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	2/11/0	S Time	10:00	Inspected	By ET: Carry Wong Contractor: Part Y - Rings Wong
Site	LMX-	Superstu	iture		Contractor: Part 12 Ruys Wong
Weather					
Condition	Sunny	Fine	Overcast	Hazy	Drizzle Rain Storm
Temperature		Humidity			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?		./	ł		
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
	Construction Sites					
EM&A : Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			
	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)	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	L				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					·
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?		/			
	Transfer of dusty materials using a belt conveyor system	I	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&Л: Л2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/				· · ·
ЕМ&А: А2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/		1		
		1 1		1		

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Ref.	Checklist Condition	N/Å	Yes	No	Unk	Remarks
	Miscellaneous					
Cap311R: Seh 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

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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?	1				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	1/				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		/			
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?	7				
	General refuse	<i>e</i> -				
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?		1			
WMP	Are burning of refuse at site and dumping at sea prohibited?	1	\Box			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)?	/	ĺ			

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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?	/						
ЕМ&А: Е4	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?	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; 							
	(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

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

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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?			į		

MARINE ECOLOGY

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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

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes schedu	iled to minimize noise nuisance?		1		<u> </u>	
EM&A: C1	Are construction works or equipa nuisance?	ment sited to minimize noise		1			······································
EM&A: C1	Are all plant and equipment main conditions?	ntained in good operating		/			
EM&A: CI/GP	Is idle equipment turned off or the	nrottled down?		1			
EM&A: Cl	Are methods of working devised nuisance?						
EM&A: C1)	Are construction works carried on uisance?		1				
EM&A: C2				/			
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		1				
NCO	Are valid construction noise per inspection?	mits, if required, available for		\langle			
NCO	Are conditions of construction no relevant part(s) of the works imp			1			
NCO	Are valid noise emission labels f held percussive breakers?	fixed at air compressors and hand	· .				
		Traffic		Const site	ructio	n activ	rities inside the
	Major noise source(s)	Construction activities outside the site		Other	s		

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Abbreviation

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WMP: Was	ried Environmental Permit ste Management Plan C (Construction Dust) Regulation	EM&A: NCO:	EM&A Manual (Construction Phase) Noise Control Ordinance
Cap311O: APC Cap311: Air PN1/94: Prace	C (Open Burning) Regulation Pollution Control Ordinance ctice Note for Professional Persons (Construc known	WDO;	Waste Disposal Ordinance

Remark

Nil

Signatures

ET Member

Contractor's Representative

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(Name in Brock letters: (Name in Brock 10.....

(Name in Block letters:

Wong Ho Hung)

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	 Time 12200	Inspected L	By ET: Larry Wong Contractor: Paul Y- Ringo ho	ng
Weather				
Condition	ine Overcast	Hazy	Drizzle Rain Storm	
Temperature	Humidity High	Moderate	Low	

Breeze Strong

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GENERAL

Wind

Calm Z Light

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?		/		•	

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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?		/			
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
	Construction Sites					
EM&A : Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			
	Stockpiling of dusty materials					
Cap311R: Seh 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	/				

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1. DEX EXCHANGE Emission Occubiatelikky in Color

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks		
	Cement and dry pulverized fuel ash (PFA)				·	I ,		
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?							
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	/						
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/						
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/						
	Loading, unloading or transfer of dusty materials	L	L		1	L		
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	/						
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	~						
	Use of vehicles	·						
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	I	L		L			
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?							
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	1						
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	1						
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?							
	Concrete batching plant							
ЕМ&Л: Л2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/						
ЕМ&Л: Д2	Are dusty materials. except cement and dry PFA, wetted by water spray system?	/						
	Are all the receiving hoppers enclosed on three (3)sides up to 3m			1	<u> </u>			
ЕМ&Л: Л2	above unloading point?	/						

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

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WASTE/CHEMICAL WASTE MANAGEMENT

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tef	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
VMP 2M&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
VMP 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?	\Box				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		K			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?			_	_	
WMP	Is the refuse disposed of regularly and properly?		4	,		
WMP	Are burning of refuse at site and dumping at sea prohibited?				1	
	Chemical Waste			T		
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)?	/				

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Ref	Checklist Condition	N/A	Yes	Ne	Unk	Remarks		
WDO	Has the Contractor been registered as a chemical waste producer?							
ЕМ&Л: ЕЗ	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	/						
ЕМ&л: 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; 	/				·		
	(2) reusable / recyclable materials;	1				- · ·		
	(3) un-reusable / non-recyclable waste for landfill disposal.	1						
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?							

WATER QUALITY

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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?	/				mm Balls & d
PN1/94	Are open stockpiles of construction materials (c,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?	-				

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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?		-			
	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

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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

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes sched	uled to minimize noise nuisance?	-		-		
EM&A: C1	Are construction works or equip nuisance?	ment sited to minimize noise		1			
EM&A: Cl	Are all plant and equipment mai conditions?	ntained in good operating		1			
EM&A: C1/GP	Is idle equipment turned off or t	hrottled down?		1			
EM&A: Cl	Are methods of working devised misance?		/				
EM&A: C1)	Are construction works carried on nuisance?		1				
EM&A: C2				/	· · ·		
EM&A: C3	To mitigate night time construct equipped with silencers or muff	tion noise, is dredging equipment lers?	1				
NCO	Are valid construction noise per inspection?	mits, if required, available for		/			
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 held percussive breakers?	fixed at air compressors and hand		/			
	Major noise source(s)	Construction activities		Const site Other		on activ	ities inside the
		outside the site		Utner	s		

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Abbreviation

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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 (Cor	struction Site	Drainage)
Unk:	Unknown		•

Remark

N:1

Signatures ET Member

Contractor's Representative

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(Name in Block lotters:

L. K. Wong)

(Name in Block letters:

Wong Ho Hong)

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	10/11/04	Time [1200	Inspected	By LT: lamy - Wong Contractor: Paul - 4 Y - Rings W	
Site	LMX-	Superstme	ture		Connactor. part - pengs D	ong
Weather						
Condition	Sunny	Fine	Overcast	Hazy	Drizzle Rain Storm	
Temperature \mathcal{P}		/		Moderate	Low	
Wind	Caim	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?		/		,	

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?		/		V	
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
· · · · · · · · · · · · · · · · · · ·	Construction Sites					
ЕМ&А : ЛІ	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?	/				

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	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	•••••		• • • • • •		
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?					
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	/				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials			1		L
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	/				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	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?	14				
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			I		L
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R:	Is every transfer point between any two-belt conveyors totally enclosed?					
Sch 20(2)		/				
Sch 20(2) 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(3) Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return	/				
Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting	1				
Cap311R: Sch 20(3) Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/ / /				
Cap311R: Sch 20(3) Cap311R: Sch 20(4) EM&A: A2 EM&A:	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	/ / / /				
Cap311R: Sch 20(3) Cap311R: Sch 20(4) EM&Л:	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					

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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?	/	r			
Cap311O	Is open burning prohibited?		1			
Cap311	Is black smoke emission from plant/equipment avoided?		/			

WASTE/CHEMICAL WASTE MANAGEMENT

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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?	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?		/			
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?		17			
	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?	/				
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	/				
ЕМ&Л: Е4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	/				
ЕМ&А: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	7				
	Storage, collection and transportation of waste		· · · · · · · · · · · · · · · · · · ·		L	I
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.	1				
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	/				1

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WATER QUALITY

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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?	/				r.
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	1.				
PN1/94	Are open stockpiles of construction materials (e.g., aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	1				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily scaled so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	/				

Page 4 of 7

T. DEN EXCHANGE Longer le Checklist Okist (Vandor

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

MARINE ECOLOGY

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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?	\bigtriangledown				

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes sched	uled to minimize noise nuisance?					
EM&A: CI	Are construction works or equip nuisance?	ment sited to minimize noise		/			
EM&A: C1	Are all plant and equipment main conditions?	ntained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or th	nrottled down?		/			
EM&A: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried on nuisance?	-	/				
EM&A: C2	To mitigate construction noise d holidays, is either one of the foll a) Mitigation by portable nois b) Rescheduling of some power sensitive time periods?		/				
EM&A: C3	To mitigate night time construct equipped with silencers or muffl	ion noise, is dredging equipment ers?	1		·		
NCO	Are valid construction noise per inspection?	mits, if required, available for		/			
NCO	Are conditions of construction n relevant part(s) of the works imp			/			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?			/			
	Major noise source(s)	Traffic	Ø	Const site	ructio	n activ	ities inside the
	wajor noise source(s)	Construction activities outside the site		Other	s		

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Page 6 of 7

E. DEN EXCHANGE Emisal less host productions instandor

Abbreviation

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WMP Waste Management Plan EM&A: EM&A Manual (Construction Phas	c)
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

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Signatures

ET Member

Contractor's Representative

(Name in Block letters: L.K. Work,

(Name in Block letters:

Nong He Hong)

11th November 2002

Page 7 of 7

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	The Hongkong Electric Co. Ltd Lamma Power Station Extension – Site Formation Superstructure Works Weekly Site Inspection Checklis	ı, Pili	ng W	'ork	s and	I	
Inspection - Site	date 23/11/05 Time 10:30 Inspecto	ed By	ET: Cont	La racto	ripow	Way LT-FR	- Ago
Veather							-
Condition Temperatu Wind	Sunny Fine Overcast Hazy are Overcast Hazy Calm Light Breeze Strong	e	Driz		R	ain Sto	רני
GENERAL							
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?						
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/				-1
	۰						
AIR QUAL Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
	General Requirements						
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		/				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/				
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/					
	Construction Sites	L	b	·		4	
	Are haul roads paved with concrete or sprayed with water to keep		/		[1	
EM&A : Al	the entire road wet?		Ľ				
			Ľ				-

Page 1 of 7

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 coment 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: Al	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?		/			
	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?	1				
Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates					
Sch 20(3)	or similar means to prevent falling of materials from the return belts?					
	or similar means to prevent falling of materials from the return					
Sch 20(3) Cap311R:	or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting					
Sch 20(3) Cap311R:	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(3) Cap311R: Sch 20(4) EM&A:	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(3) Cap311R: Sch 20(4) EM&Λ: Λ2 EM&Λ:	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					

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Ref.	Checklist Condition	NIA	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

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	.				Les
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				
EM&A: E3	Are wastes disposed of at licensed sites?					
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?					
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	/				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		/			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?		/			
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/				
EM&A: E3	Are wastes disposed of at licensed sites?					
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			
WMP	Is the refuse disposed of regularly and properly?		11			
WMP	Are burning of refuse at site and dumping at sea prohibited?		/			
	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?	7							
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 ^{**} ?								
ЕМ&Л: 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; 	1							
	(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?		<u> </u>						

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WATER QUALITY

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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?	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	/	ŧ			
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					
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?					
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?		/			

MARINE ECOLOGY

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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?	7				

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
ЕМ&л : С1	Are working programmes sched	uled to minimize noise nuisance?		/			
EM&A: C1	Are construction works or equip nuisance?	ment sited to minimize noise		/			
EM&A: CI	Are all plant and equipment mai conditions?	ntained in good operating		/	·		
EM&A: C1/GP	Is idle equipment turned off or t	hrottled down?		1			··
EM&A: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		/			······································
EM&A: C1)	Are construction works carried a nuisance?	out in a manner to minimize noise		7			······································
EM&A: C2	To mitigate construction noise of holidays, is either one of the fol a) Mitigation by portable nois b) Rescheduling of some pow sensitive time periods?		/				
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		/		-	
		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

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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

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Signatures ET Member

Contractor's Representative

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(Name in Block letters: L.K. Wa

(Name in Block letters:

Wong Ho Hom

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

Name in Bl Then

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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	32/11/	2Σ Time	10:30	Inspected	By ET: Carry Wong Contractor: Paul Y- Rings Wong
Site	LMX	-Superstru	ofme		Fair 1- Mys hung
Weather					
Condition	Sunny	Fine	Overcast	Hazy	Drizzle Rain Storm
Temperature 近	°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?					
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	.			L.,	·
ЕМ&А : Л1	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?	\bigvee				

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)			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	*******				* <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: Al	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?		/			
	Transfer of dusty materials using a belt conveyor system	.1		1		
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	1				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	1				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
	Concrete batching plant					
ЕМ&Л: Л2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	1				
EM&A: A2	Are dusty materials. except cement and dry PFA, wetted by water spray system?		Ì			
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	1				
ЕМ&А: Л2	Are all the conveyor transfer points totally enclosed?					

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

WASTE/CHEMICAL WASTE MANAGEMENT

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	• • • • • • • •				
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				
EM&A: E3	Are wastes disposed of at licensed sites?	1		\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?	7				· · · ·
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		1			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?		/			
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1				
EM&A: E3	Are wastes disposed of at licensed sites?	1				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		1			
WMP	Is the refuse disposed of regularly and properly?		1	1		
WMP	Are burning of refuse at site and dumping at sea prohibited?	1	1			
	Chemical Waste					
ем&л: Ез	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	/				

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?	1						
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	/						
ЕМ&Л: 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?	1						
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; 	7						
	(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?	/						

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WATER QUALITY

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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?	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?	7	<u> </u>			

TODEN EXCHANGE Longe le Checkber oblist evladed

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

MARINE ECOLOGY

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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?					

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NOISE

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : CI	Are working programmes scheduled to minimize noise nuisance?						
EM&A: Cl	Are construction works or equipa nuisance?	Are construction works or equipment sited to minimize noise nuisance?					
EM&A: Cl	Are all plant and equipment main conditions?	Are all plant and equipment maintained in good operating conditions?					
EM&A: C1/GP	Is idle equipment turned off or th	arottled down?					·
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?		7				
EM&A: C2	 To mitigate construction noise di holidays, is either one of the foll. a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods? 		/				
EM&A: C3	To mitigate night time construct equipped with silencers or muffl						
NCO	Are valid construction noise per inspection?	mits, if required, available for		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 the held percussive breakers?	fixed at air compressors and hand		/			
		Traffic	Ø	Const site	ructio	n activ	vities inside the
	- Major noise source(s)	Construction activities outside the site		Other	·s		

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EDENTIALITANO TIIWA REEDOPPORTIESE INTRODUC

Abbreviation

1 · 12.

A EP:	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	struction Site I	Drainage)
Unk:	Unknown		
		situation site	Janage)

Remark

<u>Ni</u>

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

arry Way

(Name in Block letters:

Wong the Hong

11th November 2002

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

Inspection date	3 Nov 2005	Time 67:30	Inspected I		
Site	LMX - Much.	Entrion Area		Contractor: W. 7.	KWOK (TOK)
Weather	n an		an a	nen an friedlich generalise af de land fan de friedlikk oppensen oan begede de de s	takto lakantaatko pung-ana daka pung
Condition	Sunny F	ine Overcas	t Hazy	Drizzle Rain	Storm
Temperature 2 [±]	Ŋ℃	Humidity 📈 High	Moderate	Low	
Wind		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	J	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?	~				
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				
	Construction Sites		L.,			
EM&A : Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark			Spraying
	Stockpiling of dusty materials	<u> </u>		(<u>1</u>		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?	~				

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	1				L
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	1		L		I
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?	~				
	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?		\checkmark			Clemy Ronderd By K.X.
	Transfer of dusty materials using a belt conveyor system	L		I		<u>ing r-c-</u>
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?	<u>\</u>				
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		ł.		I	
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?	<u> </u>				

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?	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?	~				
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?	1				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	V.				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	~				
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?		V			
WMP	Is the refuse disposed of regularly and properly?					
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)?					

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Ref	Checklist Condition	N/A	Yes	N0	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	<u>.</u>		L	·······	
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	 (1) public fill materials for on-site reuse, or disposal at public filling area; 	~				
	(2) reusable / recyclable materials;	1				
·····	(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

4

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off		4		1	· ·
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	V				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	~				
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?	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				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	V				

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

MARINE ECOLOGY

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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?	1				

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NOISE -

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes schedu			~			
EM&A: C1	Are construction works or equipm nuisance?	Are construction works or equipment sited to minimize noise nuisance?		~			
EM&A: C1	Are all plant and equipment maintained in good operating conditions?			/			
EM&A: C1/GP	Is idle equipment turned off or thr	ottled down?		1			
EM&A: C1	Are methods of working devised a nuisance?	and arranged to minimize noise		\checkmark			
EM&A: C1)	Are construction works carried ou nuisance?		V				
EM&A: C2	 To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? 			4			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		~				
NCO	Are valid construction noise perm inspection?	its, if required, available for	~				
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			
		🛛 Traffic	Ø	Consti site	uctio	n activ	ities inside the
	- Major noise source(s)	Construction activities outside the site		Others	6		

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Abbreviation

VEP: WMP: Cap311R: Cap3110: Cap311: PN1/94: Unk:	APC (Construction Dust) Regulation	NCO: WDO:	EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Drainage)
Remark		an a	₩₽₽₩₽₽₩₩₩₩₽₩₩₽₩₩₽₩₩₽₩₩₽₩₩₽₩₩₽₩₩₽₩₩₽₩₩₩₩₩
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<u> </u>			
Signatures	₩₩₩\$	i a suite a su	n an
ET Member	Contractor's Representat	ive	
LI MEMOR	Conclusion & Representation		
			·

(Name in Block letters: W.SIU)

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

Inspection date	10 Nov 03 Time 0 30 Inspected By ET: W. Sim (HEC)
Site	LMX - UG Mech. Freitin Anec.
Weather	
Condition	Sunny Fine Overcast Hazy 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?		$\overline{\mathbf{v}}$			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		\sim			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	1	-l			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?		~			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	~				
	Construction Sites	L				[
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		1			Spragny R. R.Y.
	Stockpiling of dusty materials		L	I		<u> </u>
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				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	1				I
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	L.,		L		
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	~				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	~				
	Use of vehicles	••				
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?					Clemy Ronded By K.C.
	Transfer of dusty materials using a belt conveyor system	L				<u>ing ier.</u>
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?	\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			I.	I	
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: 42	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	1				
EM&A:	Are all the conveyor transfer points totally enclosed?					

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

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	- -	L	1	L	I
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	$\overline{\checkmark}$				
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?	V				
	Construction Waste and Excavated Materials	J	L			L
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?	\sim				
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?	\checkmark				:
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	1				NT: (-T
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	$\overline{\mathbf{v}}$				
EM&A: E3	Are wastes disposed of at licensed sites?	\checkmark	-			
****	General refuse	<u>_</u>		II	I	······································
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)?		1			

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?		v			
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?		V			- <u></u>
	Storage, collection and transportation of waste					I
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;	\checkmark				
···· 4 9.1	(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		J	,,
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	$\overline{\mathbf{v}}$				<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?	\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?	~				
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					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	\checkmark				

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?		· · · · · · · · · · · · · · · · · · ·			

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?	~				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes sched	uled to minimize noise nuisance?		V			
EM&A: C1	Are construction works or equip nuisance?	ment sited to minimize noise		\checkmark			
EM&A: C1	Are all plant and equipment mai conditions?	ntained in good operating		\checkmark			
EM&A: C1/GP	Is idle equipment turned off or the	nrottled down?		1			·····
EM&A: C1	Are methods of working devised nuisance?		~			uinu,	
EM&A: C1)	Are construction works carried on nuisance?				1		
EM&A: C2	To mitigate construction noise d holidays, is either one of the foll a) Mitigation by portable nois b) Rescheduling of some power sensitive time periods?			\checkmark			
EM&A: C3	To mitigate night time construct equipped with silencers or muffl	ion noise, is dredging equipment ers?	V				
NCO	Are valid construction noise per inspection?	nits, if required, available for	~				
NCO	Are conditions of construction nerelevant 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 		site	uction	activit	ies inside the
		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		1
PN1/94:	Practice Note for Professional Persons (Cons	struction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

Sic W ز)

(Name in Block letters:

W.F. Knofr.

04/9012

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

Inspection date	7 Nov C	5 Time	0 /32	Inspected	By ET:	W. STU (HER)
Site	LHX - M	Lech. Enertin	Arec		Contractor:	$W, \underline{1}, \underline{K}_{w}, \underline{1}, 1$
Weather					an a	na a fan de f
Condition	Sunny [Fine	Overcast	Hazy	Drizzle	Rain Storm
Temperature 20]∘c	Humidit	y 🔄 High	Moderate	V 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	·				Lese
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				
	Construction Sites	-d		·	·	,
EM&A : Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			Spraying By D.Y.
	Stockpiling of dusty materials					<u> </u>
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				

	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?	~				
	Loading, unloading or transfer of dusty materials	<u> </u>				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: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?					
	Use of vehicles	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?	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?		7			Cleaning Arated By P.Y
	Transfer of dusty materials using a belt conveyor system			<u> </u>		5
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	1				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	~				
	every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return					
Sch 20(3) Cap311R:	every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting	\ \				
Sch 20(3) Cap311R:	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(3) Cap311R: Sch 20(4) EM&A: A2 EM&A:	 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(3) Cap311R: Sch 20(4) EM&A:	 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?	\checkmark				
Cap3110	Is open burning prohibited?		\checkmark	-		
Cap311	Is black smoke emission from plant/equipment avoided?		~			

WASTE/CHEMICAL WASTE MANAGEMENT

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					· · · · · · · · · · · · · · · · · · ·
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	V				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	\checkmark				
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?	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?	\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?	1				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		1			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		\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			

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"?		V			L
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; 	~				
	 reusable / recyclable materials; 	1				
	(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?		1			

WATER QUALITY

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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?	\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?	\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?	1				
	Greundwater					
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?	\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 manunals?	V				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	V				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	1				

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NOISE -

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

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Abbreviation

VEP: WMP: Cap311R: Cap3110: Cap311: PN1/94: Unk:	Varied Environmental Permit Waste Management Plan APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Practice Note for Professional Persons (Cons Unknown	EM&A: EM&A Manual (Construction Phase) NCO: Noise Control Ordinance WDO: Waste Disposal Ordinance struction Site Drainage)
Remark	nyada an ang dalamang dalaman ng bahanin na sa sa sang dalaman na ng	
<u></u>		
Signatures	₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	

ET Member

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Contractor's Representative

(Name in Block letters:

W.SIS)

(vame in Block letters: F. Kwik)

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

Inspection date	24 Nor	. 6 5 Tir	ne 09:30	Inspected	By ET: W.S. Contractor: W.	- (HFC)
Site	LMX-1	19 Much.	Fritten Ane]	Contractor: W	T. Knowly 7p.M
Weather			<u></u>			a na akaona akao n
Condition	Sunny	Fine	Overcas	Hazy	Drizzle Ri	ain Storm
Temperature	∑ °C	Hum	idity 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?		1			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements			J		
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?	\checkmark				
	Construction Sites	1		<u></u>		L
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		~			Sprign J By RT.
	Stockpiling of dusty materials	•				
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	!				
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	\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?	V				
Cap311R: Sch 17	Are the coment, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	\checkmark				
	Loading, unloading or transfer of dusty materials	L		<u> </u>		1 <u> </u>
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	~				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	1				
	Use of vehicles			•		· ·- ·-
Cap311R: Sch 21(2) EM&A: Al	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?		~			Cleanny Privilat Ry P.7.
	Transfer of dusty materials using a belt conveyor system		L	1		3
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?	~				
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?	~				
	Concrete batching plant					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	~				
	Are dusty materials, except cement and dry PFA, wetted by water					
EM&A: A2	spray system?	V				

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

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					•
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	\checkmark				
EM&A: E3	Are wastes disposed of at licensed sites?	\sim				
	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?	V				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?		1			
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)?		J			

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Ref	Checklist Condition	N/A	Yes	N0	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		I	<u>. </u>		L
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; 	~				
	 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

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	V				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	\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?	~				
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			<u> </u>	1	
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				[<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?	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?	4				
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?	J				

NOISE -

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes schedu	led to minimize noise nuisance?		/			
EM&A: Cl	Are construction works or equipr nuisance?		1				
EM&A: Cl	Are all plant and equipment maintained in good operating conditions?			/			
EM&A: C1/GP	Is idle equipment turned off or th		1				
EM&A: Cl	Are methods of working devised nuisance?		1				
EM&A: C1)	Are construction works carried or nuisance?		1				
EM&A: C2	To mitigate construction noise du holidays, is either one of the folic a) Mitigation by portable noise b) Rescheduling of some powe sensitive time periods?	wing measures adopted?]			
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 noise permits, if any, for the relevant part(s) of the works implemented accordingly?						
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand		1			
		🗆 Traffic	DØ (Constr site	uction	activi	ties inside the
	Major noise source(s)	Construction activities outside the site					

Abbreviation

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VEP: WMP: Cap311R: Cap3110: Cap311: PN1/94: Unk:	Varied Environmental PermitWaste Management PlanEM&A: EM&A Manual (Construction Phase)APC (Construction Dust) RegulationNCO: Noise Control OrdinanceAPC (Open Burning) RegulationWDO: Waste Disposal OrdinanceAir Pollution Control OrdinancePractice Note for Professional Persons (Construction Site Drainage)Unknown
Remark	
Signatures	
ET Member	Contractor's Representative

(Name in Block letters:

W.SIU)

(Name in Block letters:

W. F. Kwelk) ÷

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CAI- 04/9013

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

Inspection date	2 NOV 2005 Tim	c 09:20 Hz	Inspected By	ET: T.F. CHIM /PDZ	
Site	LMX -19 Hackza	1 Treates Area		Contractor: PETER CHENG	LSAVKO,
Weather	<u></u>	/	•		
Condition	Sunny Fine	Overcast	Hazy	Drizzle Rain	Storm
Temperature]℃ Humi	dity High	Moderate	Low	
Wind	Calm Light	Breeze	Strong		

GENERAL

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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?		\checkmark		,	

AIR QUALITY

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

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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 PI ⁷ A prevented from overfilling?	V				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	· . V				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	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?	<i>v</i>				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?	1				
	Use of vehicles	•				
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	~				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?					Wheel Ward Provided E
	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?	\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?	/				
Cap311R:	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1				
	moonumsmit to matthem the dropping horgit whimit I mi	Ŭ		1		
Sch 20(4)	Concrete batching plant	Ŭ		1		
Sch 20(4) EM&A:					· .	
Sch 20(4) EM&A: A2 EM&A:	Concrete batching plant Are the loading, unloading, handling, transfer or storage of any	V			· .	
	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					

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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?	V				
Cap3110	Is open burning prohibited?	· ·	J			
Cap311	Is black smoke emission from plant/equipment avoided?		1			

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WASTE/CHEMICAL WASTE MANAGEMENT

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	V				
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?					
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		I	JJ	L	ـــــــــــــــــــــــــــــــــــــ
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?	1				
	 (1) public fill materials for on-site reuse, or disposal at public filling area; 					
	(2) reusable / recyclable materials;					8
	(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

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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?	J				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?.	~				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	\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?	V				
	Groundwater	ļ,		<u> </u>	<u> </u>	
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?					

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?	J				

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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?	L/				
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?	J				

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes schee		V				
EM&A: Cl	Are construction works or equipment sited to minimize noise nuisance?			\checkmark			
EM&A: C1	Are all plant and equipment maintained in good operating conditions?						
EM&A: C1/GP	Is idle equipment turned off or t		\checkmark				
EM&A: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?						
EM&A: C2	To mitigate construction noise c holidays, is either one of the fol a) Mitigation by portable nois b) Rescheduling of some pow sensitive time periods?		1				
EM&A: C3	To mitigate night time construct equipped with silencers or muff	ion noise, is dredging equipment lers?	1				
NCO	Are valid construction noise per inspection?	mits, if required, available for	1				
NCO	Are conditions of construction r relevant part(s) of the works im	1					
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		1	,			
	Major noise source(s)	Traffic		Constr site Others		1 activi	ties inside the
	Construction activities						

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Abbreviation

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VEP:	Varied Environmental Permit		and and a second se
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		1 · · ·
PN1/94:	Practice Note for Professional Persons (Cor	nstruction Site I	Drainage)
Unk:	Unknown		

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Remark

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Signatures

ET Member

Contractor's Representative

(Name in Block letters:

CHIN TO FU POE.

(Name in Block letters: 0

.. <u>PETCR CHEWE</u> SAWKO

12th January 2005

CN-04/9013.

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

Inspection date	9 Nov 2005 Time 945 hrs Inspected By ET: 7.7. CHIN / PPE Contractor: PERCHAG	- Landero						
Site	[MX- 19 Elabrical Erection Area]	<u></u>						
Weather	/							
Condition	Sunny Fine Overcast Hazy Drizzle Rain	Storm						
Temperature	PC Humidity High Moderate Low							
Wind	Calm 🖌 Light 🔄 Breeze 🗌 Strong							

GENERAL

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Ref.	Cheeklist 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?		1			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	L		.	I <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?	\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	L- <u></u>	I			L
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		V			WaterSprayin Provided Bu
	Stockpiling of dusty materials	.				9
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	V				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
_ Uma	Cement and dry pulverized fuel ash (PFA)	*.				•
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	V				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	V				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?					
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	V				
	Loading, unloading or transfer of dusty materials	• •		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: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	<i>\</i>				
	Use of vehicles	L				<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?	\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			Whee Wreha Provided B
	Transfer of dusty materials using a belt conveyor system			[[•
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	J				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	v				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
	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?	1			· .	
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?	V				
EM&A:	Are all the conveyor transfer points totally enclosed?					

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

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WASTE/CHEMICAL WASTE MANAGEMENT

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					•
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	1				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	v				
EM&A: E3	Are wastes disposed of at licensed sites?	J				
	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?	J				
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?	ı				
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?	J				
	General refuse	,		<u> </u>		
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?		\checkmark		• •	
WMP	Is the refuse disposed of regularly and properly?		v			·
WMP	Are burning of refuse at site and dumping at sea prohibited?					
	Chemical Waste		-			
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	ν				
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?	V				
	Storage, collection and transportation of waste	•• ••		1	•	
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		V			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	\checkmark				, 644 de
	 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				<u> </u>

WATER QUALITY

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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?	V				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	1				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?.					
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	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?	~				· .
	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				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?					

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"?	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				

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes schee	duled to minimize noise nuisance?		V			
EM&A: C1	Are construction works or equip nuisance?	pment sited to minimize noise		1			1
EM&A: Cl	Are all plant and equipment ma conditions?	intained in good operating		v			
EM&A: C1/GP	Is idle equipment turned off or	throttled down?		\checkmark			
EM&A: C1	Are methods of working devise nuisance?	d and arranged to minimize noise		\checkmark			
EM&A: C1)	Are construction works carried nuisance?	out in a manner to minimize noise		V			
EM&A: C2			7				
EM&A: C3	To mitigate night time construct equipped with silencers or muff	tion noise, is dredging equipment lers?	5				
NCO	Are valid construction noise per inspection?	mits, if required, available for	\checkmark				
NCO	Are conditions of construction r relevant part(s) of the works im		1				
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand	~	,			
	Major noise source(s)		Ø	Constr site	uction	ı activi	ties inside
	Construction activities			Others		14	

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Abbreviation

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VEP: WMP: Cap311R: Cap311O: Cap311: PN1/01:	Varied Environmental Permit Waste Management Plan APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Provide Note for Professional Persons (Const	EM&A: EM&A Manual (Construction Phase) NCO: Noise Control Ordinance WDO: Waste Disposal Ordinance
PN1/94: Unk:	Practice Note for Professional Persons (Const Unknown	ruction Site Drainage)

Remark

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Signatures

ET Member

Contractor's Representative

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(Name in Block letters:

T.F. CHILL)

PDE

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pady

(Name in Block letters:

<u>PETER CHENG</u>) SANKO.

12th January 2005

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

Inspection date	16 NOV 2005	Time 09:15 hrs	Inspected By	ET: T.F.CHIN /PDE Contractor:PFTE OHAA/SMED
Site	LMX-L9 He	hul Ender Aren.		Contractor: PETER CUERCH SYMAD
Weather	·····			
Condition	Sunny VF	ïne Overcast	Назу	Drizzle Rain Storm
Temperature]°C I	Humidity High	Moderate	Low
Wind	Calm I	Light 📈 Breeze	Strong	

GENERAL

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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?		J			
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		1	ı
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?	5				
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	•	I		1
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		V			NoterSpri Provided
	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?	1				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	1				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	1				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	1				
	Loading, unloading or transfer of dusty materials	•				•
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	1				
	Use of vehicles		1			•
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		\checkmark			Kheel Washing Piro voled Pi
	Transfer of dusty materials using a belt conveyor system					<u> </u>
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?	v				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	~				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1				
	Concrete batching plant					·
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	~				
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?	./				

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

WASTE/CHEMICAL WASTE MANAGEMENT

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	ſ	•		•	
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?	$\overline{\mathbf{V}}$				
	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?	V				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	1				<u>, </u>
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?	J				
	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?		J			
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				

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?	V	:							
	Storage, collection and transportation of waste									
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		V							
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?									
	 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

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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?	1				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	~				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	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?	\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?	\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?	V				

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?	V				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	V				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	V	:			

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: Cl	Are working programmes sched	uled to minimize noise nuisance?		V			
EM&A: Cl	Are construction works or equip nuisance?	ment sited to minimize noise		v			
EM&A: C1	Are all plant and equipment mai conditions?	ntained in good operating		J			
EM&A: C1/GP	Is idle equipment turned off or the	hrottled down?		V			
EM&A: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		V			
EM&A: C1)	Are construction works carried on nuisance?	on works carried out in a manner to minimize noise					
EM&A: C2	To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? Image: 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? Image: Construction of the following measures adopted for th						
EM&A: C3	To mitigate night time construct equipped with silencers or muffl	ion noise, is dredging equipment ers?	J				
NCO	Are valid construction noise per inspection?	mits, if required, available for	1				
NCO	Are conditions of construction n relevant part(s) of the works imp		1				
NCO	Are valid noise emission labels f held percussive breakers?	fixed at air compressors and hand	1				
		Traffic	Construction activities inside				
	Major noise source(s)	Construction activities outside the site		Others	s		· · · · · · · · · · · · · · · · · · ·

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Abbreviation

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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	struction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

T. F. CHIM PDE

(Name in Block letters:

PETER CIENG SANKO.

12th January 2005

Cx1-04/9013.

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

Inspection date	23NOV 2	Time	10139 hrs	Inspected	By ET: TF.CHIM / PJE Contractor: PETER CUGC / SmrKD
Site	LMX-L	1 Gectoral B	rection Area		Contractor. 16726 CIGC / Shry KO
Weather	••• •	/			
Condition	Sunny	Fine	Overcast	Hazy	Drizzle Rain Storm
Temperature 21]°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 bcen 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	I	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?	\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?					
	Construction Sites	1		المسحسما		·
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		1			WaterSpray Provided B
	Stockpiling of dusty materials					
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	\checkmark				

Page 1 of 7

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

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

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WASTE/CHEMICAL WASTE MANAGEMENT

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	•				
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	v				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	1				
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?	/	<u> </u>			
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?	N				
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?	\checkmark				
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		V			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		v			
WMP	Is the refuse disposed of regularly and properly?		V			
WMP	Are burning of refuse at site and dumping at sea prohibited?		\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)?	1				

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?	\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?	1				
	Storage, collection and transportation of waste		L	I		
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		1			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	V				
<u></u>	 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?	V				

WATER QUALITY

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	V				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	1				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	7				
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	ļ	ļ		ļ	. <u></u>
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?					

Ref	Checklist Condition	ng and Drilling Water that used in ground boring and drilling for site stigation or rock/soil anchoring recirculated as far as ble after sedimentation? If there is a need for final	Remarks		
all or	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?	\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"?	\checkmark				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	V				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes sched	luled to minimize noise nuisance?		v			
EM&A: Cl	Are construction works or equip nuisance?	oment sited to minimize noise		~			4.44.4999 / L. L
EM&A: C1	Are all plant and equipment ma conditions?	intained in good operating		J			
EM&A: C1/GP	Is idle equipment turned off or t	hrottled down?		~			
EM&A: Cl	Are methods of working devised nuisance?	d and arranged to minimize noise		V			
EM&A: C1)	Are construction works carried a nuisance?	out in a manner to minimize noise		/			
EM&A: C2			<i>د</i>				
EM&A: C3	To mitigate night time construct equipped with silencers or muff	tion noise, is dredging equipment lers?	V				
NCO	Are valid construction noise per inspection?	mits, if required, available for	~				
NCO	Are conditions of construction n relevant part(s) of the works imp		V				
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand	v				
	Major noise source(s)	Traffic		Constr site	uction	activi	ities inside the
	majur noise source(s)	Construction activities outside the site		Others	;		

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Abbreviation

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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

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

(Name in Block letters:

TECHIU _) PDE

(Name in Block letters:

ReTon CHENG) SANKO

Name in Block Letters: .) No

12th January 2005

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

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Inspection date		ET: T.F. CHILL / PDE-
Site	LMX-L9 ELECTRICAL ERECTION AREA	Contractor: CMLo SANKO
Weather		
Condition	Sunny Fine Overcast Hazy	Drizzle Rain Storm
Temperature 20]℃ Humidity High Moderate .	Low
Wind	Calm Light Breeze Strong	

GENERAL

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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?		\checkmark			

AIR QUALITY

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	J		1		·
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?					
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			[
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?					
	Construction Sites					
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					Waterspran Provided B.
	Stockpiling of dusty materials			•		2
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				
	sheets or sheltered on the top and 3 sides or sprayed with water to	\checkmark				

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)		1	L	I	
Cap311R:	Are the storage silos for cement or dry PFA prevented from					
Sch 15(3)	overfilling?	\checkmark				
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	\bigvee				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?	V				
Cap311R:	Are the cement, dry PFA or other dusty materials collected by the		/			
Sch 17	air pollution control equipment disposed of in totally enclosed	I./				
	containers?					
	Loading, unloading or transfer of dusty materials	l				I
Cap311R:	Are dusty materials, except cement and dry PFA, sprayed with					
Sch 19	water immediately prior to any loading, unloading or transfer					
	operation?					
EM&A:	Are the dropping heights of the fill materials controlled to a					
A1	practical level to minimize fugitive dust emission?					
	Use of vehicles	l				L
Cap311R:	Is every load of dusty material on the vehicles leaving the		•••			
Sch 21(2)	construction site covered entirely by clean impervious sheeting?					
EM&A:						
<u>A1</u> Cap311R:	Is every vehicle wheel-washed by the wheel washing facilities to	-			- /	11. 11.0
Sch 21(1)	remove any dusty materials from its body and wheels before				/	when was
	leaving the construction site?		v			Serirces Ri
						Wheel Was Serves Pi By Part
	Transfer of dusty materials using a belt conveyor system					0
Cap311R:	Are belt conveyors used for transfer of dusty materials covered on					
Sch 20(1)	the top and 2 sides?	5		,		
Cap311R:	Is every transfer point between any two-belt conveyors totally					
Sch 20(2)	enclosed?	V				
Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of					
Sch 20(3)	every conveyor? Is the belt scraper equipped with bottom plates	/				
	or similar means to prevent falling of materials from the return	<i>✓</i>				
	belts?					
Cap311R:	Are stockpiling conveyors equipped with level adjusting	/				
Sch 20(4)	mechanism to maintain the dropping height within 1 m?	\checkmark				
	Concrete batching plant					
EM&A:	Are the loading, unloading, handling, transfer or storage of any					
	dusty materials carried out in a totally enclosed system?	V				
A2						• •
A2 EM&A:	Are dusty materials, except cement and dry PFA, wetted by water					
EM&A:	Are dusty materials, except cement and dry PFA, wetted by water spray system?	V				
	spray system?	V				
EM&A: A2		V √				
EM&A: A2 EM&A:	spray system? Are all the receiving hoppers enclosed on three (3)sides up to 3m					

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks scaled and hydroseeded and planted as soon as possible?	V				
Cap3110	Is open burning prohibited?		N			,
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		r	.	L	I,
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?	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?	5				
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?	2				
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?	/				
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?		5		·.	
WMP	Is the refuse disposed of regularly and properly?		V			
WMP	Are burning of refuse at site and dumping at sea prohibited?		~			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1				

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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?					
	Storage, collection and transportation of waste	<u>م</u>		<u>, </u>		·····
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		V			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	1				
	 public fill materials for on-site reuse, or disposal at public filling area; 					
	(2) reusable / recyclable materials;					
	(3) un-reusable / non-recyclable waste for landfill disposal.					
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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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?	5				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	V				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	1				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	5				
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?	V				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water	<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?	ø				
	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

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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?	v				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?	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

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes sched	uled to minimize noise nuisance?	-	V			
EM&A: Cl	Are construction works or equip nuisance?	oment sited to minimize noise		V			
EM&A: Cl	Are all plant and equipment mai conditions?	ntained in good operating	-	v			
EM&A: C1/GP	Is idle equipment turned off or t	hrottled down?]			
EM&A: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		v			
EM&A: C1)	Are construction works carried on nuisance?	out in a manner to minimize noise		/			
EM&A: C2		luring Sunday's and public lowing measures adopted? e barriers at noise sources or ered mechanical equipment to less	~				
EM&A: C3	To mitigate night time construct equipped with silencers or muff	ion noise, is dredging equipment ers?	1				
NCO	Are valid construction noise per inspection?	mits, if required, available for	~				
NCO	Are conditions of construction n relevant part(s) of the works imp		\checkmark				
NCO	Are valid noise emission labels the held percussive breakers?	fixed at air compressors and hand	1				
	Major noise source(s)	Traffic	1	Constr site	uctior	activi	ties inside th
	mayor noise source(s)	Construction activities outside the site		Others			

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Abbreviation

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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 (Con	struction Site I	Drainage)
Unk:	Unknown		

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Remark

Signatures

ET Member

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Contractor's Representative

(Name in Block letters:

T.F. CUIL PDC-

(Name in Block letters:

CIMILO) SANKO.

12th January 2005

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

Inspection date	3/11/22 Time 10:20 Inspected By ET: W.L.L. 105 Contractor: SH SUDD / MAMK
Site	LMX 275 KU S/S ERECTION CANTRACT
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature Z	¶℃ 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			· · · · ·		L
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				
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?					PROVIDE PROVIDE PAUL Y
Stockpiling of dusty materials					′ (
Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		r			
	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?					
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			PROVIDED provided provided provided
	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?	\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?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
	Concrete batching plant	•				•
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	~				
	Are dusty materials, except cement and dry PFA, wetted by water					
	spray system?					
EM&A: A2 EM&A: A2		\ \				

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?		1			
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?	~				
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?	\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?					
	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?		/			
	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?					
	Storage, collection and transportation of waste		1			
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?				· · · ·	

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off		I			
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?	\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?					
	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?	\checkmark				
	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"?	~				
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?					

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes schedu	led to minimize noise nuisance?		/			
EM&A: C1	Are construction works or 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 o nuisance?	ut in a manner to minimize noise		1			
EM&A: C2							
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		1				
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					
****	Maine using neuros(s)	Traffic	Ø	Constr site	uction	1 activi	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	struction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

U.LU)

(Name in Block letters: S H S M)

12th January 2005

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

Inspection date	10/11/2003 Time $10:00$ Inspected By ET: $0.2.4/90EContractor: SH SHENK$
Site	LMX JERU S/S ERECTION CONTRACT
Weather	1
Condition	Sunny Fine Overcast Hazy 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?		\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			<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	.l	1	·	L	
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark			PROVIDED PROVIDED 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?	\checkmark				

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)					
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?	1				
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?		/			DACILITIE PACILITIE PROVIDED B 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?	\checkmark				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	~				
	Concrete batching plant	•				
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	\checkmark				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	\checkmark				
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?					
Cap3110	Is open burning prohibited?		/			
Cap311	Is black smoke emission from plant/equipment avoided?		/			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	•				
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				
EM&A: E3	Are wastes disposed of at licensed sites?					
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	/				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	/				
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?	\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?		1			L
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?		1			
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		/			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		V			
	Storage, collection and transportation of waste		L	1		
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		1			
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			1		
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	$\overline{\mathcal{V}}$	{			
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	~	-			
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?		1			

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

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	iled to minimize noise nuisance?		/			
EM&A: Cl	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 th	rottled down?					
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		\checkmark			
EM&A: C1)	Are construction works carried o nuisance?	ut in a manner to minimize noise		/		:	9 min - 9 m
EM&A: C2				/			
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		1				
NCO	Are valid noise emission labels f held percussive breakers?	ixed at air compressors and hand					
	Major noise source(s)	Traffic	Ø	Constr site	uctior	ı activi	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 (Const	ruction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

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(Name in Block letters:

W. C. M.

(Name in Block letters: $\int H \int V \partial N$)

12th January 2005

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

Inspection date	$13/11/2005$ Time $10:00$ Inspected By ET: $W-L \cup 1ppE$	
Site	LMX 275KU S/S ERECTION CONTRACT	(le
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 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	L	.i	<u> </u>	Į
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?					<u> </u>
	Construction Sites			J	1	
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					WATTER S proviaso DATUL Y
	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?	\checkmark				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)	<u>بہ ب</u>				•
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?	1				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	\checkmark				
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?	\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?	/				
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?					WHEER WA FACILITIE PROVIDED PANL 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?	\checkmark				
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Is every transfer point between any two-belt conveyors totally					
Cap311R: Sch 20(2)	enclosed?	\checkmark				
		\ \				
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	ン ン ン				
Sch 20(2) Cap311R: Sch 20(3) Cap311R:	enclosed?Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?Are stockpiling conveyors equipped with level adjusting					
Sch 20(2) Cap311R: Sch 20(3) Cap311R:	 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(2) Cap311R: Sch 20(3) Cap311R: Sch 20(4) EM&A:	 enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m? Concrete batching plant Are the loading, unloading, handling, transfer or storage of any 	ン ン ン ン ン				
Sch 20(2) Cap311R: Sch 20(3) Cap311R: Sch 20(4) EM&A: A2 EM&A:	 enclosed? Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts? Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m? Concrete batching plant Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system? Are dusty materials, except cement and dry PFA, wetted by water 	ン ン ン ン ン ン ン ン				

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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?	\checkmark				
Cap311O	Is open burning prohibited?		/			
Cap311	Is black smoke emission from plant/equipment avoided?		$\mathbf{\mathcal{S}}$			

Ref	Checklist Condition	Ν/Λ	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?	\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?	\ \		-		
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?	J				
	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?		1			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?		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"?		1			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		1			
	Storage, collection and transportation of waste	1		<u>.</u>		
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?			Í		
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?					<u>}</u>

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	\bigvee				7 100
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?	/		1		
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?	1				
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?	/				

MARINE ECOLOGY

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

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NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes schedu			\checkmark			
EM&A: Cl	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					
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?					
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried o nuisance?	ut in a manner to minimize noise					- · · · · · · · · · · · · · · · · · · ·
EM&A: C2				/			
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		1				
NCO	Are valid construction noise perr inspection?	nits, if required, available for	/				
NCO	Are conditions of construction ne relevant part(s) of the works imp		1				
NCO	Are valid noise emission labels f held percussive breakers?	ixed at air compressors and hand					
		□ Traffic	Ø	Constr site	uctio	n activ	ities inside the
	- Major noise source(s)	Construction activities outside the site		Others	i		

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 (Constru-	uction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

W.L.U)

(Name in Block letters: SHSUTON _)

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	23/11/2025 Time 10:38 has Inspected By ET: W. L. LI / PPE Contractor: SH SUBD/MEHK
Site	LMX 275KU S/S ERECTING CANTRACT
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature 2	C Humidity High Moderate Low
Wind	Calm Light Strong

GENERAL

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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?					

AIR QUALITY

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?	\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	<u>1</u>				1
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			WATER PROVIDED DAML Y
	Stockpiling of dusty materials					, i
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)		L	·		
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?					
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?					
	Loading, unloading or transfer of dusty materials	•	•	·		
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?					
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	\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?			ĺ		
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			WHEER WI FACILITIES PROVIDED A PAULY
	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		·,	. <u> </u>		·
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?	/				

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

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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?	~				
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?	\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?					
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)?	\square				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?		<i></i>	[
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		1		
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				
	 (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

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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?	<i>\</i>				
	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	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

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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?	\checkmark				
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?	/				

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NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes schedu	led to minimize noise nuisance?					
EM&A: C1	Are construction works or equipm nuisance?	nent sited to minimize noise					
EM&A: Cl	Are all plant and equipment main conditions?	tained in good operating					
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?		\checkmark			
EM&A: Cl	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 minimíze noise		\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?					
EM&A: C3		o mitigate night time construction noise, is dredging equipment quipped with silencers or mufflers?					
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		1				
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand	/				
	Major noise source(s)	Traffic	d.	Constr site	uction	n activi	ties inside the
		Construction activities outside the site		Others			<u>_</u>

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Abbreviation

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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	Orainage)
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:

W.L.U)

(Name in Block letters:

SHSUTU)

Name in Block Letters:)

12th January 2005

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

Inspection date	2fel roo	Time Jer Line	10:00	Inspected		
Site	2mx	275KU A	S ERE Tow	ConTRACT	Contractor: S	4 SNON /MON/K
Weather						
Condition	Sunny	Fine	Overcast	Hazy	Drizzle R	ain Storm
Temperature 🏹	₽℃	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?		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	ł		-		4
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?		r			
	Construction Sites	1				r.
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark			PROUIDE PROUIDE PIAM Y
	Stockpiling of dusty materials					<i>y</i> (
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	\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?	\checkmark				
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?	$\overline{}$				
	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			WHEEL WE FACILITIES PROVIDED B ORALY
	Transfer of dusty materials using a belt conveyor system					/ (
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?		~			
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?					
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?					
	Concrete batching plant			-	-	
EM&A:	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
A2		1		1	1	1
A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/				
A2 EM&A:		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?		*			
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?	\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?					
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?		\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	1	t	L	L	
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?			1		
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	 (1) public fill materials for on-site reuse, or disposal at public filling area; 					
	(2) reusable / recyclable materials;					
	(3) un-reusable / non-recyclable waste for landfill disposal.					
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?					

WATER QUALITY

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

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

MARINE ECOLOGY

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

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes schedu	iled to minimize noise nuisance?		\checkmark			
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?	-	\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?		_				
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 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	\checkmark				
	Major noise source(s)	Traffic	Q.	Constr site	uctior	n activi	ties inside the
	majur nuise 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 (Consti	ruction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

.

Contractor's Representative

(Name in Block letters:

GLU)

(Name in Block letters:

SHSUGN)

12th January 2005

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

Inspection date	02/11/05 Time 10:30 Inspected by	ET: Hendry Ho
		Contractor: Kier
Site	Transmission Route (Civil Work)	
Weather		
Condition	Sunny Fine Overcast Hazy	Drizzle Rain Storm
Temperature	27 °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?	1				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	*				
	Stockpiling of dusty materials					
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		1			
	Use of vehicles	L	·	1	·	•
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	~				
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	~				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap311O	Is open burning prohibited?		1			
Cap311	Is black smoke emission from plant/equipment avoided?		1			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	Dredged Materials			1					
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	L	۰						
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: 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?	<u> </u>	~			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?		~	[

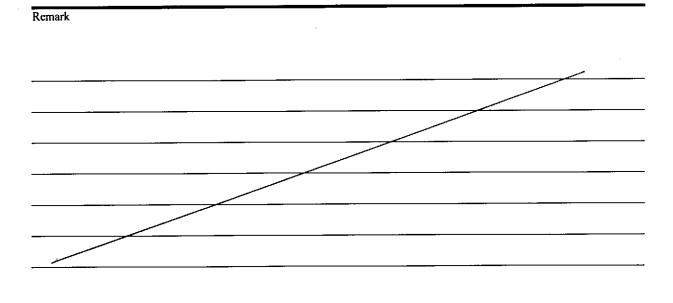
TERRESTRIAL ECOLOGY

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?	ncommon and rare plant r and Ardicia pusilla, and the		~			
EM&A: O2	Are fences erected in accordance w in good condition along the bound prevent tipping, vehicle movement personnel into adjacent wooded are uncommon and restricted plant spe	ary of construction sites to s, and encroachment of eas, particularly where the rare,		~			
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and th surrounding areas?		<u> </u>	~	, 		
EM&A: Q4	Is open fire prohibited and prevent boundary during construction? Is the 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
Cap311R:	APC (Construction Dust) Regulation
Cap311O:	APC (Open Burning) Regulation
Cap311:	Air Pollution Control Ordinance
Cap466:	Dumping at Sea Ordinance

EM&A: EM&A Manual (Construction Phase)
NCO: Noise Control Ordinance
Cap354: Waste Disposal Ordinance
Cap354c: WDO (Chemical Waste) (General) Regulation
Unk: Unknown



Signatures

ET Member

(Name in Block letters: Teto.

Contractor's Representative

(Name in Block letters:

20th December 2001

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

Inspection date	09/11/05 Time 11:00 Inspected by ET: Hendry Ho	
	Contractor: Kier	
Site	Transmission Route (Civil Work)	_
		-
Weather		
Condition	Sunny Fine Overcast Hazy Drizzle Rain Sto	rm
Temperature	26 °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

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

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	•				
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			•		<u></u>
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~				
Cap354	Are wastes disposed of at licensed sited?	~				
	Chemical Waste	•		•		
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	~				
Cap354C	Has the Contractor registered as a chemical waste producer?		~		1	
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	1				

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?		~			···

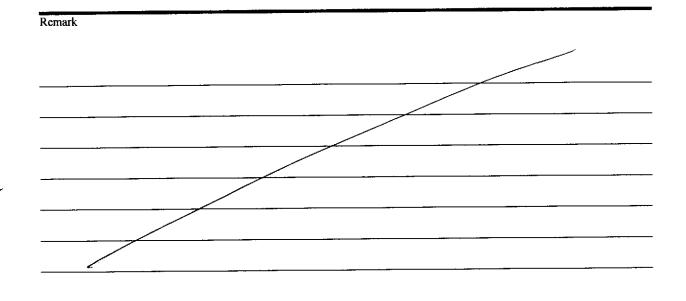
TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks	
EM&A: Ol	Are the construction activities at la monitored to avoid impact on the u species Celtis biondii, Pteris dispar restricted plants Vitis balansaeana, and Rhapis excellsa?		1					
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 prevent boundary during construction? Is t equipment provided in the work ar	emporary fire fighting		~				
		Traffic	✓	Con the		tion act	tivities inside	
	Major noise source(s)	Construction activities outside the site		Others:				

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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
•		



Signatures

ET Member

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(Name in Block letters: STATO)

m (Name in Block letters: 7 a <u>(~)</u>

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	16/11/05 Time 14:00 Inspected by	
Site	Transmission Route (Civil Work)	Contractor: Kier
Weather		
Condition	Sunny Fine Overcast Hazy	Drizzle Rain Storm
Temperature	22 °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								
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?	1							
	Stockpiling of dusty materials								
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		1						
	Use of vehicles								
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	~							
	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?		~			

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

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?	1	~			

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> ?			~			
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 prevent boundary during construction? Is t equipment provided in the work as	emporary fire fighting		~			
		Traffic	1	Con the		tion act	tivities inside
	- Major noise source(s)	Construction activities outside the site		Oth	ers:		

VEP: Cap311R: Cap311O: Cap311: Cap466:	Varied Environmental Permit APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Dumping at Sea Ordinance	EM&A: EM&A Manual (Construction Phase) NCO: Noise Control Ordinance Cap354: Waste Disposal Ordinance Cap354c: WDO (Chemical Waste) (General) Regulation Unk: Unknown
Remark		······
<u> </u>		
Signatures ET Member	Contractor's Repre	sentative
(Name in Block	k letters: (Name in Block lett	ont

Hendry, ST Ho Assistant Engineer

Tang Sin Oh

Inspection date	23/11/05 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	25 °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?		~			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks		
	General Requirements		·	I,		<u></u>		
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? 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?	× .		5				
	Stockpiling of dusty materials	. <u></u>						
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		1					
	Use of vehicles		L	LI				
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	~						
	Miscellaneous							
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	4						

Cap311O Is open burning prohibited? ✓ Cap311 Is black smoke emission from plant/equipment avoided? ✓	Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
Cap311 Is black smoke emission from plant/equipment avoided?	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			•					
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: Ml	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?	~					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	1				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	~				
NCO	Are valid construction noise permits, if required, available for inspection?		*			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

• ر :

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks	
EM&A: O1	Are the construction activities at lat monitored to avoid impact on the u species Celtis biondii, Pteris dispar restricted plants Vitis balansaeana, 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 prevente boundary during construction? Is te equipment provided in the work are	emporary fire fighting		~				
		Traffic		Con the s		ion act	ivities inside	
	Major noise source(s)	Construction activities outside the site		Oth				

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VEP: Cap311R: Cap311O: Cap311: Cap466:	Varied Environmental Permit APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Dumping at Sea Ordinance	EM&A: EM&A Manual (Construction Phase) NCO: Noise Control Ordinance Cap354: Waste Disposal Ordinance Cap354c: WDO (Chemical Waste) (General) Regulation Unk: Unknown
Remark		
,		
Signatures		
ET Member	Contractor's F	Representative
(Name in Bloc	k letters: (Name in Blo	sk letters:
میں جس میں عقب عدی سے د	y, STHO) (ang	tin Un

(

20th December 2001

Inspection date	30/11/05 Time 11:00 Inspected by	ET: Hendry Ho Contractor: Kier
Site	Transmission Route (Civil Work)	
Weather		
Condition	Sunny Fine Overcast Hazy	Drizzle Rain Storm
Temperature	21 °C Humidity High Moderate	Low
Wind	Calm Light I 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?		4			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		~			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
·····	General Requirements					
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	1				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	1				
	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		<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?	~				
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	1				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?		1			
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?		~						
	Construction Waste and Excavated Materials	h				4			
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

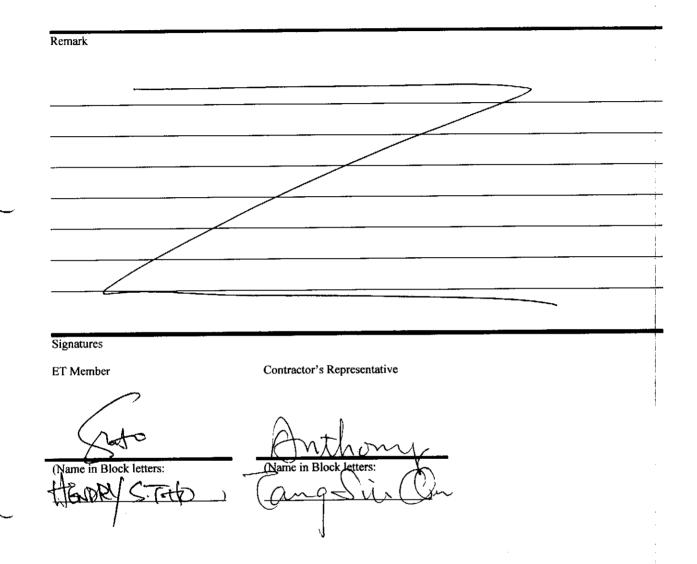
Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: M1	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?	1				

Page 2 of 4

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, 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?		~			

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: Ol	Are the construction activities at la monitored to avoid impact on the t species Celtis biondii, Pteris dispa- restricted plants Vitis balansaeand and Rhapis excellsa?	uncommon and rare plant ar and Ardicia pusilla, and the		1			
EM&A: O2	Are fences erected in accordance v in good condition along the bound prevent tipping, vehicle movemen personnel into adjacent wooded ar uncommon and restricted plant sp	lary of construction sites to ts, and encroachment of eas, particularly where the rare,		~			
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and t surrounding areas?	ned to ensure that the work site hat no damage occurs to		~			
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		ion act	tivities inside
	- Major noise source(s)	Construction activities outside the site		Oth	ers:		

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



20th December 2001

Inspection date	4/11/05 Time 12:00 Inspected by ET: KL LAM Contractor: J-PONER SYSTEMS
Site	SWÉÉPING & PRÉPARATION WORK (N 5 & II)
Weather	· · · · · · · · · · · · · · · · · · ·
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	26 °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?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	.		1	La	•
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?	V				
	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	· · · · · ·	L.,	J		
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
	Miscellaneous	·		1,		
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?	V				
Cap311	Is black smoke emission from plant/equipment avoided?	V				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	1	L		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	1	L			I
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?	V				
	Chemical Waste	L	I	1		L
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	V				
Cap354C	Has the Contractor registered as a chemical waste producer?	V				
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	\bigvee				

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?	1				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	~				
NCO	Are valid construction noise permits, if required, available for inspection?	1				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	1				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	1				

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at monitored to avoid impact on the species Celtis biondii, Pteris disp restricted plants Vitis balansaear and Rhapis excellsa?	e uncommon and rare plant	\checkmark				
EM&A: O2	in good condition along the bour prevent tipping, vehicle moveme	nts, and encroachment of areas, particularly where the rare,	V				
EM&A: Q3	Has regular checking been perfor boundaries are not exceeded and surrounding areas?	rmed to ensure that the work site that no damage occurs to	V				
EM&A: Q4	Is open fire prohibited and preve boundary during construction? Is equipment provided in the work	s temporary fire fighting	V				
	Maior poirs convec(s)	Traffic	Ć	Consti site	ructio	n activi	ities inside the
	Major noise source(s)	Construction activities outside the site		Others	s		

VEP:	Varied Environmental Permit
Cap311R:	APC (Construction Dust) Regulation
Cap311O:	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: KLMU)

(Name in Block letters: BERRY YUEN 3

Inspection date	$\frac{ \xi _{11}}{0} \text{ Time } \frac{ J:30}{0} \text{ Inspected by } ET: (K W o N G)$
Site	Outside Landing Point El & N4
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	24 °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?		v			
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
1.4.1. 4 1	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?	V				
• •	Stockpiling of dusty materials	·	<u>.</u>	J		
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	1				
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V				
	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?	V				
Cap311	Is black smoke emission from plant/equipment avoided?	\checkmark				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	I		.		
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?	V				
Cap354	Are wastes disposed of at licensed sited?	V				
	Chemical Waste	J		.	L	L
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	5				
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?	1				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	1				
NCO	Are valid construction noise permits, if required, available for inspection?	1				
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?	V				

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 preve boundary during construction? I equipment provided in the work	s temporary fire fighting	~				
		Traffic	M	Const site	ructio	n activ	ities inside the
	- Major noise source(s)	Construction activities outside the site		Other	s		

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

NA

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

CKWONG

(Name in Block letters:

BERRY YMEN,

Inspection date	2J[1]aJ Time [1:00] Inspected by ET: [K] [A] Contractor: J-Pauze Systems
Site	Ontside Land y Part Ng, II-NS
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	23 °C Humidity High Moderate Low
Wind	Calm 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 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?		V			

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?	V				
	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	1	L.,,,,,,			I
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	V				
	Miscellaneous	· · · · · ·				<u> </u>
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?	V				
Cap311	Is black smoke emission from plant/equipment avoided?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	L		·	Lee	L
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?	2				
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?	~	. <u></u>			l
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	$\overline{}$				

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?	~				· · · · · · · · · · · · · · · · · · ·

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?	V				
NCO	Are valid construction noise permits, if required, available for inspection?	V				- <u> </u>
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?	V				

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: 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?		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 preve boundary during construction? I equipment provided in the work	s temporary fire fighting					
		Traffic	g	Const site	ructio	n activ	ities inside the
	Major noise source(s) Constru- outside t			Other	s		

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: LAI \ltimes A Υ (N)

(Name in Block letters: BERRY YUZN,