?	~				
	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	\bigvee				

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?	/				
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	led to minimize noise nuisance?		1			
EM&A: C1	Are construction works or equipr nuisance?	nent sited to minimize noise		/			
EM&A: C1	Are all plant and equipment mair 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?	and arranged to minimize noise		/			
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 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 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?	ixed at air compressors and hand					
	Major noise source(s)	Traffic	R.	Construction activities inside the site			
	איזעגענענגע איזענענגע איזענענגע	Construction activities outside the site		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
Cap311O:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		
PN1/94:	Practice Note for Professional Persons (Const	ruction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

W.L.G.)

(Name in Block letters:

5 HSIGN)

IEC's Representative This site inspection was carried out in the presence of IEC's representative

Name in Block Letters:) (N= \bigcap

12th January 2005

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

Inspection date	2//9/2005 Time 10-00 Inspected By ET: 2. C. C. / POE Contractor: 5 H Subar / MEH/C
Site	LMX 275KU S/S ERRETAN CONTRACT
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature 🔀	
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?		\checkmark			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	1	.	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?	\checkmark				
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		1		A
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					PROJ. POS
	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)	<u>ب</u>		L		1
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?		<u>.</u>			
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?		\checkmark			WHEEL W FACILITIE PROVIDED PRUL 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?	\checkmark				
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?	\checkmark				
	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?	1				
EM&A: A2	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?	\checkmark				
Cap3110	Is open burning prohibited?		$\overline{\checkmark}$			
Cap311	Is black smoke emission from plant/equipment avoided?		\checkmark			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					L
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?	\checkmark				- -
EM&A: E3	Are wastes disposed of at licensed sites?	\checkmark				
	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?	\checkmark				
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?					
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?		\checkmark	,		
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		<i></i>			
WMP	Is the refuse disposed of regularly and properly?		\mathcal{I}			
WMP	Are burning of refuse at site and dumping at sea prohibited?		\checkmark			
	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)?	\checkmark				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?		\checkmark	•		
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?		1			
	Storage, collection and transportation of waste	<u></u>	ſ	•	1	Ł
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?	V				
	 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?	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?					
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?	\checkmark				
	Groundwater	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					
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?	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?	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 sched	uled to minimize noise nuisance?		\checkmark			
EM&A: C1	Are construction works or equip nuisance?	ment sited to minimize noise					
EM&A: C1	Are all plant and equipment mai conditions?	ntained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or t	hrottled down?		\bigtriangledown			
EM&A: C1	Are methods of working devised nuisance?	l and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried on nuisance?	out in a manner to minimize noise		\checkmark			
EM&A: C2							
EM&A: C3	To mitigate night time construct equipped with silencers or muff	tion noise, is dredging equipment lers?	/				
NCO	Are valid construction noise per inspection?	mits, if required, available for					
NCO	Are conditions of construction r relevant part(s) of the works imp						
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand				:	
	Major poice cource(c)	Traffic	Ø	Constr site	uctio	n activ	ities inside 1
	Major noise source(s)			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
Cap311O:	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

C

(Name in Block letters:

W.L.M.

(Name in Block letters:

8 HSUBA)

12th January 2005