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. (0 チ/ 901 こ) Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection date	7 Sept Jul	Time 🚺	9:50	Inspected	By ET: Contractor	W. Sm	
Site	LMX-19	Med 7	with An		Contracto	·· W. T (Km	¥.
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?		\checkmark			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		<i>\</i>			

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?	~									
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										
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		1								
	Stockpiling of dusty materials										
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?										

Page 1 of 7

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)			L	<u> </u>	1
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?	~				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?					
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	1				
	Loading, unloading or transfer of dusty materials	4				L
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	\checkmark			-	
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	\checkmark				
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	~				
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			Clenty Protocol By P.X
	Transfer of dusty materials using a belt conveyor system					5
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	1	i	·		
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?	\checkmark				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	\checkmark			-	
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	\checkmark				
	Are all the conveyor transfer points totally enclosed?					

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

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	\checkmark				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	v				
EM&A: E3	Are wastes disposed of at licensed sites?	\checkmark				
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~				
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?	V				
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?		~	2		
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)?	\checkmark				

Page 3 of 7

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?		v			
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?					
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		~			
-	Storage, collection and transportation of waste		*			
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		J			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	 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.		v		-	
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		~			

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

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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?	\checkmark				

MARINE ECOLOGY

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

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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?		\checkmark			
EM&A: C1	Are construction works or equipr nuisance?	nent sited to minimize noise		~			
EM&A: Cl	Are all plant and equipment main conditions?	tained in good operating		v v			
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?		V			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		~			
EM&A: C1)	Are construction works carried or 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?		~				
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 fixed at air compressors and hand held percussive breakers?			~			
	Major noise source(s)	 Traffic Construction activities 		Constr site Others		activi	ties inside the
		outside the site		Julers			

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Abbreviation

VEP:Varied Environmental PermitWMP:Waste Management PlanEM&A: EM&A Manual (Construction Phase)Cap311R:APC (Construction Dust) RegulationNCO:Noise Control OrdinanceCap3110:APC (Open Burning) RegulationWDO:Waste Disposal OrdinanceCap311:Air Pollution Control OrdinancePN1/94:Practice Note for Professional Persons (Construction Site Drainage)Unk:Unknown

Remark

Signatures

ET Member

W.SI-

Contractor's Representative

(Name in Block letters:

)

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



The Hongkong Electric Co. Ltd. 04/9012 Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection date	14 Sept of	Time 0	1:30	Inspected 1	By ET: Contractor	W.Szu	V V
Site	LMX-L9	Mech. Frenthon	Anee		Contracto	W. T.	Shook
Weather							
Condition	🖌 Sunny	Fine]Overcast [Hazy	Drizzle	Rain	Storm
Temperature 25	o℃	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?		~			

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	General Requirements					L			
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	\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?	V							
	Construction Sites								
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark			-			
*****	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

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks				
	Cement and dry pulverized fuel ash (PFA)	•		41		d				
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?	\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									
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			Clenny Awrited By D.Y				
	Transfer of dusty materials using a belt conveyor system					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?	~								
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?	$\overline{\mathbf{v}}$								
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?	\checkmark								
EM&A:	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?						
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?	\checkmark									
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?	V									
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	~									
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	v									
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1									
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?		V								
WMP	Is the refuse disposed of regularly and properly?		\checkmark								
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									

Page 3 of 7

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			 ,	***	
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?		5			

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?	~				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	~				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	V				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	V .				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	~				
	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	\checkmark				

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Ref	Checklist Condition	N/A Yes		es 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?	v				
	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?	~				

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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?		1			
EM&A: C1	Are construction works or equipn nuisance?	nent sited to minimize noise		1			
EM&A: C1	Are all plant and equipment main conditions?	tained in good operating					
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?		1			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		1	-		en en de ante de la contra de la c
EM&A: C1)	Are construction works carried or 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?		J				
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	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?	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?					
	Major noise source(s)	 Traffic Construction activities 		Constr site Others		n activi	ities inside the
		Construction activities outside the site					

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Abbreviation

VEP:	Varied Environmental Permit		
WMP:	Waste Management Plan	EM&A:	EM&A Manual (Construction Phase)
Cap311R:	APC (Construction Dust) Regulation	NCO:	Noise Control Ordinance
Cap3110:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		
PN1/94:	Practice Note for Professional Persons (Con	struction Site I	Drainage)
Unk:	Unknown		0,

Remark

Signatures

ET Member

(Name h Block letters: W.SIU)

Contractor's Representative

(Name in Block letters: W. 7. Kules

2. tike



04/ 90/2 The Hongkong Electric Co. Ltd. Lamma Power Station Extension – E&M Works Weekly Site Inspection Checklist

Inspection date	20 Sept 2	🖁 Time [102)0	Inspected	By ET: Contract	Y.M.	Cham.
Site	LMX	- U9 (Erection		Contract	ω. Ν . Τ.	KWOK
Weather							
Condition	Sunny	Fine	Overcast	Hazy	Drizzle	Rain	Storm
Temperature	℃	Humidit	y High	Moderate	Low		
Wind	Calm	Light	Breeze	Strong			

GENERAL

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		\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								
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							
1	Construction Sites								
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		~						
	Stockpiling of dusty materials								
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	\checkmark							

Page 1 of 7

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks				
	Cement and dry pulverized fuel ash (PFA)	1		·		d+.				
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?									
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	~								
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	~								
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	v		-						
	Loading, unloading or transfer of dusty materials									
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	1	2							
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?	1								
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		1			Cleaning Provided By P.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?	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?	\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									
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?	\checkmark			L	· · · · · · · · · · · · · · · · · · ·				
				<u> </u>						
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	\checkmark								

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

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks				
	Dredged Materials	- I				I				
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	\checkmark								
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	1								
EM&A: E3	Are wastes disposed of at licensed sites?	\checkmark								
	Construction Waste and Excavated Materials									
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~								
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	\checkmark	-							
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	1								
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?									
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	~								
EM&A: E3	Are wastes disposed of at licensed sites?									
	General refuse									
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?		\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								

Page 3 of 7

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

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

Page 4 of 7

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

MARINE ECOLOGY

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



NOISE

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks		
EM&A : C1	Are working programmes schedu	iled to minimize noise nuisance?		1					
EM&A: Cl	Are construction works or equipr nuisance?	nent sited to minimize noise		~					
EM&A: Cl	Are all plant and equipment mair conditions?	ntained in good operating		1					
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?								
EM&A: C2	To mitigate construction noise du holidays, is either one of the foll(a) Mitigation by portable noise b) Rescheduling of some powe sensitive time periods?		V						
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		\checkmark						
NCO	Are valid construction noise permisspection?	nits, if required, available for	~						
NCO	Are conditions of construction no relevant part(s) of the works impl	~							
NCO	Are valid noise emission labels finded percussive breakers?		1						
	Major noise source(s) Major noise source(s) Construction activities outside the site			 Construction activities inside the site Others 					

Page 6 of 7

Abbreviation

VEP:	Varied Environmental Permit		
WMP:	Waste Management Plan	EM&A:	EM&A Manual (Construction Phase)
Cap311R:	APC (Construction Dust) Regulation	NCO:	Noise Control Ordinance
Cap3110:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		
PN1/94:	Practice Note for Professional Persons (Cor	struction Site I	Drainage)
Unk:	Unknown		

Remark

Signatures

ET Member

JMM

(Name in Block letters: YM (him (Name in/Block letters: W. K. Kurok)

Contractor's Representative

IEC's Representative This site inspection was carried of in the presence of **IEC's representate**

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Name in Block Letters: Chan Mo

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Page 7 of 7

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

Inspection date	6/97	06 Time	10:30	Inspected	By ET: WC	Yip, PDC
Site	LMX -	Superstri	ucture_	i	Contractor	Ringe Wong, PY
Weather	<u> </u>				<u>/</u>	
Condition	Sunny	Fine	Overcast	Hazy	Drizzle	Rain Storm
Temperature 22	2]°C	Humidit	y 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?		.√			<u></u>
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	.							
Сар311R: 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								
EM&A : Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?	-	V	1					
	Stockpiling of dusty materials								
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	\checkmark							

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Ref.	Cheeklist Condition		N/	N.		D					
		N/A	Yes	No	Unk	Remarks					
Condition	Cement and dry pulverized fuel ash (PFA)	ıı				.					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?										
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	\checkmark									
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	\checkmark				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?	\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?	\bigvee									
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?	\bigvee									
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								
	Transfer of dusty materials using a belt conveyor system	J .			. I <u>.</u>	L					
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	$\overline{\bigcirc}$									
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	\bigvee									
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	V									
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	V									
	Concrete batching plant					·					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	V									
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	V									
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	$\overline{\vee}$				1					
EM&A: A2	Are all the conveyor transfer points totally enclosed?	17	+								

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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				
Cap3110	Is open burning prohibited?		$\overline{\checkmark}$			
Cap311	Is black smoke emission from plant/equipment avoided?		$\overline{\mathbf{V}}$		L	<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?	\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?	\checkmark									
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?			ŗ							
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			ļ					
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	V									
EM&A: E3	Are wastes disposed of at licensed sites?	V									
	General refuse		•			· · · · · · · · · · · · · · · · · · ·					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		\checkmark	1							
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		\checkmark								
WMP	Is the refuse disposed of regularly and properly?	+	\checkmark	1							
WMP	Are burning of refuse at site and dumping at sea prohibited?				1	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)?	\checkmark									

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks		
WDO	Has the Contractor been registered as a chemical waste producer?							
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?	\checkmark						
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	$\overline{\checkmark}$	-					
	Storage, collection and transportation of waste							
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?	$\overline{\mathbf{V}}$	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; 	\mathbf{V}						
	(2) reusable / recyclable materials;	$\overline{\mathbf{V}}$						
	(3) un-reusable / non-recyclable waste for landfill disposal.	$\overline{\checkmark}$				<u> </u>		
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?							

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WATER QUALITY

Ref	Checkdist 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?	\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 chamels 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?	\checkmark				
PN1/94	Are open stockpiles of construction materials (e.g. aggregates, sand and full material) on site covered with tarpaulin or similar fatine during ramstorms? Are measures taken to preven the washing away of construction materials, soil, silt of debris into the dramage system?	1	-			
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt; construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul severs?	/ 1				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?				 .	<u> </u>

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Ref	Checklist Condition	N/A	Yes	No	Մոե	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?					

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

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NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes sched	uled to minimize noise nuisance?		\checkmark			
EM&A: Cl	Are construction works or equip nuisance?	ment sited to minimize noise		1		'	
EM&A: C1	Are all plant and equipment mai conditions?			\checkmark			
EM&A: CI/GP	Is idle equipment turned off or t	hrottled down?		\checkmark			
EM&A: Cl	Are methods of working devised nuisance?	and arranged to minimize noise		\checkmark			
EM&A:	Are construction works carried on uisance?	out in a manner to minimize noise		\checkmark			
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?		\sim				
EM&A: C3	To mitigate night time construct equipped with silencers or mult	tion noise, is dredging equipment lers?	\checkmark				
NCO	Are valid construction noise per inspection?	mits, if required, available for					
NCO	Are conditions of construction r relevant part(s) of the works im			\checkmark	1		
NCO	Are valid noise emission labels held percussive breakers?			 			
	Major noise source(s)	Traffic		site		on acti	vities inside the
		Construction activities		Othe	rs	<u> </u>	

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Abbreviation

VEP: 35MP Cap311R: Cap311O. Cap311O.	Varied Environmental Permit Waste Management Plan EMB APC (Construction Dust) Regulation NCC APC (Open Burning) Regulation WDO Air Pollution Control Ordinance):	EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance
Cap311: PN1/94: Unk:	Practice Note for Professional Persons (Construction S Unknown	iite D	Prainage)

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Remark



Signatures

ET Member

Contractor's Representative

(Name in Block letters: W.C. Yip Resident Engineer

(Name in Block letters: in Biorn ... Holtery Rays Wom

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

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Inspection date	13/9/	06 Time	11=00	Inspected	By ET: WC	Yip, PDC	
Site	LMX-	Super stru	cture		Contract	or: Ringo Wong;	PU
Weather							
Condition	Sunny	Fine	, Overcast	Hazy	Drizzle	Rain 🗌	Storm
Temperature 2	∛] •c	Humidit	ty 🗹 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?		\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		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 cleaning dust from any vehicle, equipment, other materials or person. Is this observed?		$\overline{\mathbf{v}}$			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	\checkmark				
	Construction Sites	1			┸┯╼┲╼	
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		V			
	Stockpiling of dusty materials					1
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	\checkmark				

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	\checkmark				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	\checkmark				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	\vee				
Cap311R: Seh 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	\checkmark				
	Loading, unloading or transfer of dusty materials		L			
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	\sim				
	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?			1		
	Transfer of dusty materials using a belt conveyor system	1	4. <u></u> .	<u>.</u>		<u></u>
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	\bigvee			1	
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	V				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	V				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	V				
	Concrete batching plant					t .
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?	\bigvee				
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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaneous	1	L			I
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	\checkmark				
Cap3110	Is open burning prohibited?		$\overline{\checkmark}$			<u> </u>
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?	\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?	\checkmark				
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	\checkmark				<u>,</u>
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?					
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?		\checkmark			
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	\checkmark				
EM&A: E3	Are wastes disposed of at licensed sites?	\checkmark			}	
	General refuse					•
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		\checkmark	,		
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		\checkmark		1	
WMP	Is the refuse disposed of regularly and properly?		V	1		
WMP	Are burning of refuse at site and dumping at sea prohibited?		$\overline{\checkmark}$	- <u> </u>	1	<u> </u>
	Chemical Waste					
ем&А: Ез	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	\checkmark				

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?			-		
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?	\checkmark				
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	V				
··	Storage, collection and transportation of waste		· ·	_1	L	±
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?					
· ·	 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				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?	$\overline{\mathbf{V}}$				

WATER QUALITY

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off	1				I
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	$\overline{\checkmark}$				
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?	\checkmark				
PN1/94	Are measures taken to minimize the ingression rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains, via suffremoval facilities?	\checkmark				
PN1/94	Are open stockpiles of construction materials (e.g. aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, sit of 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 severs?	\checkmark				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	V				<u> </u>

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water			1	<u> </u>	
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	\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?		\checkmark			

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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?	\checkmark				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the lan 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?			<u></u>		

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NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes sched	uled to minimize noise nuisance?		\checkmark	·		
EM&A: Cl	Are construction works or equip nuisance?	ment sited to minimize noise		\checkmark			
EM&A: Cl	Are all plant and equipment mai conditions?	ntained in good operating		\checkmark			
EM&A: Cl/GP	Is idle equipment turned off or t			\checkmark			· · ·
EM&A: Cl	Are methods of working devised nuisance?	l and arranged to minimize noise	19	\checkmark			
EM&A: C1)	Are construction works carried on nuisance?	out in a manner to minimize noise		$\overline{}$			
EM&A: C2				\checkmark	/		
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 im	oise permits, if any, for the plemented accordingly?		$\overline{\checkmark}$			
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand					
· · · · · · · · · · · · · · · · · · ·	Major noise source(s)	Traffic		site		on acti	vities inside the
		Construction activities outside the site		Othe	rs		

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Abbreviation

VEP:	Varied Environmental Permit		
NMP	Waste Nianagement Plan	EM&A	EM&A Manual (Construction Phase)
Cap314R:	APC (Construction Dust) Regulation	NCO:	Noise Control Ordinance
Cap311O	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		L.
PN1794:	Practice Note for Professional Persons (Con	struction Site L	Drainage)
Unk:	Unknown		

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Remark

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ET Member

Contractor's Representative

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(Name in Block letters: W.C. Yip Resident Engineer

(Name in Block letters: ber ... hony Ь

II" November 2002

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

Inspection date	20191	06 Time	10:30	Inspected		
Site	2MX	Super stinc	ture	i	Contracto	* Ringo Wong , PY
Weather						
Condition	Sunny	Fine	. Overcast	Hazy	Drizzle [Rain Storm
Temperature	rc	Humidi	ity 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?		\checkmark			
VEP 1.6	Is a copy of EIA report kept in Engineers? and Contractors? offices on site?		v			

AIR QUALITY

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

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Ref.	Cheeklist 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?	V				
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	I			·	
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?					
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	. /	2			
	Use of vehicles				·I	-4
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?					
········	Transfer of dusty materials using a belt conveyor system	- I	.		1	
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?				Ţ	
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	$\overline{\checkmark}$,			
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?				Î	
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	$\overline{\checkmark}$		l		
	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	1			
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	\checkmark			-	
EM&A:	Are all the conveyor transfer points totally enclosed?	1.	/			1

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

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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?	\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?	\checkmark	· · · · · · · · · · · · · · · · · · ·							
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	\bigvee								
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?	V	-							
EM&A: E3	Are wastes disposed of at licensed sites?	$\overline{\mathbf{V}}$								
	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?	<u> </u>	V	1						
WMP	Is the refuse disposed of regularly and properly?		$\overline{\vee}$			+				
WMP	Are burning of refuse at site and dumping at sea prohibited?	1		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)?	\checkmark								

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks	
WDO	Has the Contractor been registered as a chemical waste producer?	$\overline{\checkmark}$					
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?	\checkmark					
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	\checkmark					
	Storage, collection and transportation of waste						
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		-				
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?			- N.P.			
	 public fill materials for on-site reuse, or disposal at public filling area; 	\checkmark					
	(2) reusable / recyclable materials;	$\overline{\checkmark}$					
	(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?	\sim					

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
-	Surface Run-off	.l		••••	<u></u>	<u> </u>
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	$\overline{\checkmark}$				
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?	\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 full material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials; soil; sitt or debris into the drainage system?					
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	1				
	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	\mathbf{V}				

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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		<u> </u>			
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?		1	1		

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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 lan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain?	\bigvee				
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-		uled to minimize noise nuisance?		\checkmark			· · · ·
EM&A: Cl	Are construction works or equip nuisance?	ment sited to minimize noise		V			
EM&A: Cl	Are all plant and equipment main conditions?	ntained in good operating		V			
EM&A: CÍ/GP	Is idle equipment turned off or t			\checkmark			
EM&A: Cl	Are methods of working devised musance?						
EM&A: C1)	Are construction works carried nuisance?						
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?		1				
EM&A: C3	To mitigate night time construc equipped with silencers or muff	tion noise, is dredging equipment lers?	\checkmark				
NCO	Are valid construction noise per inspection?	mits, if required, available for		\checkmark	1		
NCO	Are conditions of construction relevant part(s) of the works im		\checkmark		-		
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand					
	Major noise source(s)			Cons site	tructi	on acti	vities inside the
. 4	Analysi Holde Bource(8)	Construction activities		Othe	rs		

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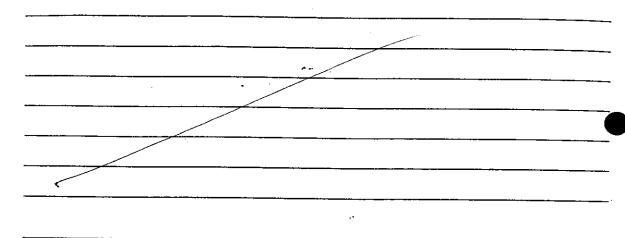
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Abbreviation

VEP:	Varied Environmental Permit		
TVMP	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		·
PN1794:	Practice Note for Professional Persons (Con	struction Site 4	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: Ly. Wom Hong lþ

Name in Bl T han Mo

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11" November 2002

1. SHALL ACTIVATE FOR A REPORTED FOR THE RE-

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

Inspection date	27/9/	<u>06</u> Time	11:00	Inspected	By ET: WC Yip,	PDC
Site	LMX-	- Super struc	ture		Contractor: Ring	o Way, Pr
Weather			· · · ·			
Condition	Sunny	Fine	Overcast	Hazy	Drizzle Ra	in Storm
Temperature 2	₽°C	Humidity	y 🗌 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?	3	N	1		

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks			
·	General Requirements	•	4	.L	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?		\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								
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark						
	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				1			

Page 1 of 7

Ref.	Checklist Condition	N/A	Yes	No	Un k	Remarks			
	Cement and dry pulverized fuel ash (PFA)	<u> </u>		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?	$\overline{\mathcal{A}}$							
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	7							
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	\checkmark							
	Loading, unloading or transfer of dusty materials				.l	1			
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?	N		•					
	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	/					
	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?	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?	\bigvee	1						
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1		- <u>+</u> 					
	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?	$\overline{\mathbf{A}}$	ŕ						
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	$\overline{\checkmark}$							
	all	+	/	~	+				
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 sealed and hydroseeded and planted as soon as possible?	\checkmark						
Cap3110	Is open burning prohibited?			 				
Cap311	Is black smoke emission from plant/equipment avoided?		$\overline{\checkmark}$		<u> </u> −	<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?	\checkmark				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	$\overline{\checkmark}$				
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?	\checkmark				
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?		\sim			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?		V			<u> </u>
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?	$\overline{\checkmark}$				
	General refuse	· · · ·	•			•
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		\checkmark			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		\checkmark	,		
WMP	Is the refuse disposed of regularly and properly?					<u> </u>
WMP	Are burning of refuse at site and dumping at sea prohibited?	1	\Box			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)?	\checkmark				

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

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WATER QUALITY

Ref	Checklist Condition	N/A	Yes	Ño	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 charmels provided where necessary?	V				
PN1/94	Are measures taken to minimize the ingression range and the ingression	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 ramstorms?" Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the dramage system?	×/				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily scaled so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul severs?	\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				

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?					
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the lan 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 sched	Are working programmes scheduled to minimize noise nuisance?					<u></u>
EM&A: Cl	Are construction works or equip nuisance?		~				
EM&A: Cl	Are all plant and equipment main conditions?		V				
EM&A: C1/GP	Is idle equipment turned off or t	Is idle equipment turned off or throttled down?				1	
EM&A: Cl	Are methods of working devised nuisance?	Are methods of working devised and arranged to minimize noise nuisance?					
EM&A: C1)	Are construction works carried muisance?		\checkmark				
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?		\checkmark				
EM&A: C3	To mitigate night time construc equipped with silencers or muff	tion noise, is dredging equipment lers?	\checkmark			1	
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		V				
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand					
	Major noise source(s)	Construction activities		Cons site Othe		on acti	vities inside the
		outside the site		oute	· · ·		

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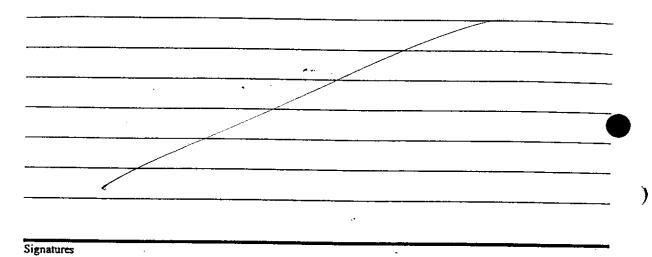
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Abbreviation

VEP:	Varied Environmental Permit		
"VMP	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		
PN1794:	Practice Note for Professional Persons (Co	istruction Site (Drainaue)
Unk:	Unknown		

Remark



ET Member

Contractor's Representative

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(Name in Block letters: W.C. Yip Resident Engineer

(Name in Block letters: Wony the Hory Limp

11th November 2002

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CN-04/9013

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

Inspection date	65692	006 Time 09	:15 hrs	Inspected E	
Site	LMX-	LI Electrical	Frection	Area.	Contractor: <u>PETER CHENIS</u> SANKO
Weather		/ .			
Condition	· · ·	V Fine	Overcast		Drizzle Rain Storm
Temperature]ິ℃	Humidity	High	Moderate	Low
Wind	Calm	Light 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?		\checkmark			

AIR QUALITY

Checklist Condition	N/A	Yes	No	Unk	Remarks
General Requirements	1	1			
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				
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			
Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	1				
Construction Sites	1	1			
Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		1			Voter Sprav Provided R
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?					
	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

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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?	J				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	~				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	~				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?					
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	~				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?]				
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	1				· · · ·
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		\checkmark			· · ·
	Transfer of dusty materials using a belt conveyor system	1				- 4 8
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?	\checkmark				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	7				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
	Concrete batching plant	. !			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?	<i>✓</i>				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	S				<u></u>
ЕМ&А: A2	Are all the conveyor transfer points totally enclosed?	$\overline{\checkmark}$				

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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?	1				
Cap3110	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?	V								
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?	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?]			•					
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	J								
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?	J								
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?		J							
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		1							
WMP	Is the refuse disposed of regularly and properly?		~							
WMP	Are burning of refuse at site and dumping at sea prohibited?	L	\Box							
	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?	~						
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	J			<u></u>	£		
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?							
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	1						
	Storage, collection and transportation of waste							
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		V					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	1						
<u> </u>	(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?	J				· · · · ·
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?	J				
PN1/94	Are open stockpiles of construction materials (e.g. aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	1	-			
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	J				
	Groundwater					
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?					1.000

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

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

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NOISE

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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?		~			
EM&A: Cl	Are construction works or equinuisance?	pment sited to minimize noise		7			
EM&A: Cl	Are all plant and equipment ma conditions?	intained in good operating		٦.			
EM&A: C1/GP	Is idle equipment turned off or throttled down?			J			
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?			J			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?			J			
EM&A: C2	 To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? 		1				
EM&A: C3	To mitigate night time 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	5				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		7				
NCO	Are valid noise emission labels the held percussive breakers?	fixed at air compressors and hand	5				
	Maion noise course (c)	Traffic	1	Constru site	iction	activit	ics inside the
	Major noise source(s)	Construction activities outside the site	Others				

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Abbreviation

VEP:	Varied Environmental Permit		
WMP:	Waste Management Plan	EM&A:	EM&A Manual (Construction Phase)
Cap311R:	APC (Construction Dust) Regulation	NCO:	Noise Control Ordinance
Cap3110:	APC (Open Burning) Regulation	WDO:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance		
PN1/94:	Practice Note for Professional Persons (Cons	struction Site I	Drainage)
Unk:	Unknown		-

Remark

Signatures

ET Member

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Contractor's Representative

(Name in Block letters:

PDE T.T. CHIN)

(Name in Block letters: 16 Br. (HEM) SANKO.

12th January 2005

CN-04/9013.

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

Inspection date	13829 2006	Time .09:38 hrs	Inspected E	By ET: T.F. CHIN /PDE
Site	LMX - 19 0	Electrical Freeton	Hrea.	Contractor: C.C.Lo SANKO
Weather				
Condition	Sunny F	ine Overcas	Hazy	Drizzle Rain Storm
Temperature 24]°C ::	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?		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		1	I	ł
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	1				
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark			Vater Spray Provided Bu
	Stockpiling of dusty materials					0
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	\checkmark				

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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?	\checkmark				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	V				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?]				
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	~				
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?	\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?		/			
	Transfer of dusty materials using a belt conveyor system			L	I	
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	v				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	\checkmark				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	J				<u></u>
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?	v				
EM&A: A2 `	Are dusty materials, except cement and dry PFA, wetted by water spray system?	v				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	V				
EM&A:	Are all the conveyor transfer points totally enclosed?					

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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				
Cap3110	Is open burning prohibited?		\checkmark			
Cap311	Is black smoke emission from plant/equipment avoided?		$\overline{\mathbf{V}}$			

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?	V				
EM&A: E3	Are wastes disposed of at licensed sites?	\checkmark				
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~				
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?	V				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	v				
EM&A: E3	Are wastes disposed of at licensed sites?					
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		V			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		V			
WMP	Is the refuse disposed of regularly and properly?		\checkmark			
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)?	\bigvee				

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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?	V				
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	<i>V</i>				<u> </u>
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	~				
	Storage, collection and transportation of waste	·	L			
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		V			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	 (1) public fill materials for on-site reuse, or disposal at public filling area; 					
	(2) reusable / recyclable materials;					
	(3) un-reusable / non-recyclable waste for landfill disposal.		:			<u>_</u>
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?	1				

WATER QUALITY

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Ref	Checklist Condition	<u>N/A</u>	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?	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?	V				
PN1/94	Are open stockpiles of construction materials (e.g. aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	V				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	1				
	Groundwater	L				
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?					

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

MARINE ECOLOGY

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

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Page 5 of 7

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NOISE

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : Cl	Are working programmes schee	duled to minimize noise nuisance?		\checkmark			·····
EM&A: CI	Are construction works or equinuisance?	pment sited to minimize noise		V			
EM&A: C1	Are all plant and equipment ma conditions?	intained in good operating		V .			
EM&A: C1/GP	Is idle equipment turned off or t	idle equipment turned off or throttled down?					
EM&A: C1	Are methods of working devise nuisance?		\checkmark				
EM&A: Cl)	Are construction works carried nuisance?		V				
EM&A: C2	holidays, is either one of the fol a) Mitigation by portable nois	b) Rescheduling of some powered mechanical equipment to less					
EM&A: C3	To mitigate night time construct equipped with silencers or muff	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 the held percussive breakers?	fixed at air compressors and hand	1				
	Major noise source(s)			Constru site Others		activit	ies inside the

Page 6 of 7

Abbreviation

(Construction Phase)
Ordinance
Ordinance

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Remark

Signatures

ET Member

Contractor's Representative

(Name in Block letters: TE CHIM POT

(Name in Block letters:

SANKER CcLo

12th January 2005

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CN-04/9013

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

Inspection date	20 SEP 2006	Time 10:37 hrs	Inspected I	
Site	LMX- 19 8	Hectrical Frection &	bea.	Contractor: <u>C. Lo</u> SANKO.
Weather				
Condition	Sunny	Fine V Overca	st 🗌 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 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

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	1	<u> </u>		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?	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?		\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?	V		-		
	Construction Sites		•	•		
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					Whiter Sprays Piravided Bi
	Stockpiling of dusty materials					Č
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?	J				

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 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					
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?	J				
	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?	J				
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?		\checkmark			
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?	\checkmark				
	Concrete batching plant	I				
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	V				
EM&A: A2`	Are dusty materials, except cement and dry PFA, wetted by water spray system?	J				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?					
EM&A:	Are all the conveyor transfer points totally enclosed?	V/				

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Checklist Condition	N/A	Yes	No	Unk	Remarks
Miscellaneous					
Are completed earthworks sealed and hydroseeded and planted as soon as possible?	\checkmark				
Is open burning prohibited?		V			
Is black smoke emission from plant/equipment avoided?		$\overline{\checkmark}$			
	Miscellaneous Are completed earthworks sealed and hydroseeded and planted as soon as possible? Is open burning prohibited?	Miscellaneous Are completed earthworks sealed and hydroseeded and planted as soon as possible? Is open burning prohibited?	Miscellaneous Are completed earthworks sealed and hydroseeded and planted as soon as possible? Is open burning prohibited?	Miscellaneous Are completed earthworks sealed and hydroseeded and planted as soon as possible? Is open burning prohibited?	Miscellaneous Are completed earthworks sealed and hydroseeded and planted as soon as possible? Is open burning prohibited?

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	\checkmark				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	v		 		
EM&A: E3	Are wastes disposed of at licensed sites?	\checkmark				-
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~				
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?	✓				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?					
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?		V			
WMP	Is the refuse disposed of regularly and properly?		~			
WMP	Are burning of refuse at site and dumping at sea prohibited?]	1			
	Chemical Waste					<u>.</u>
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	J				

Countries or

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	V				
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	1				
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste''?	J	-			
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	/				
	Storage, collection and transportation of waste					<u> </u>
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	 public fill materials for on-site reuse, or disposal at public filling area; 					
	(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?	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?	J				
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?	4				
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?	J				
	Groundwater	ļ			1	
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	\int				

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water				·	
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	\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?	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?	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?	$\overline{\mathbf{J}}$				

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Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: Cl	Are working programmes sche	duled to minimize noise nuisance?		N			· · · · · · · · · · · · · · · · · · ·
EM&A: Cl	Are construction works or equi nuisance?	pment sited to minimize noise		V			
EM&A: C1	Are all plant and equipment ma conditions?	intained in good operating		N .			
EM&A: C1/GP	Is idle equipment turned off or	throttled down?		/			
EM&A: Cl	Are methods of working devise nuisance?	ad and arranged to minimize noise		7			
EM&A: C1)	Are construction works carried nuisance?	out in a manner to minimize noise		\checkmark			
EM&A: C2	To mitigate construction noise of holidays, is either one of the fol a) Mitigation by portable nois b) Rescheduling of some powe sensitive time periods?	lowing measures adopted?	/				
EM&A: C3	To mitigate night time construc 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 r relevant part(s) of the works im	J	-			<u> </u>	
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand	V				
	-	Traffic		Constr	uction	activi	ies inside ti

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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 (C Unknown				NCO: WDO:	EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Drainage)				
Remark		n an	.`	•						
	1997 - 1997 -									
	1.1. + 1. 1.1 1.	· · · · ·								
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Signatures

ET Member

Contractor's Representative

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IEC's Rept

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

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(Name in Block letters: T- F. CHIU

poz-

(Name in Block letters:

C.C.Lo. _) SANKO.

Name in Block M۰

12th January 2005

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

Inspection date	27 Stp 2006 Time D: 235/15 Inspected By ET: W.L. L1/PDE
Site	WX -15 Outin Erection Atea. Contractor: PETER CHENG/SAWKO
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	P℃ 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?		J			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		\checkmark			

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AIR QUALITY

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
· · · · · · · · · · · · · · · · · · ·	General Requirements					•
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	1				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		7			
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
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		V			Vou-Spry. Kouded 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?	1				

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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?	1				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	V				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?]				
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V				
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?	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			
	Transfer of dusty materials using a belt conveyor system	L	I			I
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	V				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	5				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	1				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	V				
	Concrete batching plant					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	U				
EM&A:	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?	N				
EM&A:	Are all the conveyor transfer points totally enclosed?	$\overline{\nabla}$		1		

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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?	1				
Cap3110	Is open burning prohibited?		V			
Cap311	Is black smoke emission from plant/equipment avoided?		5			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	1	L	1		
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?	~				
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?	J				
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	J				
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	J				
EM&A: E3	Are wastes disposed of at licensed sites?	U				
	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?		5			
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)?	V				

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks		
WDO	Has the Contractor been registered as a chemical waste producer?							
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	V						
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	V						
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	J						
	Storage, collection and transportation of waste							
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?		~					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	\checkmark						
	 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?	J				
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?	v				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	J				

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Boring and Drilling Water					
PN1/94	Is water that used in ground boring and drilling for site investigation or rock/soil anchoring recirculated as far as possible after sedimentation? If there is a need for final disposal, is the wastewater discharged into storm drains via silt removal facilities?	N.				
	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				

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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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?	example to minimize noise)			
EM&A: Cl	Are all plant and equipment mai conditions?	intained in good operating		1			
EM&A: C1/GP	Is idle equipment turned off or the	hrottled down?		~			··
EM&A: C1	·	and arranged to minimize noise]			
EM&A: C1)	Are construction works carried on nuisance?	out in a manner to minimize noise		7			
EM&A: C2]				
EM&A: C3	To mitigate night time construct equipped with silencers or muffl	ion noise, is dredging equipment ers?	7				·
NCO	Are valid construction noise per inspection?	mits, if required, available for	1				
NCO	Are conditions of construction no relevant part(s) of the works imp		7				
NCO	Are valid noise emission labels f held percussive breakers?	îxed at air compressors and hand	J				
	Major noise source(s)	Traffic		Constr site	uction	activi	ties inside the
		Construction activities outside the site		Others	<u> </u>		

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

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Remark

Signatures

ET Member

Contractor's Representative

i.

(Name in Block letters: w. L (1)

(Name in Block letters:

TERCHER SSK,

12th January 2005

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

Inspection date	06/09/06 Time 09:30	Inspected by	ET: Eric Dai
mspection date		ı	Contractor: Kaden
Site	Transmission Route (Civil Work)		
Weather			
Condition	Sunny Fine Overcast	Hazy	Drizzle Rain Storm
Temperature	32 °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	-1				······
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		~			
	Use of vehicles	.,				
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	1		_		
	Miscellaneous				- <u>r</u>	·
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	ls 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?	1				
	Construction Waste and Excavated Materials				.	
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~				
Cap354	Are wastes disposed of at licensed sited?	~				
	Chemical Waste					
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	~				
Cap354C	Has the Contractor registered as a chemical waste producer?	-	~			
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	~				

MARINE ECOLOGY

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

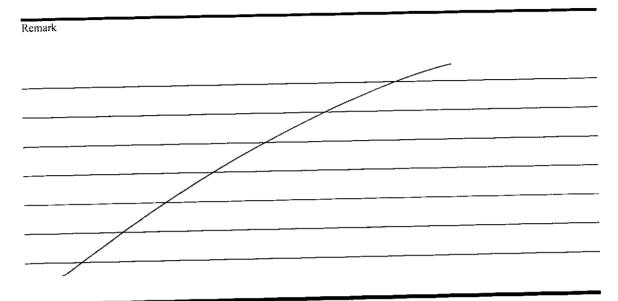
Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: Li	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	~				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing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

TERRESTRIAL ECOLOGY

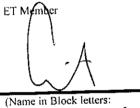
Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: Ol	Are the construction activities at lan monitored to avoid impact on the ur species <i>Celtis biondii</i> , <i>Pteris dispar</i> restricted plants <i>Vitis balansaeana</i> , and <i>Rhapis excellsa</i> ?	and Ardicia pusilla, and the		~			
EM&A: O2	Are fences erected in accordance w in good condition along the bounda prevent tipping, vehicle movements personnel into adjacent woodcd are uncommon and restricted plant spec	ry of construction sites to a, and encroachment of as, particularly where the rare,		~			
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and th surrounding areas?	ed to ensure that the work site at no damage occurs to		~			
EM&A: Q4	Is open fire prohibited and prevente boundary during construction? Is to equipment provided in the work are	emporary fire fighting		~			
·		Traffic			nstruc site	ction ac	ctivities inside
	– Major noise source(s) –	Construction activities outside the site		Ot	hers:		

Varied Environmental Permit	EM&A:
APC (Construction Dust) Regulation	NCO:
APC (Open Burning) Regulation	Cap354:
Air Pollution Control Ordinance	Cap354c:
Dumping at Sea Ordinance	Unk:
	APC (Construction Dust) Regulation APC (Open Burning) Regulation

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



Signatures



Eric, K Y Dai

Assistant Resident Engineer

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Contractor's Representative

(Name in Block letters:

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20th December 2001

Page 4 of 4

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

Inspection date	13/09/06 Time 09:30	Inspected by	ET: Eric Dai Contractor: Kaden
Site	Transmission Route (Civil Work)		
Weather			
Condition	Sunny Fine Overcast	Hazy	Drizzle Rain Storm
Temperature	26 °C Humidity → High	Moderate] Low
Wind	Calm Light I 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 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?	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				, <u></u>	, <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?		~			
	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
Cap311O	Is open burning prohibited?		~			
Cap311	Is black smoke emission from plant/equipment avoided?		1			

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Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials			<u>_</u>		
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	~				
Cap466	Are wastes disposed of at licensed sites?	1				
	Construction Waste and Excavated Materials					
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~				
Cap354	Are wastes disposed of at licensed sited?	1				
	Chemical Waste		•		5	· · · · · · ·
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1				
Cap354C	Has the Contractor registered as a chemical waste producer?	1	~			
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?	~				

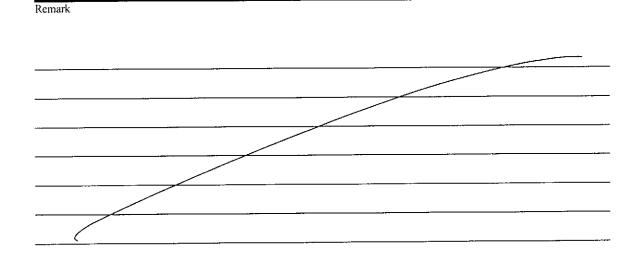
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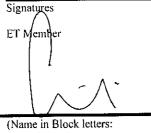
Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	×				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing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

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: Ol	monitored to avoid impact on the u species Celtis biondii, Pteris dispa	construction activities at landing points N4 & N5 closely d to avoid impact on the uncommon and rare plant <i>Celtis biondii, Pteris dispar</i> and <i>Ardicia pusilla</i> , and the l plants <i>Vitis balansaeana, Pterospermum heterophyllum</i> <i>pis excellsa</i> ?		1			
EM&A: O2	in good condition along the bounda prevent tipping, vehicle movement personnel into adjacent wooded are	re fences erected in accordance with the Hoarding Plan and kept good condition along the boundary of construction sites to event tipping, vehicle movements, and encroachment of ersonnel into adjacent wooded areas, particularly where the rare, neommon and restricted plant species are located?		~		1	
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and th surrounding areas?	as regular checking been performed to ensure that the work site bundaries are not exceeded and that no damage occurs to rrounding areas?		~			
EM&A: Q4	Is open fire prohibited and prevent boundary during construction? Is to equipment provided in the work ar	emporary fire fighting		~			
		Traffic	✓	Con the		ion act	ivities inside
	Major noise source(s) Construction activities outside the site			Oth	ers:		

VEP:Varied Environmental PermitEM&A: EM&A Manual (Construction Phase)Cap311R:APC (Construction Dust) RegulationNCO:Noise Control OrdinanceCap311O:APC (Open Burning) RegulationCap354: Waste Disposal OrdinanceCap311:Air Pollution Control OrdinanceCap354c: WDO (Chemical Waste) (General) RegulationCap466:Dumping at Sea OrdinanceUnk:





Eric, K Y Dai

Assistant Resident Engineer

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Contractor's Representative

(Name in Block letters:

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20th December 2001

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

Inspection date	20/09/06 Time 09:30	Inspected by	ET: Eric Dai Contractor: Kaden
Site	Transmission Route (Civil Work)		
Weather			
Condition	Sunny Fine Overcast	Hazy	Drizzle Rain Storm
Temperature	29 °C 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 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?	<u>}</u>	~			

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?		~					
	Use of vehicles							
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	1						
	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?		~			
Сар311	Is black smoke emission from plant/equipment avoided?		~			

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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?	1			.		
	Construction Waste and Excavated Materials	1					
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	~					
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	1			
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	~					

MARINE ECOLOGY

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

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

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 dispar 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 with the Hoarding Plan and kept a good condition along the boundary of construction sites to revent tipping, vehicle movements, and encroachment of ersonnel into adjacent wooded areas, particularly where the rare, ncommon and restricted plant species are located?			~			
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and th surrounding areas?	ned to ensure that the work site nat no damage occurs to		~			
EM&A: Q4	Is open fire prohibited and prevent boundary during construction? Is t equipment provided in the work ar	emporary fire fighting		1			
		Traffic	~	Cor the		tion ac	tivities inside
	Major noise source(s) Construction activities outside the site			Oth	iers:		

EM&A: EM&A Manual (Construction Phase) Varied Environmental Permit VEP: APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Cap311R: Cap311O: Cap311: Noise Control Ordinance NCO: Cap354: Waste Disposal Ordinance Cap354c: WDO (Chemical Waste) (General) Regulation Unknown Cap466: Dumping at Sea Ordinance Unk: Remark Signatyres Contractor's Representative ET Member Agent? (Name in Block letters: (Name in Block letters Dai cksin ۰ Assistant Resident Engineer

20th December 2001

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

Inspection date	27/09/06 Time 09:30	Inspected by ET: Eric Dai Contractor: Kaden
Site	Transmission Route (Civil Work)	
Weather		
Condition	Sunny Fine Overcast	Hazy Drizzle Rain Storm
Temperature	29 °C 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 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	Uuk	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: Seh 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	~				
	Stockpiling of dusty materials	L	L	I		
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			4 4		
Cap311R: Sch 16	Are completed carthworks sealed and hydroseeded and planted as soon as possible?	~		:		

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

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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?	4						
Cap466	Are wastes disposed of at licensed sites?	~						
	Construction Waste and Excavated Materials	•						
Cap354	Does the Contractor possess a valid Public Dumping Liccuse 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)?	-	į					
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"?	~						

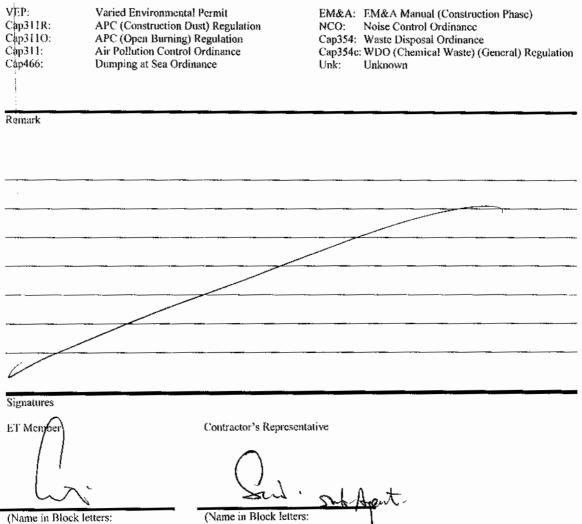
MARINE ECOLOGY

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	~				
EM&A: L2 ~ L5	Are quict PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	~				
NCO	Are valid construction noise permits, if required, available for inspection?	~				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	~	-			
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 <i>Celtis biondii</i> , <i>Pteris dispar</i> restricted plants <i>Vitis balansaeana</i> , and <i>Rhapis excellsa</i> ?	ncommon and rare plant r and Ardicia pusilla, and the		4			
EM&A: O2	Arc fences erected in accordance w in good condition along the bounda 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?	ned to ensure that the work site nat no damage occurs to		~	İ		
EM&A: Q4	Is open fire prohibited and prevent boundary during construction? Is to equipment provided in the work ar	emporary fire fighting		1			
		Traffic	¥	Cor the	nstruction activities inside		
	Major noise source(s)	Construction activities outside the site		Oth	ers:		



Eric, K Y Dai

Assistant Resident Engineer

ent. (Name in Block letters: Sin Chy

20th December 2001

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

Inspection date	$1/9/06$ Time $1/:10$ Inspected by ET: $C_1 C_2$
Site	Outside Laward PT- I, N. & My
Weather	
Condition	Sunny Fine Overcast Hazy Drizzle Rain Storm
Temperature	24 °C Humidity High Moderate Low
Wind	Calm Light Breeze Strong

GENERAL

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most 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	1				•
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	/				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	/				
	Stockpiling of dusty materials	·		·		
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	/				
	Use of vehicles					
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?					
···· ··· ··· ··· ··· ··· ··· ··· ··· ·	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?					

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Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap3110	Is open burning prohibited?	/				
Сар311	Is black smoke emission from plant/equipment avoided?	/				

Ref	Checklist Condition	N/A	Yes	No	Uak	Remarks		
	Dredged Materials	•	• • • •	1	·	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?	/						
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"?	1						

MARINE ECOLOGY

L

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

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

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: Ol	Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species Celtis biondii, Pteris dispar and Ardicia pusilla, and the restricted plants Vitis balansaeana, Pterospermum heterophyllum and Rhapis excellsa?						
EM&A: O2	Are fences erected in accordance with the Hoarding Plan and kept in good condition along the boundary of construction sites to prevent tipping, vehicle movements, and encroachment of personnel into adjacent wooded areas, particularly where the rare, uncommon and restricted plant species are located?						
EM&A: Q3	Has regular checking been perfe boundaries are not exceeded and surrounding areas?	ormed to ensure that the work site d that 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	Construction activities inside the site Others				
	Major noise source(s)	Construction activities outside the site					

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

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

Remark

Signatures

ET Member

Contractor's Representative

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(Name in Block letters: KLLAN

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(Name in Block letters: BZRRY YUZH

Page 4 of 4 F:\DEN\EXCHANGE\Em&a_le\Checklist\TCHKLST2.DOC