Appendix H

Site Audit Summary

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

Inspection	date $2/1/63$ Time 6.00 Inspect	ted By			<u>nley</u>	Own_
Site	LMX- Ste Formation		Cont	racto	or: 🕠	L. Heri
JIW.	LIIX - THE FOLMATION					
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [R	ain Stor
Temperatu	re[2 °C Humidity High Modera	te 🗌	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL				•		
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
AIR QUAL	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	·		<u></u>	_	<u> </u>
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?					
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?	-	/			ja in-
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?		,			
	Construction Sites	L.,				
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					
	Stockpiling of dusty materials	<u></u>				
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		,			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
<u></u>	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?		,			
Cap311R: Sch 15(4)	Are the handlings of cernent 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?	$\sqrt{}$				
	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?					
<u></u>	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?				į	
	Transfer of dusty materials using a belt conveyor system					<u> </u>
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
	Concrete batching plant					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?					
EM&A:	Are all the conveyor transfer points totally enclosed?	1				

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

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials		<u>,</u>			
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?		7.50			
EM&A: E3	Are wastes disposed of at licensed sites?				-	
	Construction Waste and Excavated Materials	· +				
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?					
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	/	•			
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	$\sqrt{}$	-		Ü	-
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?		$\sqrt{}$			
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	* 14	-			
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?		$\overline{\mathcal{I}}$			· <u>-</u> . •
WMP	Are burning of refuse at site and dumping at sea prohibited?					
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?					

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

WATER QUALITY

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

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

MARINE ECOLOGY

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?					-, <u>.</u> -
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?	17				

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A:	Are working programmes schedu				<u>-</u>		
EM&A: C1	Are construction works or equipm nuisance?	nent sited to minimize noise		_/	r		
EM&A: Ci	Are all plant and equipment main conditions?	tained in good operating					
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?					
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried or nuisance?	ut in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise du holidays, is either one of the folloa) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?		/				
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle		/				
NCO	Are valid construction noise perr inspection?	mits, if required, available for		/			
NCO	Are conditions of construction no relevant part(s) of the works imp	oise permits, if any, for the demented accordingly?		/			
NCO	Are valid noise emission labels f held percussive breakers?	fixed at air compressors and hand					
· .	Main raise course(c)	☐ Traffic	Ø	Const site	ructio	n activ	vities inside the
	Major noise source(s)	Construction activities outside the site		<u> </u>			

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

11th November 2002

(Name in Block Tetters: STANUEY CLUM

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

Inspection	date 8/1/07 Time 6.40 Inspect	ted By	ET:	<u> Ua</u>	tes 1	Ju
Site	LMX- Ste Formation		Cont	racto	or: `w	.k. Hui
	FICE TOWARD					
Veather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [R	ain Sto
Temperati	ure 0 °C Humidity High Moderat	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL						•
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
LIR QUAL! Ref.	Checklist Condition	N/A	Yes	No	Unk	Dl
1441.	General Requirements	IVA	169	140	UHK	Remarks
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		\checkmark			-
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?				~	
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/	,			
	Construction Sites	<u> </u>				I
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/		,	
	Stockpiling of dusty materials					
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to					_

maintain the entire surface wet to prevent dust emission?

Ref.	Checklist Condition	N/A	Yes	No.	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	/				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	\checkmark				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/	_			
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	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?		/			
<u> </u>	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?					
	Transfer of dusty materials using a belt conveyor system					
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
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?	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?	7		I^{-}		1

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

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

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

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?	7				
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?					, <u>,, 18, 44.</u>

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1		ıled to minimize noise nuisance?		\checkmark			
EM&A: C1	Are construction works or equipanuisance?	ment sited to minimize noise		/			
EM&A: C1	Are all plant and equipment main conditions?	ntained in good operating			,		
EM&A: C1/GP	Is idle equipment turned off or the			$\sqrt{}$	*		
EM&A: CI	Are methods of working devised nuisance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried on nuisance?	out in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise d holidays, is either one of the foll a) Mitigation by portable nois b) Rescheduling of some powers sensitive time periods?	uring Sunday's and public owing measures adopted? e barriers at noise sources or ered mechanical equipment to less		\			
EM&A: C3	To mitigate night time construct equipped with silencers or muffl	ion noise, is dredging equipment lers?	/				
NCO	Are valid construction noise per inspection?	mits, if required, available for		/			
NCO	Are conditions of construction n relevant part(s) of the works imp	oise permits, if any, for the plemented accordingly?		/	1		
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand					
		☐ Traffic		Const site	ructio	n acti	vities inside the
 	Major noise source(s)	Construction activities outside the site		Other	s		

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

11th November 2002

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 \\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ed By			Mey (7
Site	LMX- Site Formation		Cont	1ack	и. _V и.	K. Hui	j
Weather					-		_
Condition	Sunny Fine Overcast Hazy		Driz	zle [R	uin Sto	rm
Temperatu	re[6] °C Humidity High Moderat	te	Low	v			
Wind	Calm Light Breeze Strong						
GENERAL					•	·	
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	7
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/				-
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?						
							_
AIR QUALI	TY						
						·	٦.

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks		
	General Requirements			<u> </u>				
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Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?							

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
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Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	\checkmark				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	/				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?		-			
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials					
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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?					
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Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?					
···········	Concrete batching plant					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?					
EM&A:	Are all the conveyor transfer points totally enclosed?	17				

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?		$\sqrt{}$			-
Cap311	Is black smoke emission from plant/equipment avoided?		>			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials				•	<u> </u>
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?			-,		
EM&A: E3	Are wastes disposed of at licensed sites?					
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?					
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?		/			
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?)			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?				:	
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?					
EM&A: E3	Are wastes disposed of at licensed sites?			77.73	for the second	
	General refuse	•	4			
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?		i			
WMP	Is the refuse disposed of regularly and properly?		$\sqrt{}$	·		
WMP	Are burning of refuse at site and dumping at sea prohibited?		\checkmark		<u> </u>	
	Chemical Waste		,			
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	/				
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	/				
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste ¹¹ ?	1				
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	/				
	Storage, collection and transportation of waste					
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?	E.				
	(1) public fill materials for on-site reuse, or disposal at public filling area;					
	(2) reusable / recyclable materials;					
<u></u>	(3) un-reusable / non-recyclable waste for landfill disposal.	1				
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?					

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
· · · · ·	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?					
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	1				
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?					
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	/				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm	1	1	}	-	<u> </u>
F111/74	drains after the removal of silt in silt removal facilities?	V	L		<u> </u>	l

Ref	Checklist Condition	N/A	Yes	Ne	Uak	Remarks
	Bering and Orilling Water					
PMI/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 sitt removal facilities?	/	,			
	Wheel Washing Water					
PN1/94	Is a wheel-washing bay provided at every exit if practicable and is the silt removed from wash-water before discharging into storm drains?		$\sqrt{}$			

MARINE ECOLOGY

Ref	Checkfirst Condition	N/A	Yes	No	Unk	Remarks
EM&A: GI	Are all percessive piling works conducted on reclaimed land to avoid noise impact to marine maranals?	V				
EM&A: G2	Do the marine vessels moving 20 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 Sit Curtain"?		/			
EM&A: G3	is rubble mound servall constructed to the couth and west edges of the reclaration to enhance recolonisation of marine organisms?		-			···

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A:	Are working programmes schedul			√			
EM&A: CI	Are construction works or equiper nursance?	ent sited to minimize relise		1			
ЕМ&А: С1	Are all plant and equipment main conditions?	ained in good operating		/			
EM&A: CI/GP	Is idle equipment turned off or thr	<u> </u>					
EM&A: CI	Are methods of working devised a maissnes?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried on nulsance?	rt in a manner to minimize noise					
EM&A: C2	To mitigate construction poise dar holidays, is either one of the folio a) Mitigation by pertable noise b) Rescheduling of some power seasitive time periods?	wing measures adopted? Samiers at noise sources or		/	•		
EM&A: C3	To untigate eight time construction equipped with altenears or muffle	on noise, is dredging equipment as?	V				
NCO	Are valid construction noise permisspection?	aits, if required, available for		1	Ì		<u> </u>
NCO	Are conditions of construction no relevant part(s) of the works impl	age permits, if any, for the emented accordingly?					
NCO	Are valid noise emission labels fi held percussive breakers?	ned at air compressors and hand		\prod			
		Traffic	Q	Coust site	trection	n acti	vities inside the
•	Majer make source(s)	Construction activities outside the site		Othe	TE		<u> </u>

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

11th November 2002

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

Inspection	date \[1 \left[\delta \cdot \] Time \[\left[\delta \cdot \delta \cdot \] Inspect	ted By	ET:	Ç	lonley	Cun
			Con	tracto		1. K. Hui
Site	LMX- Site Foundan					
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zie	R	ainSto
Temperat	ure B °C Humidity High Modera	te [_	Lov	W		
Wind	Calm Light Breeze Strong					
GENERAL		'				-
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?	 				
AIR QUAL Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	IVA	163	140	UIIK	Remarks
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?	er er er er	✓		Fada - T	
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?		·			
"	Construction Sites	<u></u> .				
EM&A: Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?	-				
	Stockpiling of dusty materials					
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		'			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
."	Cement and dry pulverized fuel ash (PFA)					<u> </u>
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	1	٠.			
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	/				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	\checkmark				
	Loading, unloading or transfer of dusty materials					
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?	$\overline{\ }$	•			
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
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	√				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1				
	Concrete batching plant					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	$\sqrt{}$				
EM&A:	Are all the conveyor transfer points totally enclosed?					

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

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	-				
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	\checkmark				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?				_	
EM&A E3	Are wastes disposed of at licensed sites?					
	Construction Waste and Excavated Materials			•		
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?					·
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?					
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	/		:		
WMP .	Are the used formworks reused as far as possible before being disposed of in a landfill site?		$\sqrt{}$			
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?		Serie			· ·
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?		$\sqrt{}$			
WMP	Are burning of refuse at site and dumping at sea prohibited?		$\sqrt{}$			
	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)?			7	-	

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?	$\sqrt{}$,				
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:	Are wastes transported by enclosed containers or covered trucks?								
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?								
	(1) public fill materials for on-site reuse, or disposal at public filling area;	/							
	(2) reusable / recyclable materials;	\							
	(3) un-reusable / non-recyclable waste for landfill disposal.	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?	/				
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?	/		. an 27	M 2	
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	\ \ -				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/	 			
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?					

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	/	,			
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?		✓			
EM&A: G3	Is rubble mound 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:	Are working programmes schedul						
EM&A: C1	Are construction works or equipm nuisance?	ent sited to minimize noise		/	1		
EM&A: Cl	Are all plant and equipment main conditions?	tained in good operating		/	•		
EM&A: C1/GP	Is idle equipment turned off or the	rottled down?		\checkmark			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried or nuisance?	nt in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise du holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	wing measures adopted?		/			
EM&A: C3	To mitigate night time construction coupped with silencers or muffle	on noise, is dredging equipment ers?	1				
NCO	Are valid construction noise perminspection?	nits, if required, available for		/			
NCO	Are conditions of construction no relevant part(s) of the works imp	oise permits, if any, for the lemented accordingly?		/			
NCO	Are valid noise emission labels fi held percussive breakers?	ixed at air compressors and hand		V			
<u></u>	☐ Traffic		Ą	Const	ructio	on acti	vities inside the
_	Major noise source(s)	Construction activities outside the site		Other	rs		<u> </u>

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

11th November 2002

(Name in Block letters:

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

Inspection	date \(\frac{19/1/03}{100} \) Time \(\left(0 = 00 \) Inspect	ted By			aley !	
Site	LMX - Site formation		Cont	Hact(<u>ы: М</u>	· K. Hai
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle	R	ainSt
Temperat	ure 🕜 °C Humidity 🔙 High 🗸 Modera	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		1			
UR QUAL Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements		103		UIR	IXCINAL RS
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	-	<i></i>	::	_	
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?	.,	✓			
Сар311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
	Construction Sites			لـــــا		<u>.</u>
EM&A : A1					_	
	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		\checkmark			
Cap311R:			\checkmark			

maintain the entire surface wet to prevent dust emission?

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					
Cap311R:	Are the storage silos for cement or dry PFA prevented from			1		
Sch 15(3)	overfilling?					
	DEA shows he satelly or clared			ļ		
Cap311R:	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent					
Sch 15(4)	of the system?					
	of the system:	'				
Cap311R:	Is bulk cement or dry PFA stored in a closed silo fitted with a					
Sch 15(2)	high-level alarm?					
		V		-		
Cap311R:	Are the cement, dry PFA or other dusty materials collected by the	/				
Sch 17	air pollution control equipment disposed of in totally enclosed			1		
	containers?	🗸				
	T - 1			I	·	L
G -314D-	Loading, unloading or transfer of dusty materials Are dusty materials, except cement and dry PFA, sprayed with	1		1		ŀ
Cap311R: Sch 19	water immediately prior to any loading, unloading or transfer		,			
JU 17	operation?					
			L *			
EM&A:	Are the dropping heights of the fill materials controlled to a		/	1		
A1	practical level to minimize fugitive dust emission?		$ \sqrt{\ } $			
		ļ		<u></u>	<u> </u>	L
	Use of vehicles					
Cap311R:	Is every load of dusty material on the vehicles leaving the					1
Sch 21(2)	construction site covered entirely by clean impervious sheeting?	/		l		<u> </u>
EM&A:	1	🗸		ĺ		
<u>A1</u>		<u> </u>		╀		
Cap311R:	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before			1		
Sch 21(1)		/		1		
	leaving the construction site?	\vee				
		<u> </u>			<u> </u>	1
	Transfer of dusty materials using a belt conveyor system	Т	ı -	1		1
Cap311R:	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	1 ~				1
Sch 20(1)	the top and 2 sides:	$ \checkmark $				
Cap311R:	Is every transfer point between any two-belt conveyors totally			1		
Sch 20(2)	enclosed?	/				
J42 24(2)		\vee				
Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of				· - · · · · · · · · · · · · · · · · · ·	
Sch 20(3)	every conveyor? Is the belt scraper equipped with bottom plates	1 /	-	1	ļ ·	-
	or similar means to prevent falling of materials from the return	1. /			1	
	belts?	~].	1		
Cap311R:	Are stockpiling conveyors equipped with level adjusting		 	╁┈	 	
Sch 20(4)	mechanism to maintain the dropping height within 1 m?	/	ŀ			
Jun 20(3)		1		1	<u></u>	
	Concrete batching plant					
EM&A:	Are the loading, unloading, handling, transfer or storage of any		·	T		
A2	dusty materials carried out in a totally enclosed system?	1./		1	1	
		\ <u>\</u>	<u> </u>	_	<u> </u>	
EM&A:	Are dusty materials, except cement and dry PFA, wetted by water	/		-	1	1
A2	spray system?	[🗸				
	1 If the service has a section of the set (2) aides up to 2 m.	+ ;	 -	+	+	
EM&A:	Are all the receiving hoppers enclosed on three (3)sides up to 3m	+ $/$	l	1		1
A2	above unloading point?	10/	1		1	
	<u> </u>	/-	+	+	1	1
EM&A:	Are all the conveyor transfer points totally enclosed?	11	1			

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

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

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	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?	,/				

NOISE

Ref	Checklist Condition	<u></u>	N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedul			\checkmark			_, . .
EM&A: C1	Are construction works or equipm nuisance?	ent sited to minimize noise		/			
EM&A: Ci	Are all plant and equipment maint conditions?	ained in good operating		/			
EM&A: CI/GP	Is idle equipment turned off or thr			\checkmark			
EM&A: C1	Are methods of working devised a nuisance?	and arranged to minimize noise		/			
EM&A: Cl)	Are construction works carried or nuisance?	at in a manner to minimize noise		/			·
EM&A: C2	To mitigate construction noise du holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	wing measures adopted?		√			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle	on noise, is dredging equipment ers?	/				
NCO	Are valid construction noise perminspection?	nits, if required, available for		/			
NÇO	Are conditions of construction no relevant part(s) of the works imp	oise permits, if any, for the lemented accordingly?		/			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?			/			
		☐ Traffic	Ø	Const	tructio	n acti	vities inside the
	Major noise source(s)	Construction activities outside the site		Othe	rs		

Abbreviation					
VEP: WMP: Cap311R: Cap311O: Cap311: PN1/94: Unk:	APC (Open Burni Air Pollution Cont	nt Plan n Dust) Regulation ng) Regulation	NCO: WDO:	EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Prainage)	
Remark	•		· ·		_
NIL.					
	·***				
			<u>.</u>	· · · · · · · · · · · · · · · · · · ·	_
	, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,			
		·			—
			*11		—
Signatures					
ET Member		Contractor's Repres	entative		
July		HUI WAI	KWONG7	<u> </u>	
(Name in Block	letters:	(Name in Block lette			
STANLEY CL	HAN)	Omi wai Ku	<i>771</i> 45)		

11th November 2002

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

Inspection	late 2/1/03 Time 500 Inspect	ed By	ET:	7h	am	1 1 - 1	
Site	LUX-UNIT 19 PILING		Cont	racto	<u>"Ma</u>	insel Ch	Leh
Weather				· <u></u>	• •		_
Condition	Sunny Fine Overcast Hazy		Driz	zle [R	ainSt	orm
Temperatu	re[?]°C Humidity High	te _	Lov	v			
Wind	Calm Light Breeze Strong						
GENERAL							•
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		1				
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			- -	
AIR QUALI	TY						
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?	51 (151) 5 1 (151) 5 2 (155)		·	2000 April 100 1000 40	· · · · · · · · · · · · · · · · · · · ·	
Cap311R: Sch 12(3)				\vdash			┨
Cap311	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?						
-	from any vehicle, equipment, other materials or person. Is this						·
	from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Poliution Control Specified Processes Licenses for the concrete batching plant wherever			Î			
EM&A:	from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Poliution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?		<u>/</u>	Î			
EM&A:	from any vehicle, equipment, other materials or person. Is this observed? Do the contractors possess valid Air Poliution 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?						

Ref	Checklist Condition	N/A	Yes	No	Unk	Řemarks
_	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	/				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?		:			
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?		•		*	
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?					
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	6				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?					
· .	Transfer of dusty materials using a belt conveyor system			•		
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?		•••			·
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?					
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?					
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
•••"	Concrete batching plant					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/				
EM&A:	Are all the conveyor transfer points totally enclosed?	 /	 	+	 	

Ret	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellancous			·	*	<u>. </u>
Cap31 IR: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	1		,		
Cap3110	Is open burning prohibited?		/			
Cap311	Is black smoke emission from plant/equipment avoided?		/		·	

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials		·			L
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	1				<u>.</u> :=**
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				
EM&A: E3	Are wastes disposed of at licensed sites?	/				
	Construction Waste and Excavated Materials					·
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?		/			
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?		/		-	
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		/			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/		, ह.		v
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1		arteta	·	ru
EM&A: E3	Are wastes disposed of at licensed sites?	/	1 2000 (1 1 2000 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<u></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?		/			
WMP	Are burning of refuse at site and dumping at sea prohibited?				2.50	
	Chemical Waste					-
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?		/			

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

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

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

MARINE ECOLOGY

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

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A:	Are working programmes schedul			/			
EM&A: C1	Are construction works or equipm nuisance?	ent sited to minimize noise		/			
EM&A: Ci	Are all plant and equipment maint conditions?	ained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or thr	ottled down?	_	/			
EM&A: C1	Are methods of working devised a nuisance?	nd arranged to minimize noise		/			
EM&A: C1)	Are construction works carried ou nuisance?	t in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise du holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	wing measures adopted?		/			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle			/			
NCO	Are valid construction noise perminspection?	its, if required, available for		/			
NCO	Are conditions of construction no relevant part(s) of the works impl	ise permits, if any, for the emented accordingly?		/			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?			1			
<u>.</u>		☐ Traffic	Ø	Const	tractio	n activ	rities inside the
	Major noise source(s)	Construction activities		Other	rs _	· · · · · · · · · · · · · · · · · · ·	

Abbreviation

VEP:

Varied Environmental Permit

WMP:

Waste Management Plan

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

APC (Open Burning) Regulation
Air Pollution Control Ordinance

Cap311: PN1/94:

Practice Note for Professional Persons (Construction Site Drainage)

Unk: Unknown

Remark			,	
Nil	-			
	 ••			
		 		-
	 	 		,=:
				<u> </u>
	 			·
	 	 -		,
3		 ···.	-	

NCO:

WDO:

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

Noise Control Ordinance

Waste Disposal Ordinance

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

Mr. comas Li

(Name in Block letters:

MILLYMER CHEME)

11th November 2002

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

Inspection	date 1/03 Time 000 Inspect	ted By	ET:	7	hop	<u> </u>
Site	EMX - MAIL L9 PILING		Com	tracto	or:[∕∕[]	chael Ch
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle	R	ain Storm
Temperati	ure[[]]°C Humidity High [] Modera	te 🔽	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL						- 1132 - 1113 - 1113 -
Ref.	Checklist Condition	N/A	Yes	Ne	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		1			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
AIR QUAL	Checklist Condition	N/A	Yes	No		
	General Requirements	IVA	165	140	Uak	Remarks
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?	gu ta sij	/	i (E) See this	en e	र्गा कि कि स्टब्स् स्टब्स् अवस्थित अ
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?		/			¥m _a s.
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
·· . <u>.</u>	Construction Sites			'	<u></u>	<u> </u>
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			
	Stockpiling of dusty materials	I	1	 .		
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Řemarks
_	Cement and dry pulverized fuel ash (PFA)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	/				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?		:			
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?				*	
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		/			
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	6				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?				!	
· · ·	Transfer of dusty materials using a belt conveyor system			•	•	
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?		•••			·
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?					
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?					
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
	Concrete batching plant					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/				
EM&A:	Are all the conveyor transfer points totally enclosed?	1		1	 	1

Ref	Checklist Condition	N/A	Yes	1	Unk	Remarks
	Miscellaneous				,	
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	1			÷	
Cap3110	Is open burning prohibited?		/		-	<u> </u>
Cap311	Is black smoke emission from plant/equipment avoided?		/			. 1

WASTE/CHEMICAL WASTE MANAGEMENT

		Γ			_	·
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?	/		-t		
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				-
EM&A: E3	Are wastes disposed of at licensed sites?	/	· ·			
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?				ï	
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?		1		- 17 <u>- 1</u> - 17 1	
WMP .	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	3	/			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/		. 2	::: <u>.</u>	8
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?			منسد د. <i>آوراني</i>		Self-
EM&A: E3	- Are wastes disposed of at licensed sites?	1	V			5-1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?					
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			-
WMP	Is the refuse disposed of regularly and properly?		/			
WMP	Are burning of refuse at site and dumping at sea prohibited?					
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	ļ, ————————————————————————————————————				

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

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
<u></u>	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manhotes maintained and the deposited silt and grit removed regularly?					
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent crosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	/	**************************************	11#3/2517 1- 1.11		 !· · · ·
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?			7 1 1 1		
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	/	34 - 111 N			
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	/				
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?		-			

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

MARINE ECOLOGY

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

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: Ci		uled to minimize noise nuisance?			-		-
EM&A: Cl	Are construction works or equip nuisance?	ment sited to minimize noise		/			
EM&A: C1	Are all plant and equipment main conditions?	ntained in good operating		/			
EM&A: CI/GP	Is idle equipment turned off or the	rottled down?	-	/			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		/			-
EM&A: C1)	Are construction works carried on nuisance?	out in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise d holidays, is either one of the foll a) Mitigation by portable nois b) Rescheduling of some powers sensitive time periods?	uring Sunday's and public owing measures adopted? e barriers at noise sources or ered mechanical equipment to less		/			
EM&A: C3	To mitigate night time construct equipped with silencers or muffl	ion noise, is dredging equipment lers?		/			
NCO	Are valid construction noise per inspection?	mits, if required, available for		/			
NCO	Are conditions of construction n relevant part(s) of the works imp	oise permits, if any, for the plemented accordingly?		/			
NCO	Are valid noise emission labels held percussive breakers?	fixed at air compressors and hand		/			
	- i	☐ Traffic	Ø	Const site	ructio	n activ	ities inside the
	- Major noise source(s)	Construction activities outside the site		Other	s		

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

11th November 2002

MI CHAEL CHEUR ,

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

Inspection	date [5/1103] Time [15:06] Inspect	ed By	ET:	C	F	LEE	
Site	LMX - UNIT L& PILING		Cont	racto	r.Mic	hael Che	لملت
Weather							_
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	nin Stor	пn
Temperat	ure Humidity High Moderat	te 🔽	Lov	v			
Wind	Calm Light Breeze Strong						
GENERAL				-		·	_
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?						
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?				-	-	-
			·			· ·	_1

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	General Requirements					<u>.</u>			
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		/						
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			** ***			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?		/			· · · · ·			
 	Construction Sites			L					
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/		· - · · · ·				
	Stockpiling of dusty materials								
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		-						

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					<u> </u>
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?					
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?			<i>[</i>		
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?					
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	1				
EM&A: 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?	/				
	Transfer of dusty materials using a belt conveyor system					
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/		}		
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?					
	Concrete batching plant					
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?					
EM&A:	Are all the conveyor transfer points totally enclosed?					

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

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
Nei .	Checkist Collution	IVA	1 62	NO	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?			-		·
EM&A: E3	Are wastes disposed of at licensed sites?					
	Construction Waste and Excavated Materials	7				
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?		/			
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?		/			•
WMP .	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		/			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?					
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?				:	
EM&A: E3	Are wastes disposed of at licensed sites?	/				
	General refuse	·				
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			
WMP	Is the refuse disposed of regularly and properly?					
WMP	Are burning of refuse at site and dumping at sea prohibited?					
	Chemical Waste		,			
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?		/			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
WDO	Has the Contractor been registered as a chemical waste producer?								
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/						
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste ¹⁹ ?								
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		1			· <u>-</u>			
	Storage, collection and transportation of waste								
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?				-	 			
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?								
	(1) public fill materials for on-site reuse, or disposal at public filling area;		/						
,	(2) reusable / recyclable materials;		/						
	(3) un-reusable / non-recyclable waste for landfill disposal.		/		_				
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		/						

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?		1			
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?		1			
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:	Are working programmes schedu			/			
EM&A: C1	Are construction works or equipr nuisance?	nent sited to minimize noise		/			
EM&A: Ci	Are all plant and equipment main conditions?	tained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or th	rottled down?					
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried o nuisance?	ut in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise du holidays, is either one of the folka) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	owing measures adopted?		/			
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle	on noise, is dredging equipment ers?		/			
NCO	Are valid construction noise perrinspection?	nits, if required, available for		/			
NCO	Are conditions of construction no relevant part(s) of the works imp	oise permits, if any, for the lemented accordingly?		/			
NCO	Are valid noise emission labels find held percussive breakers?	ixed at air compressors and hand		/			
		☐ Traffic	Ø	Const site	ructio	n activ	rities inside the
	Major noise source(s)	Construction activities outside the site		Other	·s		

Abbreviation

VEP:

Varied Environmental Permit

WMP:

Waste Management Plan

APC (Construction Dust) Regulation

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

Cap311R: Cap3110:

APC (Open Burning) Regulation

NCO: Noise Control Ordinance WDO: Waste Disposal Ordinance

Cap311: PN1/94:

Unk: Unknown

Air Pollution Control Ordinance
Practice Note for Professional Persons (Construction Site Drainage)

Remark

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	·		 <u></u>	

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

(Name in Block letters: make their

11th November 2002

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

Inspection	date $22/1/03$ Time $16:00$ Inspect	ed By	ET:	<u></u>		LEE
Site	LHY- UNIT L9 PILING		COLH	Itacio	* ** () (chael Cheu
Weather		.		· ,		
Condition	Sunny Fine Overcast Hazy		Driz	zie [R	ain Stor
Temperatu	rre[1] °C Humidity High Modera	te	Lov	¥		
Wind	Calm Light Breeze Strong					<u></u>
GENERAL						- - ·
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/		·	
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?					
			• • • • • • • • • • • • • • • • • • •		٠.	-
AIR QUAL	ITY			Į.		* · · · · · · · · · · · · · · · · · · ·
Ref.	Checklist Condition	N/A	Yes	Ne	Unk	Remarks
P	General Requirements					
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a mainfable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?				11 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials os persoa. 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?	1				
	Construction Sites	L		J	l	
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/		 -	
	Stockpliing of dusty materials					
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	/				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					
Cap311R:	Are the storage silos for cement or dry PFA prevented from	_				
Sch 15(3)	overfilling?	/				
Cap311R:	Are the handlings of cement or dry PFA through a totally enclosed					
Sch 15(4)	system equipped with air pollution control equipment at the vent	/	:	'		
	of the system?	′				
Cap311R:	Is bulk cement or dry PFA stored in a closed silo fitted with a	_				
Sch 15(2)	high-level alarm?					
Cap311R:	Are the cement, dry PFA or other dusty materials collected by the					
Sch 17	air pollution control equipment disposed of in totally enclosed]		
	containers?					
	The state of the s		L			l
	Loading, unloading or transfer of dusty materials Are dusty materials, except cement and dry PFA, sprayed with			Τ-	Γ	<u> </u>
Cap311R: Sch 19	water immediately prior to any loading, unloading or transfer					
Dem 17	operation?	/				
	A state of the fill meterials controlled to a	ļ <u> </u>	<u> </u>	-		-
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		/		İ	
W.		İ		<u>L</u>	L	
	Use of vehicles					
Cap311R:	Is every load of dusty material on the vehicles leaving the					
Sch 21(2)	construction site covered entirely by clean impervious sheeting?	/			Ì	
EM&A: A1		[Ì			Į
Cap311R:	Is every vehicle wheel-washed by the wheel washing facilities to					
Sch 21(1)	remove any dusty materials from its body and wheels before			İ	1	
	leaving the construction site?	′				
 .	Transfer of dusty materials using a belt conveyor system		1			
Cap311R:	Are belt conveyors used for transfer of dusty materials covered on	T	Г	Т	T -	1
Sch 20(1)	the top and 2 sides?	1				
		 ′		╀	₩	
Cap311R:	Is every transfer point between any two-belt conveyors totally enclosed?					
Sch 20(2)					<u> </u>	
Cap311R:	Is a belt scraper or equivalent device installed at the head pulley of				1	1
Sch 20(3)	every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return		1			
	belts?	1				
		-	 	+	<u> </u>	<u> </u>
Cap311R:	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1 /	İ			
Sch 20(4)	monation to manage are applied to the		<u> </u>			<u></u>
	Concrete batching plant					
EM&A:	Are the loading, unloading, handling, transfer or storage of any					
A2	dusty materials carried out in a totally enclosed system?	1				
	Are dusty materials, except cement and dry PFA, wetted by water	1	-	+	1	1
FMR.A.		Ι.	ŀ	1	1	
EM&A:	spray system?	1 /	i		ļ	i
A2	spray system?	1	<u> </u>	+		
A2 EM&A:	spray system? Are all the receiving hoppers enclosed on three (3)sides up to 3m	/				
A2	spray system?	/				

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

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	•		'		
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				
EM&A: E3	Are wastes disposed of at licensed sites?	/			•	-V., V.
	Construction Waste and Excavated Materials	•				•
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	:	/			17.
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?					
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		/			1.5.12
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?	/				
,si	General refuse				<u>.</u>	
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?					
WMP	Is general refuse stored within receptacles and separated from chemical wastes?		/			
WMP	Is the refuse disposed of regularly and properly?					
WMP	Are burning of refuse at site and dumping at sea prohibited?	_				
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?		/			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	† -	/			
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		1			<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?		/		· · · · · · · · · · · · · · · · · · ·	
	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?		· -			-
	(1) public fill materials for on-site reuse, or disposal at public filling area;	 	/_		<u>-</u>	· · · · · · · · · · · · · · · · · · ·
	(2) reusable / recyclable materials;		/			
	(3) un-reusable / non-recyclable waste for landfill disposal.	<u> </u>	/			
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		/			

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?		/			
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?		/			
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 schede	uled to minimize noise nuisance?	-	/			
EM&A: C1	Are construction works or equip nuisance?	ment sited to minimize noise		/			
EM&A: C1	Are all plant and equipment main conditions?	ntained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or the	nrottled down?					
EM&A: C1	Are methods of working devised nuisance?	l and arranged to minimize noise		1			
EM&A: C1)	Are construction works carried o nuisance?	out in a manner to minimize noise		/			
EM&A: C2		uring Sunday's and public owing measures adopted? e barriers at noise sources or ered mechanical equipment to less		1			
EM&A: C3	To mitigate night time constructi equipped with silencers or muffle			/			
NCO	Are valid construction noise perr inspection?	nits, if required, available for		1			
NCO	Are conditions of construction no relevant part(s) of the works imp			1			
NCO	Are valid noise emission labels f held percussive breakers?	ixed at air compressors and hand		/			
	Major noise source(s)	☐ Traffic		Constr site	uction	activi	ties inside the
	Major noise source(s)	Construction activities					

VEP: WMP: Cap311R: Cap311O: Cap311: PN1/94: Unk:	Varied Environmenta Waste Management I APC (Construction D APC (Open Burning) Air Pollution Control Practice Note for Pro Unknown	Plan Just) Regulation Regulation	NCO: WDO:	EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Orainage)
Remark			·-····································	
NIL				
<u></u>				
	···	— a - ,		
Signatures				
ET Member		Contractor's Represent	ative	
(Name in Block let	`	(Name in Block letters: MICHAEL LILE OF		<u> </u>

11th November 2002

Abbreviation

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

Inspection	date 28/1/01 Time 15 200 Inspect	ed By	ET:	: 6	'F	LEE
Site	LMX - UNIT L8 PILING		Cont	racto	or: 150	may 1766
Weather	· · · · · · · · · · · · · · · · · · ·					
Condition	Sunny Fine Overcast Hazy		Driz	zle	R	ain Stor
Temperatu	re 20°C Humidity High Modera	te 🗌	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
AIR QUALI Ref.	TY Checklist Condition	N/A	Yes	No	Unk	Pamarka
:	General Requirements	IVA	163	140	UDK	Remarks
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?					
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?	*	1			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/		,		*
· · · · · · · · · · · · · · · · · · ·	Construction Sites	i				
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?	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?	/								
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	/				·				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/								
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/								
	Loading, unloading or transfer of dusty materials									
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	1			,	,				
EM&A: 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?	/								
	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?	/								
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/								
	Concrete batching plant					-				
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/		'						
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	1								
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	1								
EM&A:	Are all the conveyor transfer points totally enclosed?	1 /	 	+	 					

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	/				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?	/		5		
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	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
PN1/94	Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	$\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$			<u></u>	

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

MARINE ECOLOGY

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

NOISE

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks	
EM&A: C1	Are working programmes sched		/				
EM&A: CI	Are construction works or equip nuisance?		/				
EM&A: C1	Are all plant and equipment mai conditions?		/				
EM&A: C1/GP	Is idle equipment turned off or the			-			
EM&A: C1	Are methods of working devised nuisance?		/				
EM&A: C1)	Are construction works carried on nuisance?		/	_			
EM&A: C2	To mitigate construction noise d holidays, is either one of the foll a) Mitigation by portable nois b) Rescheduling of some power sensitive time periods?	/					
EM&A: C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?						
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?		,	/		-	•
	Major noise source(s)	☐ Traffic	团	Construction activities inside the site			
		Construction activities outside the site		Others			

Abbreviation									
VEP: WMP: Cap311R: Cap311O: Cap311: PN1/94: Unk:	APC (Open Burni Air Pollution Con	nt Plan n Dust) Regulation ng) Regulation	NCO: WDO:	EM&A Manual (Construction Noise Control Ordinance Waste Disposal Ordinance Orainage)	Phase)				
Remark			 	• • • • •					
NZL									
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Signatures				· · · · · · · · · · · · · · · · · · ·					
ET Member		Contractor's Repres	sentative						
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11th November 2002