Appendix I

Site Audit Summary

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Site Formation and Dredging Weekly Site Inspection Checklist

Inspection d	date 162 Time 0,00 Inspecto	ed By	ET:	-		-1
Site	LHX- Ste Formation	•	Cont	racto	n: W: ţ	L. Hui
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [√ Ra	nin Store
Temperatu	rre 🔑 °C Humidity 🗹 High 📗 Moderat	e [Low	,		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			î
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements			<u> </u>	<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?		/	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		·			<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)					
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	$\sqrt{}$	4			
Cap311R: 1	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?		2.4.		_	
Cap311R: Sch 15(2)	Is bulk coment 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?		$\sqrt{}$			
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	···· · · ·	$\sqrt{}$			
	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?	1 /	1	\top	1	1

Reference to	Checklist Condition	N/A	Yes	Ņe	Unk	Remarks
	Miscellaneous		_			
Cap311R: Sch 16	Are completed earthworks sealed and hydrosecded and planted as soon as possible?		†			
Cap311O	Is open burning prohibited?		V			
Cap311	Is black smoke emission from plant/equipment avoided?		/			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials		- * -			·
WMP: 3.3/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP:5.2.5/ EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				
WMP:5.2.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?					
WMP:5.2.3 /EM&A: E2	Are loading of barges and hoppers carried out in a controlled environment so that splashing of dredged material into surrounding water is prevented?		c			
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?	1	-	Γ		
EM&A: E3	Are wastes disposed of at licensed sites?	1				
· · · · · · · ·	Construction Waste and Excavated Materials	1		•	-	
WMP:3.3/ 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:5.3.3 & 5.4.2	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?					
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?					
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?					
WMP 5.4.1	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 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?					
WMP 5.5.2	Is general refuse stored, within receptacles and separated from chemical wastes?	1.7				

Rei	Checklist Condition	N/A	Yes	No	Unk	Remarks
WMP 5.5.2	Is the refuse disposed of regularly and properly?					
WMP 5.5.2 5.5.3	Are burning of refuse at site and dumping at sea prohibited?	١٠.				
	Chemical Waste			٠.		
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)?		· .		;·	
WDO	Has the Contractor been registered as a chemical waste producer?	V				
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?					
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste*?					
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?					
	Storage, collection and transportation of waste					
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
	Dredging activities	.1				
VEP 3.3 /EM&A: B1	Is the configuration of dredging in accordance with the EP's requirements?	/				
EP 3.3 /EM&A: B1	Is the number of large dredgers in operation reduced by 1 during the flood phase of the tidal cycle?					
VEP 3.2 /EM&A B2	Are silt curtains installed at appropriate locations?	V,				
DNRP:4.5	Are silt curtains inspected on a monthly basis	\bigvee				
VEP 3.4/ EM&A B3	Are dredging and sand filling for site formation prohibited to take place at the same time?	V				
DNRP 4.3/ EM&A B3	Is sand filling for site formation carried out behind constructed sea walls, which pierce the sea surface?					

Ref	Checklist Condition	N/A	Yes	No,	Unk	Remarks
EMAA: BS	Has sand-fill at the seawall french been placed by controlled pumping with discharge below original sea-bed level during seawall construction?	/				
EM&A: B7	Are fully-enclosed or watertight grabs used to minimize loss of sediment during dredging?	/		14+		·
EM&A: B7	Are the descent speed of grabs controlled to minimize the impact speed?					
EM&A: B7	Are the barges loaded carefully to avoid splashing of material?	abla				
EM&A: 87	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?	/				•
EM&A: B7	Are barges filled to a level, which ensures that materials do not spill over during loading and transportation?	/				
EM&A: B7	Is adequate freeboard maintained to ensure the decks are not washed by wave motion?	$\sqrt{}$			*	
EM&A: B7	Is the speed of trailer dredgers under control to avoid stirring up of sea bed sediment?					
EM&A: B7	Is "rainbowing" sand fill from trailer dredgers prohibited?	V				
EM&A: B7	Is the water within and adjacent to the dredging site and along the route to the disposal site clear of visible foam, oil, grease or litter or other objectionable matter?		/			_
	Routing of construction related marine vessels					
DNRP 3	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				

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: Gi	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?				:1	
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?			,		
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 schedul	ed to minimize noise nuisance?		/			
EM&A: C1	Are construction works or equipm nuisance?	ent sited to minimize noise					
EM&A: C1	Are all plant and equipment maint conditions?	tained in good operating		$\sqrt{}$!		
EM&A: Ct/GP	Is idle equipment turned off or thr	ottled down?		\checkmark			
EM&A: C1	Are methods of working devised a nuisance?	and arranged to minimize noise		$\sqrt{}$			
EM&A: C1)	Are construction works carried ou nuisance?	et 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		$\sqrt{}$	7		·
NCO	Are conditions of construction no relevant part(s) of the works impl			$\sqrt{}$	/		
NCO	Are valid noise emission labels fit held percussive breakers?	xed at air compressors and hand					
· <u>····</u>	Maior maior comments)	Traffic	Construction activities inside				rities inside the
	Major noise source(s)	Construction activities outside the site		Other	.s —		

Abbreviation

∀EP:

Varied Environmental Permit

WMP: Cap311R: Waste Management Plan
APC (Construction Dust) Regulation

Cap311O: Cap311: APC (Open Burning) Regulation Air Pollution Control Ordinance DNRP:

Dredging & Reclamation Plan

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

NCO: WDO: Noise Control Ordinance Waste Disposal Ordinance

Unk: Unknown

NIL.

Signatures

ET Member

Contractor's Representative

(Name in Black letters:

Thomas LI

HUI WOI KNONG

(Name in Block letters:

Mi wai Kmy

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Site Formation and Dredging Weekly Site Inspection Checklist

Inspection d	late 14/8/67 Time 10-00 Inspecte	d By	ET: Contr		Jey .	Che_
Site	LHX- Ste Formation	Ł	CORG	20.0	. 1/	V.Hu
Weather	<u>.</u>					
Condition	Sunny Fine Overcast Hazy	Ĺ. <u>.</u>	_	:ke [Ra	in Ston
Temperatu	re 21 °C Humidity High Moderate	e <u> </u>	Low	,		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		\checkmark			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Ref.		NIA	res	140	Ulik	Remarks
	General Requirements	.—	Τ	_		Γ'
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 cleaning dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
	Construction Sites				_	-
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		√			
	Stockpiling of dusty materials					
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	/	1			

Ref.	Checklist Condition	N/A	Уes	Ņo	Unk	Remarks
•	Cement and dry pulverized fuel 2sh (PFA)					··· ·
Cap311R: Seh 15(3)	Are the storage silos for cement or dry PFA prevented from overfilting?	/				
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?	$\sqrt{}$	<u>-</u>			
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?					
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?					
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?		\checkmark			
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		\checkmark			
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?		:	_		
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	\checkmark	•			
	Transfer of dusty materials using a belt conveyor system	•				•
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?					
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?	$\sqrt{}$				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	V				
EM&A:	Are all the conveyor transfer points totally enclosed?	1.7				

Ref:	Checklist Condition	N/A	Yes	Νο	Unk	Remarks
•	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydrosecded and planted as soon as possible?		·			
Cap311O	Is open burning prohibited?		/			
Cap311	Is black smoke emission from plant/equipment avoide6?		\checkmark			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Ųmk	Remarks
	Dredged Materials		-			-
WMP: 3.3/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP:5.2.5/ EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?					
WMP:5.2.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?	\checkmark	- · · -			
WMP:5.2.3 /EM&A: E2	Are loading of barges and hoppers carried out in a controlled environment so that splashing of dredged material into surrounding water is prevented?	/				
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?	V				
EM&A: E3	Are wastes disposed of at licensed sites?	V		-		
	Construction Waste and Excavated Materials					
WMP:3.3/ 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:5.3.3 & 5.4.2	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	/				
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	/			-	
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?					·
WMP 5.4.1	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	V				
EM&A: E3	Are wastes disposed of at licensed sites?	V				
	General refuse				•	
WMP 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?	$\overline{\ \ }$				
WMP 5.5.2	Is general refuse stored within receptacles and separated from chemical wastes?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks		
WMP 5.5.2	Is the refuse disposed of regularly and properly?		abla					
WMP 5.5.2 5.5.3	Are burning of refuse at site and dumping at sea prohibited?		Ž		·			
•	Chemical Waste							
ĒM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	/						
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.	\checkmark						
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		1					

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredging activities					
VEP 3.3 /EM&A: Bt	Is the configuration of dredging in accordance with the EP's requirements?	/				
EP 3.3 /EM&A: BI	Is the number of large dredgers in operation reduced by 1 during the flood phase of the tidal cycle?	/				
VEP 3.2 /EM&A: B2	Are silt curtains installed at appropriate locations?	$\overline{\ }$				
DNRP:4.5	Are sift curtains inspected on a monthly basis	$\overline{\ }$				
VEP 3.4/ EM&A B3	Are dredging and sand filling for site formation prohibited to take place at the same time?	V				
DNRP 4.3/ EM&A B3	Is sand filling for site formation carried out behind constructed sea walls, which pierce the sea surface?					

Ref	Checklist Condition	N/A	Yeş	Ŋο	⊎nk	Remarks
EM&A: B5	Has sand-fill at the seawall trench been placed by controlled pumping with discharge below original sea-bed level during seawall construction?		1			-
EM&A: B7	Are fully-enclosed or watertight grabs used to minimize loss of sediment during dredging?	/	•			
EM&A: B7	Are the descent speed of grabs controlled to minimize the impact speed?					
EM&A: B7	Are the barges loaded carefully to avoid splashing of material?	abla	<u> </u>			
EM&A: 87	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?	/			.:	•.
EM&A: 87	Are barges filled to a level, which ensures that materials do not spill over during loading and transportation?	/	,.			· - :
емал: В7	Is adequate freeboard maintained to ensure the decks are not washed by wave motion?		Ì		-	
EM&A: B7	Is the speed of trailer dredgers under control to avoid stirring up of sea bed sediment?	/				
EM&A: B7	Is "rainbowing" sand fill from trailer dredgers prohibited?	abla	-		 	
EM&A: 87	Is the water within and adjacent to the dredging site and along the route to the disposal site clear of visible foam, oil, grease or litter or other objectionable matter?		/	ļ		
	Routing of construction related marine vessels					
ONRP 3	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"?		/			

MARINE ECOLOGY

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

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedul	ed to minimize noise nuisance?					
EM&A:	Are construction works or equipment is nuisance?	ent sited to minimize noise		<			
EM&A: C1	Are all plant and equipment main conditions?	tained in good operating			•		
EM&A: Cl/GP	Is idle equipment turned off or the	ottled down?		\checkmark			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		$\sqrt{}$			
EM&A: Cl)	Are construction works carried or nuisance?	it in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise du holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	wing measures adopted?		/	,		
EM&A: C3	To mitigate night time construction equipped with silencers or muffle						-
NCO	Are valid construction noise perminspection?	nits, if required, available for		/			
NCO	Are conditions of construction no relevant part(s) of the works impl						
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand		$\overline{\ \ }$			
	Major noise source(s)	Traffic		Const site	ructio	na actin	vitles inside the
	window moine nontestal	Construction activities outside the site					

Abbreviation

VEP: WMP: Varied Environmental Permit

Waste Management Plan

Cap311R: Cap311O: Cap311:

APC (Construction Dust) Regulation APC (Open Burning) Regulation

Air Pollution Control Ordinance

DNRP: Dredging & Reclamation Plan EM&A: EM&A Manual (Construction Phase)

NCO: WDO:

Noise Control Ordinance Waste Disposal Ordinance

Unknown Unk:

Remark				
Kalikir				
NIL-				
	•			
			<u>-</u>	
		·		
	·			
	·			
				 · .
Signatures				

ET Member

Contractor's Representative

HULL WAS KNOWN

The Hongkong Electric Co. Ltd. Lamma Power Station Extension — Site Formation and Dredging Weekly Site Inspection Checklist

Inspection d	late 2/8/02 Time 0:00 Inspecte	d By		Yk	- ley	Chan
			Contr	actor	r: W.1	L. Kri
Site	LHX- Cite Formation					
Weather						
		_	- .		 _	. — .
Condition	Sunny Fine Overcast Hazy	L	Drizz	ı)e [Ra	in Store
Temperatu	re 32°C Humidity High Moderate	e <u> </u>	Low	r		
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		7		·	<u> </u>
	on site?	·	\checkmark		_	
AIR QUALI	eTY					
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements		_			
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any		Ι,	þ		
_	change in the notice, do the contractors notify EPD of the change?		$ \checkmark $			
Cap311R:	A compressed air jet shall not be used for cleaning or clearing dust	.— I		i	i .	
Sch 12(3)	from any vehicle, equipment, other materials or person. Is this observed?		 		ļ	
Condit					<u> </u>	
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever	1				
	applicable and have it available for inspection?	\vee	1		İ	
	Construction Sites	· · · · ·		•		•
EM&A:	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		1		[!
		L	<u></u>			
	Stockpiling of dusty materials		T ₄	,	1	
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface well 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 siles 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 coment 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: AI	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: Seh 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to semove 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?	Ż			· • · · · •	
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulicy of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	1		:		
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?					
-	Concrete batching plant				E	
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: . A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?			1	_	
EM&A: A2	Are all the conveyor transfer points totally enclosed?		\dashv		$\neg \dagger$	

Ref.	Checklist Condition	N/A	Yes .	No	Umk	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		20	٠	•	·
WMP: 3.3/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mad and have them available for inspection?		,			
WMP:5.2 <i>51</i> EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?					
WMP:5.2.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?					
WMP:5.2.3 /EM&A: E2	Are loading of barges and hoppers carried out in a controlled environment so that splashing of dredged material into surrounding water is prevented?					
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?	\		Γ.		
EM&A: E3	Are wastes disposed of at licensed sites?	V				
	Construction Waste and Excavated Materials	1				
WMP:3.3/ 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:5.3.3 & 5.4.2	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	/				
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		-			
WMP5.3.)	Are the used formworks reused as far as possible before being disposed of in a landfill site?			-		
WMP 5.4.1	Are the remaining unsuitable excavated materials disposed of at the public filling areas?					
EM&A: E3	Are wastes disposed of at licensed sites?	$\overline{\ }$				
	General refuse				•	·
WMP 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?					
WMP 5.5.2	Is general refuse stored within receptacles and separated from chemical wastes?	17		1	<u> </u>	

Ref	Checklist Condition	N/A	Yes	Νo	Unk	Remarks			
WMP 5.5.2	is the refuse disposed of regularly and properly?	1		_		_			
WMP 5.5.2 5.5.3	Are burning of refuse at site and dumping at sea prohibited?	+	V						
	Chemical Waste		~						
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?		·	•					
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?	Ĭ/							

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredging activities	.•				
VEP 3.3 /EM&A: B)	Is the configuration of dredging in accordance with the EP's requirements?		•			
EP 3.3 /EM&A: B1	Is the number of large dredgers in operation reduced by 1 during the flood phase of the tidal cycle?	/				
VEP 3.2 /EM&A: B2	Are silt curtains installed at appropriate locations?	Z				
DNRP:4.5	Are silt curtains inspected on a monthly basis	Ž				
VEP 3.4/ EM&A B3	Are dredging and sand filling for site formation prohibited to take place at the same time?					
DNRP 4.3/ EM&A B3	Is sand filling for site formation carried out behind constructed sea walls, which pierce the sea surface?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: B5	Has sand-fill at the seawall trench been placed by controlled pumping with discharge below original sea-bed level during seawall construction?					
EM&A: B7	Are fully-enclosed or watertight grabs used to minimize loss of sediment during dredging?		- · ·-			
EM&A: B7	Are the descent speed of grabs controlled to minimize the impact speed?		. "-			
EM&A: 87	Are the barges loaded carefully to avoid splashing of material?			<u> </u>		
EM&A: 87	Are barges fitted with tight bottom scals to prevent leakage during leading and transportation?				;	•:
ЕМ&А: В7	Are barges filled to a level, which ensures that meterials do not spill over during loading and transportation?		,			
ЕМ&А: В7	Is adequate freeboard maintained to ensure the decks are not washed by wave motion?				-	
EM&A: B7	Is the speed of trailer dredgers under control to avoid stirring up of sea bed sediment?	1				
EM&A: B7	Is "rainbowing" sand fill from trailer dredgers prohibited?	∇			<u> </u>	
EM&A: B7	Is the water within and adjacent to the dredging site and along the route to the disposal site clear of visible foam, oil, grease or litter or other objectionable matter?		/	1		
	Routing of construction related marine vessels		-	•		
DNRP 3	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"?				-	

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G)	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 Sili Curtain"?		/	r		·.
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?					

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A : C1	Are working programmes sched	uled to minimize noise nuisance?	 				
EM&A: CI	Are construction works or equip nuisance?	ment sited to minimize noise			7		
EM&A: C1	Are all plant and equipment mai conditions?	ntained in good operating					
EM&A: CI/GP	Is idle equipment turned off or the	hrotiled down?		7			
EM&A: CI	Are methods of working devised nuisance?	and arranged to minimize noise		Ź	٠.		
EM&A: C1)	Are construction works carried of nuisance?	oul in a manner to minimize noise		\checkmark	,		•
EM&A: C2	To mitigate construction noise d holidays, is either one of the foll a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	uring Sunday's and public owing measures adopted? e barriers at noise sources or tred mechanical equipment to less		\ \	1		
ЕМ&А: С3	To mitigate night time constructi equipped with silencers or muffle	on noise, is dredging equipment ers?					 .
NCO	Are valid construction noise perr inspection?	nits, if required, available for		\checkmark	,	··	
NCO	Are conditions of construction of 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					
	Major noise source(s)	Traffic		Constr site	uction	ı aclîvi	ties inside the
		Construction activities outside the site		Others			

Abbreviation			
VEP: WMP: Cap311R: Cap311O: Cap311:	Varied Environmental Permit Waste Management Plan APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance	DNRP: EM&A: NCO: WDO: Unk:	Dredging & Reclamation Plan EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Unknown
Remark	<u> </u>		
ML.			. <u> </u>
			·
	·		
Signatures			
ET Member	Contractor's Rep	resentative	

GINNEY CHAN

HUI WAI KHONG

12th June 2001

The Hongkong Electric Co. Ltd. Lamma Power Station Extension - Site Formation and Dredging Weekly Site Inspection Checklist

Inspection	date 78/8/02 Time (0.00 Inspecte	d By	ET:	J.		Char
Site	LH1 - Ste_ Formation_		CODE	(acto)	r: W.	F.HW
Weather	.					·
Condition	Sunny Fine Overcast Hazy		Drizz	zie [Řa	in Slor
Temperatu	rre[7,1] ℃ Humidity High Moderat	e [Low	Y		
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?		7			
AIR QUAL	TTY			7		
Ref.	Checklist Condition	N/A	Yes	No	Ųak	Remarks
	General Requirements					
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?					
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
	Construction Sites					
EM&Ä : 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 well to prevent dust emission?		<u> </u>			

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: Seh 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?	•	/			1.1.
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		/			
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	\checkmark				
_	Transfer of dusty materials using a belt conveyor system					
Cap311R: Seh 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?					
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?					
	Concrete batching plant	1				
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 hydroseoded and planted as soon as possible?					
Cap3110	Is open burning prohibited?		abla			
Cap311	Is black smoke emission from plant/equipment avoided?		$\sqrt{}$			

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No-	Unk	Remarks	
	Dredged Materials	,	.Vipu			•	
WMP: 3.3/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		•		**** **		
WMP:5.2.5/ EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?					'	
WMP:5.2.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?	\checkmark					
WMP:5.2.3 /EM&A: E2	Are loading of barges and hoppers carried out in a controlled environment so that splashing of dredged material into surrounding water is prevented?		. ;				
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?						
EM&A: E3	Are wastes disposed of at licensed sites?	Ž					
	Construction Waste and Excavated Materials					<u> </u>	
WMP:3:3/ 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:5.3.3 & 5.4.2	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?						
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		•				
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?						
WMP 5.4.1	Are the remaining unsuitable excavated materials disposed of at the public filling areas?		/				
EM&A: £3	Are wastes disposed of at licensed sites?					<u> </u>	
,	General refuse						
WMP 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?						
WMP 5.5.2	Is general refuse stored within receptacles and separated from chemical wastes?	1	_		 		

Ref	Checklist Condition	N/A	Yes	No	·Unk	. Remarks			
WMP 5.5.2	Is the refuse disposed of regularly and properly?	†	$\sqrt{}$						
WMP 5.5.2 5.5.3	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)?	/							
WDO	Has the Contractor been registered as a chemical waste producer?					<u></u>			
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 tracks?	$\sqrt{}$							
EM&A: R3	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;	M							
	(3) un-reusable / non-recyclable waste for landfill disposal.	$ \mathcal{J} $							
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?								

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredging activities	•		•		
VEP 3.3 /EM&A: B1	Is the configuration of dredging in accordance with the EP's requirements?		,			
EP 3.3 /EM&A: B1	Is the number of large dredgers in operation reduced by I during the flood phase of the tidal cycle?		_			
VEP 3.2 /EM&A: B2	Are silt curtains installed at appropriate locations?					
DNRP:4.5	Are silt curtains inspected on a monthly basis	V.				
VEP 3.4/ EM&A 83	Are dredging and sand filling for site formation prohibited to take place at the same time?					
DNRP 4.3/ EM&A B3	Is said filling for site formation carried out behind constructed sea walls, which pierce the sea surface?	7		-		
		~		<u>L</u> .	ı I	

Ref	Checklist Condition	N/A	Yes	No	Umk	Remarks
EM&A: BS	Has sand-fill at the seawall trench been placed by controlled pumping with discharge below original sea-bed level during seawall construction?	/				
EM&A: B7	Are fully-enclosed or watertight grabs used to minimize loss of sediment during dredging?	/				
EM&A: 87	Are the descent speed of grabs controlled to minimize the impact speed?	7				
EM&A: B7	Are the barges loaded carefully to avoid splashing of material?		-			
EM&A: B7	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?	/			1.5	. •.
EM&A: B7	Are barges filled to a level, which ensures that materials do not spill over during loading and transportation?	Ž	7.			
EM&A: B7	Is adequate freeboard maintained to ensure the decks are not washed by wave motion?	/			·	
EM&A: B7	Is the speed of trailer dredgers under control to avoid stirring up of sea bed sediment?					
EM&A: B7	Is "rainbowing" sand fill from trailer dredgers prohibited?	1/			<u> </u>	
EM&A: B7	Is the water within and adjacent to the dredging site and along the route to the disposal site clear of visible foam, oil, grease or litter or other objectionable matter?					
	Routing of construction related marine vessels					
DNRP 3	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"?		/			

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

NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks	
EM&A : C1	Are working programmes schedu	uled to minimize noise nuisance?		1				
EM&A: C1	Are construction works or equip nuisance?	ment sited to minimize noise		/				
EM&A: C)	Are all plant and equipment main conditions?	ntained in good operating	<u> </u>					
EM&A: Ct/GP	Is idle equipment turned off or the	orottled down?	1	Ž				
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 di holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	owing measures adopted?		\ \	/			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle	on noise, is dredging equipment ers?						
NCO	Are valid construction noise permisspection?	nots, 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 fixed at air compressors and hand held percussive breakers?							
	Major noise source(s)	Traffic		Constr site	uction	activi	ities inside the	
i	major moise somicals)	Construction activities outside the site	Others					

Abbreviation

VEP: WMP: Varied Environmental Permit

Waste Management Plan

Cap311R: Cap311O: Cap311:

APC (Construction Dust) Regulation APC (Open Burning) Regulation

Air Pollution Control Ordinance

DNRP: Dredging & Reclamation Plan

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

Waste Disposal Ordinance WDO:

Unk: Unknown

Remark			 -
NIL.			
		· · · ·	
-	 	•	

Signatures

ET Member

Contractor's Representative

HUI WAI KWONDO

12th June 2001

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of L9

	Weekly Site Inspection Checkli	st				
Inspection	date 7 /8/02 Time /s Inspect	ed By			mas.	
Site	LMX - UNIT L9 PILING		Cont	racto	r: M	ibed Cherk
Weather						
Condition Temperat	Sunny Fine Overcast Hazy ure 26°C Humidity High Moderat	te [Driz		Ra	nin Stort
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?		1			
			•			
AIR QUAL	ITY					
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks

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

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)		•			
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	/				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	/				
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?					
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials	-1. .		·		1
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	/				
EM&A: Al	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/				
	Use of vehicles	•				
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		/			
	Transfer of dusty materials using a belt conveyor system	,	•	_		1
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?	1				
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/				
EM&A: A2	Are all the conveyor transfer points totally enclosed?	/				

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: 3.3/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/								
WMP:5.2.5/ EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/								
WMP:5.2.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?	/								
WMP:5.2.3 /EM&A: E2	Are loading of barges and hoppers carried out in a controlled environment so that splashing of dredged material into surrounding water is prevented?	1								
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?	/								
EM&A: E3	Are wastes disposed of at licensed sites?	/				<u> </u>				
	Construction Waste and Excavated Materials	1	L	1						
WMP:3.3/ EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?		1							
WMP:5.3.3 & 5.4.2	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?		1							
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		/							
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/								
WMP 5.4.1	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/								
EM&A: £3	Are wastes disposed of at licensed sites?	7								
	General refuse	General refuse								
WMP 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/							
WMP 5.5.2	Is general refuse stored within receptacles and separated from chemical wastes?		/	,						

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
WMP 5.5.2	Is the refuse disposed of regularly and properly?		/						
WMP 5.5.2 5.5.3	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)?		/						
WDO	Has the Contractor been registered as a chemical waste producer?		/						
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/						
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?		1						
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		/						
	Storage, collection and transportation of waste								
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?	/							
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?								
	(1) public fill materials for on-site reuse, or disposal at public filling area;		/						
	(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
	Dredging activities		·	l		
VEP 3.3 /EM&A: B1	Is the configuration of dredging in accordance with the EP's requirements?	/				
EP 3.3 /EM&A: B1	Is the number of large dredgers in operation reduced by 1 during the flood phase of the tidal cycle?	/				
VEP 3.2 /EM&A: B2	Are silt curtains installed at appropriate locations?	/				
DNRP:4.5	Are silt curtains inspected on a monthly basis	1				
VEP 3.4/ EM&A B3	Are dredging and sand filling for site formation prohibited to take place at the same time?	/				
DNRP 4.3/ EM&A B3	Is sand filling for site formation carried out behind constructed sea walls, which pierce the sea surface?	/				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: B5	Has sand-fill at the seawall trench been placed by controlled pumping with discharge below original sea-bed level during seawall construction?	/				
EM&A: B7	Are fully-enclosed or watertight grabs used to minimize loss of sediment during dredging?	1				
EM&A: B7	Are the descent speed of grabs controlled to minimize the impact speed?	/				
EM&A: B7	Are the barges loaded carefully to avoid splashing of material?	/				
EM&A: B7	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?	1				
EM&A: B7	Are barges filled to a level, which ensures that materials do not spill over during loading and transportation?	/				
EM&A: B 7	Is adequate freeboard maintained to ensure the decks are not washed by wave motion?	/				
EM&A: B7	Is the speed of trailer dredgers under control to avoid stirring up of sea bed sediment?	/				
EM&A: B7	Is "rainbowing" sand fill from trailer dredgers prohibited?	/	_	:		
EM&A: B7	Is the water within and adjacent to the dredging site and along the route to the disposal site clear of visible foam, oil, grease or litter or other objectionable matter?	/				
	Routing of construction related marine vessels				·!	
DNRP 3	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"?		/			

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?	/				

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		/			- 101
EM&A: C1	Are all plant and equipment mai conditions?	ntained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or the		/				
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?			/			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?			/			
EM&A: C2	To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods?			/			
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?			/			
		☐ Traffic		Construction activities inside the site			
	Major noise source(s)	Construction activities outside the site		Others			

Abbreviation

VEP: WMP: Cap311R: Cap311O: Cap311:	Varied Environmen Waste Management APC (Construction APC (Open Burning Air Pollution Contr	Plan Dust) Regulation g) Regulation	DNRP: EM&A: NCO: WDO: Unk:	Dredging & Reclamation Plan EM&A Manual (Construction Phase) Noise Control Ordinance Waste Disposal Ordinance Unknown	
Remark			•		_
Ni)					
		· - ·		· · · · · · · · · · · · · · · · · · ·	
					_
					_
Signatures					
ET Member		Contractor's Repres	sentative		
(Name in Block	letters:	(Name in Block lett			
Thomas	Lu	MICHAEL CHE	ur)		

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of L9 Weekly Site Inspection Checklist

Inspection	date 14/8/02 Time 14:30 Inspect	ed By	ET:		Limas	
Site	LMX - UNITLY PICING		COR	Facto	r. <u>M</u> i	had Chenk
Weather		<u></u>	· ·•	•		
Condition	Sunny Fine Overcast Hazy		Driz	zle [Ra	ain Storm
Temperate	ure 32°C Humidity High Moderat	te	Lov	٧		
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?		1			
AIR QUAL	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	10.1		1.0		i i i i i i i i i i i i i i i i i i i
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		/			
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>			
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)					
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?	/		:		
<u>. </u>	Loading, unloading or transfer of dusty materials	J 	L————		· · ·	·
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	/				
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	1				
	Use of vehicles				<u>. </u>	
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?		/			
_	Transfer of dusty materials using a belt conveyor system		L	'	1	·
Cap311R; Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	1				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	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 33?	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?	1				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/		_		
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/		1		
EM&A:	Are all the conveyor transfer points totally enclosed?	 	 	+-	 	

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	•				
WMP: 3.3/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP:5.2.5/ EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				
WMP:5.2.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?	/				
WMP:5.2.3 /EM&A: E2	Are loading of barges and hoppers carried out in a controlled environment so that splashing of dredged material into surrounding water is prevented?	1				
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?	/				
EM&A: E3	Are wastes disposed of at licensed sites?	1				
 ,	Construction Waste and Excavated Materials	1 .	L	1		i
WMP:3.3/ 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:5.3.3 & 5.4.2	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?		/			
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		/			
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?	/				
WMP 5.4.1	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	•		1		l
WMP 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		/			
WMP 5.5.2	Is general refuse stored within receptacles and separated from chemical wastes?		/			

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
WMP 5.5.2	Is the refuse disposed of regularly and properly?	T -	/						
WMP 5.5.2 5.5.3	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)?		/						
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 ²⁹ ?		1						
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?		1						
	Storage, collection and transportation of waste								
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?	/							
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?] 				
	(1) public fill materials for on-site reuse, or disposal at public filling area;		/						
	(2) reusable / recyclable materials;		1						
	(3) un-reusable / non-recyclable waste for landfill disposal.		/		\				
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		/						

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredging activities	<u> </u>				
VEP 3.3 ÆM&A: B1	Is the configuration of dredging in accordance with the EP's requirements?					
EP 3.3 /EM&A: B1	Is the number of large dredgers in operation reduced by I during the flood phase of the tidal cycle?	/				
VEP 3.2 /EM&A: B2	Are silt curtains installed at appropriate locations?					1
DNRP:4.5	Are silt curtains inspected on a monthly basis	1				
VEP 3.4/ EM&A B3	Are dredging and sand filling for site formation prohibited to take place at the same time?	1				
DNRP 4.3/ EM&A B3	Is sand filling for site formation carried out behind constructed sea walls, which pierce the sea surface?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: B5	Has sand-fill at the seawall trench been placed by controlled pumping with discharge below original sea-bed level during seawall construction?	/				
EM&A: B7	Are fully-enclosed or watertight grabs used to minimize loss of sediment during dredging?	/				
EM&A: B7	Are the descent speed of grabs controlled to minimize the impact speed?	/				
EM&A: B7	Are the barges loaded carefully to avoid splashing of material?	/				
EM&A: B7	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?	/				
EM&A: B7	Are barges filled to a level, which ensures that materials do not spill over during loading and transportation?	/				
EM&A: B7	Is adequate freeboard maintained to ensure the decks are not washed by wave motion?					
EM&A: B7	Is the speed of trailer dredgers under control to avoid stirring up of sea bed sediment?	1				
EM&A: B7	Is "rainbowing" sand fill from trailer dredgers prohibited?					
EM&A: B7	Is the water within and adjacent to the dredging site and along the route to the disposal site clear of visible foam, oil, grease or litter or other objectionable matter?	/				
	Routing of construction related marine vessels		l		I	
DNRP 3	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"?		/			

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

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks		
EM&A: C1	Are working programmes schedul	ed to minimize noise nuisance?		1					
EM&A: C1	Are construction works or equipmouisance?	nent sited to minimize noise		/					
EM&A: C1	Are all plant and equipment main conditions?	tained in good operating		/			·		
EM&A: C1/GP	Is idle equipment turned off or thr	rottled down?		/					
EM&A: C1	Are methods of working devised a nuisance?	and arranged to minimize noise		/					
EM&A: C1)	Are construction works carried ou nuisance?	nt in a manner to minimize noise		/					
EM&A: C2	To mitigate construction noise du holidays, is either one of the follor a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	wing measures adopted?		/					
EM&A: C3	To mitigate night time construction equipped with silencers or muffler		/						
NCO	Are valid construction noise perminspection?	its, if required, available for		1					
NCO	Are conditions of construction no relevant part(s) of the works impl			/			· · · · · · · · · · · · · · · · · · ·		
NCO	Are valid noise emission labels fit held percussive breakers?	xed at air compressors and hand		/					
		☐ Traffic		Const	ructio	n activ	rities inside the		
	Major noise source(s)	Construction activities outside the site		Others					

VEP: Varied Environmental Permit DNRP: Dredging & Reclamation Plan WMP: Waste Management Plan EM&A: EM&A Manual (Construction Phase)
Cap311R: APC (Open Burning) Regulation NCO: Noise Control Ordinance
Cap311: Air Pollution Control Ordinance

Remark

Ni | Signatures

ET Member Contractor's Representative

(Name in Block letters:

HUMAS LU

(Name in Block letters:

MICHAEL CHEW)

The Hongkong Electric Co. Ltd. Lamma Power Station Extension – Construction of L9 Weekly Site Inspection Checklist

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A.C.	200	•	-

Inspection	date $\frac{1}{2} \frac{1}{2}	ted By	ET:		Olna or: M	
Site	LXX - UNIT L9 PILING		COM	a uvec	<u>*- M</u>	i Chret (11
Weather		· .				
Condition	Sunny Fine Overcast Hazy		Driz	zle [R	ain Stor
Temperatu	ure[₹20°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?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?					
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
<u></u>	General Requirements	1		1		
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		/			
Cap311R; Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?					
	Construction Sites	I	[i	L	<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	<u> </u>		<u> </u>	<u>L.</u> .	L
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 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 coment or dry PFA stored in a closed silo fitted with a high-level alarm?	/	-							
Cap311R: Sch 1 ⁷	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	_ L _	J							
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	1								
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	1								
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/								
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	1								
	Concrete batching plant									
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?									
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	1								
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	/								
EM&A:	Are all the conveyor transfer points totally enclosed?	7		1		1				

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP: 3.3/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?				!	
WMP:5.2.5/ EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?					
WMP:5.2.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?	/	— — — — — — — — — — — — — — — — — — —			
WMP:5.2.3 /EM&A: E2	Are loading of barges and hoppers carried out in a controlled environment so that splashing of dredged material into surrounding water is prevented?	/				
WMP; 5,2.3	Are overfilling of barges and hoppers prevented?	/				
EM&A: E3	Are wastes disposed of at licensed sites?	1				
· · · · · · · · · · · · · · · · · · ·	Construction Waste and Excavated Materials					
WMP;3.3/ 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:5.3.3 & 5.4.2	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?		/			
WMP 5.3,1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		/			
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?	(1	
WMP 5.4.1	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 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?		1			
WMP 5.5.2	Is general refuse stored within receptacles and separated from chemical wastes?	 	1		_	

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WMP 5.5.2	Is the refuse disposed of regularly and properly?		/		}	1
WMP 5.5.2 5.5.3	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)?		/			
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;		/			
<u> </u>	(2) reusable / recyclable materials;		/			
	(3) un-reusable / non-recyclable waste for landfill disposal.		/			
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		1			

WATER QUALITY

Ref	Checklist Coodition	N/A	Yes	No	Unk	Remarks
· · · · · · · · · · · · · · · · · · ·	Dredging activities		·			
VEP 3.3 /EM&A: B1	Is the configuration of dredging in accordance with the EP's requirements?	/				,
EP 3.3 /EM&A: B1	Is the number of large dredgers in operation reduced by 1 during the flood phase of the tidal cycle?	/				
VEP 3.2 /EM&A: B2	Are silt curtains installed at appropriate locations?	/				·-
DNRP:4.5	Are silt curtains inspected on a monthly basis					
VEP 3.4/ EM&A B3	Are dredging and sand filling for site formation prohibited to take place at the same time?	/				
DNRP 4.3/ EM&A B3	Is sand filling for site formation carried out behind constructed sea walls, which pierce the sea surface?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: B5	Has sand-fill at the seawall trench been placed by controlled pumping with discharge below original sea-bed level during seawall construction?	/				
EM&A: B7	Are fully-enclosed or watertight grabs used to minimize loss of sediment during dredging?	/				
EM&A: B7	Are the descent speed of grabs controlled to minimize the impact speed?	/				
EM&A: B7	Are the barges loaded carefully to avoid splashing of material?	/				
EM&A: B7	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?	/				<u> </u>
EM&A: B7	Are barges filled to a level, which ensures that materials do not spill over during loading and transportation?	1				
EM&A: B7	Is adequate freeboard maintained to ensure the decks are not washed by wave motion?	/				
EM&A: B7	Is the speed of trailer dredgers under control to avoid stirring up of sea bed sediment?	/				
EM&A: B7	Is "rainbowing" sand fill from trailer dredgers prohibited?	1/	ļ			
EM&A: B7	Is the water within and adjacent to the dredging site and along the route to the disposal site clear of visible foam, oil, grease or litter or other objectionable matter?	/				
	Routing of construction related marine vessels			· · · · · ·	•	
DNRP 3	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"?		/			

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

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes sched	uled to minimize noise nuisance?		/			
EM&A: C1	Are construction works or equip nuisance?	ment sited to minimize noise		/	-		
EM&A: Cl	Are all plant and equipment mai conditions?	ntained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or the	wottled down?	1				
EM&A: C1	Are methods of working devised misance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried on uisance?	out in a manner to minimize noise		/			
EM&A: C2	To mitigate construction noise d holidays, is either one of the folla) Mitigation by portable nois b) Rescheduling of some power sensitive time periods?	uring Sunday's and public owing measures adopted? e barriers at noise sources or cred mechanical equipment to less		/			
EM&A: C3	To mitigate night time constructs equipped with silencers or muffle	on noise, is dredging equipment ers?	/				
NCO	Are valid construction noise persinspection?	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?		/			<u>.</u>
NCO	Are valid noise emission labels fi held percussive breakers?	ixed at air compressors and hand		/			
	Major noise source(s)	☐ Traffic	1	Constr site	uction	activi	ties inside the
	walor noise source(s)		Others				

DNRP: Dredging & Reclamation Plan EM&A: EM&A Manual (Construction Phase) VEP: Varied Environmental Permit WMP: Waste Management Plan Cap311R: Cap311O: Cap311: APC (Construction Dust) Regulation APC (Open Burning) Regulation NCO: Noise Control Ordinance Waste Disposal Ordinance WDO: Air Pollution Control Ordinance Unknown Unk: Remark Signatures ET Member Contractor's Representative (Name in Block letters:

MICHAEL CHEUK

The Hongkong Electric Co. Ltd. Lamma Power Station Extension — Construction of L9 Weekly Site Inspection Checklist

Inspection of	date 28/8/0> Time 1500 Inspect	ed By	ET:		1 PMA	
Site	LMX-UNIT L9 PILING		Com	racte)r: M	CHAEL (JE
Veather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [R	in Storm
Temperatu	rre32 °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?		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	Unk	Remarks
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	·,	·	·		,
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?					
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/		:	
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>	<u> </u>	l	L
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			
	Stockpiling of dusty materials	-L				
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)	٠		·		<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?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?	/				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?		:			
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?					
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?					
	Use of vehicles					
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?					
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?					
	Transfer of dusty materials using a belt conveyor system	·i		1		
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?					
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?	1		1		
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					<u> </u>
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?				<u>.</u>	
Cap3110	Is open burning prohibited?	1	/			
Cap311	Is black smoke emission from plant/equipment avoided?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	<u></u> .	·	<u>. </u>	<u> </u>	i
WMP: 3.3/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
WMP:5.2.5/ EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	1	<u> </u>			
WMP:5.2.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?	/				
WMP:5,2,3 /EM&A: E2	Are loading of barges and hoppers carried out in a controlled environment so that splashing of dredged material into surrounding water is prevented?	/				
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?	1				
EM&A: E3	Are wastes disposed of at licensed sites?	17			· ·	
	Construction Waste and Excavated Materials	1 '		<u>!</u>		
WMP:3.3/ 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:5.3,3 & 5.4.2	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?					
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?				_	
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?	1				· · · · · · · · · · · · · · · · · · ·
WMP 5.4.1	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	/			į	
EM&A: E3	Are wastes disposed of at licensed sites?					
	General refuse	1 ′ 1		,L		
WMP 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?					
WMP 5.5.2	Is general refuse stored within receptacles and separated from chemical wastes?					<u> </u>

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WMP 5.5.2	Is the refuse disposed of regularly and properly?	†				
WMP 5.5.2 5.5.3	Are burning of refuse at site and damping 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)?		/			
WDO	Has the Contractor been registered as a chemical waste producer?		/			
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?		/			
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?					
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?					
·····	Storage, collection and transportation of waste	<u> </u>			,	
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?					:
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					
	(1) public fill materials for on-site reuse, or disposal at public filling area;		/			
	(2) reusable / recyclable materials;		/			
· · · · · · · · · · · · · · · · · · ·	(3) un-reusable / non-recyclable waste for landfill disposal.		/			
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?		/			

WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredging activities	1	L	I	<u> </u>	
VEP 3.3 /EM&A: B1	Is the configuration of dredging in accordance with the EP's requirements?			:		
EP 3.3 /EM&A: B1	Is the number of large dredgers in operation reduced by 1 during the flood phase of the tidal cycle?	/				
VEP 3.2 /EM&A: B2	Are silt curtains installed at appropriate locations?	/				
DNRP:4.5	Are silt curtains inspected on a monthly basis		,			·
VEP 3.4/ EM&A B3	Are dredging and sand filling for site formation prohibited to take place at the same time?					
DNRP 4.3/ EM&A B3	Is sand filling for site formation carried out behind constructed sea walls, which pierce the sea surface?					

Ref	Checklist Condition	N/A	Yes	Ne	Unk	Remarks
EM&A: BS	Has sand-fill at the seawall trench been placed by controlled pumping with discharge below original sea-bed level during seawall construction?					
EM&A: B7	Are fully-enclosed or watertight grabs used to minimize loss of sediment during dredging?					
EM&A: B7	Are the descent speed of grabs controlled to minimize the impact speed?	/				
EM&A: B7	Are the barges loaded carefully to avoid splashing of material?	/				
EM&A: B7	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?					
EM&A: B7	Are barges filled to a level, which ensures that materials do not spill over during loading and transportation?					
EM&A: B7	Is adequate freeboard maintained to ensure the decks are not washed by wave motion?					
EM&A: B7	Is the speed of trailer dredgers under control to avoid stirring up of sea bed sediment?	/				
EM&A: B7	Is "rainbowing" sand fill from trailer dredgers prohibited?	/				
EM&A: B7	Is the water within and adjacent to the dredging site and along the route to the disposal site clear of visible foam, oil, grease or litter or other objectionable matter?					
	Routing of construction related marine vessels				•	•
DNRP 3	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"?				:	

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

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedul	led to minimize noise nuisance?		/			
EM&A: C1	Are construction works or equipm nuisance?						
EM&A: C1	Are all plant and equipment main conditions?	tained in good operating					_
EM&A: C1/GP	Is idle equipment turned off or the	rottled down?					
EM&A: C1	Are methods of working devised a nuisance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried ou 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 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			/			
NCO	Are valid noise emission labels fir held percussive breakers?	xed at air compressors and hand					
	Major noise source(s)	☐ Traffic	Ø	Consti site	ructio	n activ	ities inside the
	141win morse som (ce(2)	Construction activities outside the site		Other	s		

Dredging & Reclamation Plan EM&A Manual (Construction Phase) VEP: Varied Environmental Permit DNRP: WMP: Waste Management Plan EM&A: APC (Construction Dust) Regulation Cap311R: NCO: Noise Control Ordinance APC (Open Burning) Regulation Waste Disposal Ordinance Cap3110: WDO: Cap311: Air Pollution Control Ordinance Unk: Unknown Remark Signatures ET Member Contractor's Representative (Name in Block letters: (Name in Block letters:

MICHAEL CHEWA

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

	Endo	rsed b	IET	: A	adre n	ı Na
Inspection of	date [18/2003] Time 7:30pm Inspec	ted by	ET:	_		- 6
			Cont	racto	×ાંપાટ	hano ch
Site	Wanguissian Project - Loadlein					<u>,</u>
Veather						· • • • • • • • • • • • • • • • • • • •
Coudition	Summy Fine Overcast Hazy		Driz	zle (√R.	in Sto
Temperatu	re 🔊 ℃ Humidity High Modera			_		' لست
Wind	Calm Light Breeze Strong		_			
ENERAL					- 	· · · · · · · · · · · · · · · · · · ·
Rel	Checklist Condition	N/A	Yes	No	Unk	Resnarks
VEP 1.5 .	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		J			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		√			
IR QUALI	TY				·	·
Ref.	Checklist Condition	N/A	Yes	N•	Unk	Remarks
	General Requirements	,				
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	V				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	1				
	Stockpiling of dusty materials		•			
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to provent dust emission?	~				
	Use of vehicles	<u> </u>				
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	1				
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	1		Γ		

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

Ref	Checkitst Condition	N/A	Yes .	No	Unk	Remarks			
	Dredged Materials			•		-			
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	1				-			
Cap466	Are wastes disposed of at licensed sites?	V							
	Construction Waste and Excavated Materials								
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	V							
Cap354	Are wastes disposed of at licensed sited?	1							
_	Chemical Waste								
Сар354С	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1							
Cap354C	Has the Contractor registered as a chemical waste producer?	1				 			
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	1	\top		 				

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	-	V			
EM&A: L2~L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	1				
NCO	Are valid construction noise permits, if required, available for inspection?	7				
NCO	Are conditions of construction noise permits, if any, for the relevant pert(s) of the works implemented accordingly?	1				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	/	 			

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks		
EM&A:	Are the construction activities at la monitored to avoid impact on the s species Celtis blondii, Pterts dispa restricted plants Vitis balansaeana and Rhapis excellsa?	meommon and rare plant or and <i>Ardicia pusilla</i> , and the		~					
EM&A: O2	Are fences erected in accordance with the Hoarding Plan and kept in good condition along the boundary of construction sites to prevent tipping, vehicle movements, and encroachment of personnel into adjacent wooded areas, particularly where the rare, uncommon and restricted plant species are located?			in good condition along the boundary of construction prevent tipping, vehicle movements, and encroache personnel into adjacent wooded areas, particularly	,	1			
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and to surrounding areas?	ned to ensure that the work site that no damage occurs to		/					
EM&A: Q4	Is open fire prohibited and prever boundary during construction? Is equipment provided in the work a	temporary fire fighting		1					
		Traffic	1	Cons	structi	on acti	lvities inside the		
-	Major noise source(s)	Construction activities outside the site	7		ers B	achi	puel Kirks		

VEP: Cap311R: Cap3110: Varied Environmental Permit APC (Construction Dust) Regulation APC (Open Burning) Regulation

Cap311: Cap466:

Air Pollution Control Ordinance Dumping at Sea Ordinance

EM&A: EM&A Manual (Construction Phase)
NCO: Noise Control Ordinance
Cap354: Waste Disposal Ordinance

Cap354c: WDO (Chemical Waste) (General) Regulation

Unk: Unknown

Remark		
NIL		
:		
:		
Signatures	· · · · · · · · · · · · · · · · · · ·	
ET Member	Contractor's Representative	
Colm.	Mchen:	
(Name in Block letters:	Name in Block letters: F.W. Chey	

20th December 2001

ANDREW NG)

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

nspection dat	e 15/8/2002 Time //: 00 3m Inspecte	ed by	ET:	- An	drew	Ng
Epoolou su.			Contr	actor	Hid	and che
ite	Transmission Project - hospilary					
eather			18			
Condition	Sunny Fine Overcast Hazy		Drizz	rie [Rai	in Stor
Cemperature	Humidity High Moderate		Low	t.		
Wind	Calm Light Breeze Strong					
ENERAL					3	it.
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5 .	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		V			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		V			
IR QUALI	Checklist Condition	N/A	Yes	No	Unk	Remarks
Ref.						
C -211D:	General Requirements Has the contractors notified EPD of the construction site which is	1	Γ.	T		
Cap311R:	classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	V				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	1				
	Stockpiling of dusty materials		1		_	_
Cap311R: Sch 18 EM&A:J1	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?	1				
	Use of vehicles					
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	1				
	Miscellaneous		/ [
Cap311R:	Are completed earthworks sealed and hydroseeded and planted as	1				4.4

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

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

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	/				
EM&A: L2~L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	1		(5.		
NCO	Are valid construction noise permits, if required, available for inspection?	1				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	1				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	1				

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: 01	Are the construction activities at la monitored to avoid impact on the u species Celtis biondii, Pteris dispa restricted plants Vitis balansaeana, and Rhapis excellsa?	ncommon and rare plant r and Ardicia purilla, and the		V			
EM&A: O2	Are fences erected in accordance win good condition along the bound prevent tipping, vehicle movement personnel into adjacent wooded ar uncommon and restricted plant spe	ary of construction sites to s, and encroachment of eas, particularly where the rare,		1			
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and to surrounding areas?	ned to ensure that the work site that no damage occurs to		1			
EM&A: Q4	Is open fire prohibited and preven boundary during construction? Is equipment provided in the work a	temporary fire fighting		1			
		Traffic		site		one of	vities inside the
	Major noise source(s)	Construction activities outside the site	1	Othe	rs B	ach	powel neise

VEP:

Varied Environmental Permit

Cap311R: Cap3110: APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Dumping at Sea Ordinance

Cap311: Cap466:

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

Cap354: Waste Disposal Ordinance Cap354c: WDO (Chemical Waste) (General) Regulation

Unknown

Remark		
- 24		
	NIL	
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Const. Comp. In contract	AND REAL PROPERTY AND REAL PRO	

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

ANDREW NG)

Name in Block letters: F.W. Cher

20th December 2001

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

Endorsed by ET = Andrew Ng Inspected by Inspection date Contractor: Wicken O Che Total wission Project - Loaflein Site Weather Drizzle Rain Storm Overcast Sunny Fine Condition Moderate Low High Humidity Temperature Breeze Strong Calm V Light Wind

GENERAL

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5 .	Has a copy of the most updated Environmental Permit been, displayed at all vehicular site entrances/exits for public information?		1			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		V			

AIR QUALITY

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

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	Dredged Materials								
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	1				122*			
Cap466	Are wastes disposed of at licensed sites?	V	i i						
	Construction Waste and Excavated Materials								
Cap354	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	V							
Cap354	Are wastes disposed of at licensed sited?	1							
	Chemical Waste								
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1	#						
Cap354C	Has the Contractor registered as a chemical waste producer?	V							
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	V							

		N/A	Yes.	No	Unk	Remarks
Ref	Checklist Condition					150
EM&A: Mi	Are rubble mound seawalls constructed for the landing and launching points at Lamma Island?	1				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	/				
EM&A: L2~L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	V				
NCO	Are valid construction noise permits, if required, available for inspection?	1				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	1				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	1	112			

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A:	Are the construction activities at la monitored to avoid impact on the u species Celtis biondii, Pteris dispa restricted plants Vitis balansaeana, and Rhapis excellsa?	ncommon and rare plant r and Ardicia pusilla, and the		V			
EM&A: O2	Are fences erected in accordance with the Hoarding Plan and kept in good condition along the boundary of construction sites to prevent tipping, vehicle movements, and encroachment of personnel into adjacent wooded areas, particularly where the rare, uncommon and restricted plant species are located?			1			
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and to surrounding areas?		1				
EM&A: Q4	Is open fire prohibited and preven boundary during construction? Is equipment provided in the work a	temporary me ngnung		1			
	Traffic			site			ivities inside the
	Major noise source(s)	Major noise source(s) Construction activities outside the site			ers B	acks	puel Keis

VEP:

Varied Environmental Permit

Cap311R:

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

Cap3110: Cap311: Cap466:

Dumping at Sea Ordinance

EM&A: EM&A Manual (Construction Phase)
NCO: Noise Control Ordinance
Cap354: Waste Disposal Ordinance
Cap354o: WDO (Chemical Waste) (General) Regulation

Unk Unknown

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Signatures

ET Member

Contractor's Representative

(Name in Block letters:

ANDREW NG)

Name in Block letters: F.W. Chen

20th December 2001

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

	Weekly Site Inspection Checklis	t ed bi	TT.	۸.	1	Ma
inspection d	Endors ate 29/8/2002 Time //:000m Inspects	d by	ET:			al chu
Site	Transmission Project - Loadlein					
Veather Condition Temperatu Wind GENERAL	Sunny Pine Overcast Hazy re 32°C Humidity High Moderat Calm Light Breeze Strong	• [Drizz		Ra	in Stor
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5 .	Has a copy of the most updated Environmental Permit been, displayed at all vehicular site entrances/exits for public information?		1			3
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		V			p. 1
AIR QUAL	ITY					
Def	Checklist Condition	N/A	Yes	No	Unk	Remarks

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

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

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

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

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	/				
EM&A: L2~L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	V				74
NCO	Are valid construction noise permits, if required, available for inspection?	1				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	1				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	1	-		-	

TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at la monitored to avoid impact on the u species Celtis biondii, Pteris dispa- restricted plants Vitis balansaeana, and Rhapis excellsa?		~				
EM&A: O2	Are fences erected in accordance win good condition along the bound prevent tipping, vehicle movement personnel into adjacent wooded ar uncommon and restricted plant spe		1				
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and to surrounding areas?		1				
EM&A: Q4	Is open fire prohibited and preven boundary during construction? Is equipment provided in the work a	temporary mre ngnung		1			
	31	Traffic		site			ivities inside the
	Major noise source(s)	Major noise source(s) Construction activities outside the site			rs B	acks	powel heis

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

Cap3110: Сар311: Сар4бб:

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

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

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Signotures					

ET Member

Contractor's Representative

(Name in Block letters:

ANDREW NG)

Name in Block letters: F.W. Chen