### Appendix I

Site Audit Summary

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

Inspection	date 6/3/02 Time 3-00 pm Inspect	ed By	ET:	STAI	UEY To	CHAN BRAN LEUNG
Site	LHX- Ste Formation		Cola	14010	n. 16	CAN LEUNG
Weather						<del></del>
Condition	Sunny Fine Overcast Hazy				R	ain Storm
Temperatu	re[9]°C Humidity High Modera	te	] Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL		•	<i>"</i> <b>=</b> •		_	<del></del>
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?		$\sqrt{}$		,	
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		,/	. <u> </u>		
AIR QUALI	· · · · · · · · · · · · · · · · · · ·	·		ĺ		<u> </u>
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?	<b>√</b>				
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	√·				
	Construction Sites					
EM&A: Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?	<b>/</b>	•			
	Stockpiling of dusty materials		,			
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		,			-

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)		•			· · · · · · · · · · · · · · · · · · ·
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?					
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?					
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?					
	Loading, unloading or transfer of dusty materials			_		
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?					
EM&A: 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?	$\checkmark$				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?					
EM&A:	Are all the conveyor transfer points totally enclosed?	17	1	Π		1

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
<del></del> -	Miscellaneous		•			
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	1			ï	
Cap3110	Is open burning prohibited?		$\sqrt{}$			
Cap311	Is black smoke emission from plant/equipment avoided?		$\sqrt{}$			

#### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks				
<del></del> .	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?		$\sqrt{}$							
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?	$\sqrt{}$								
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?	,/								
EM&A: E3	Are wastes disposed of at licensed sites?	Ĭ								
· · · · · · · · · · · · · · · · · · ·	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?	$\sqrt{}$								
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?	1								
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?									

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks				
WMP 5.5.2	Is the refuse disposed of regularly and properly?			,		c·				
WMP 5.5.2 5.5.3	Are burning of refuse at site and dumping at sea prohibited?		$\sqrt{}$		_					
	Chemical Waste									
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?									
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"?	$\sqrt{}$								
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;		ļ							
	(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
14111	Dredging activities					
VEP 3.3 /EM&A: BI	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		<b> </b>		·	
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?		$\sqrt{}$			

Ref	Checklist Condition	N/A	Yes	No	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?			,		<del></del>
EM&A: B7	Are fully-enclosed or watertight grabs used to minimize loss of sediment during dredging?					<u>-</u>
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?	7				
EM&A: 87	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?	Ĭ				
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?					<u> </u>
EM&A: B7	Is the speed of trailer dredgers under control to avoid stirring up of sea bed sediment?					<del>-</del>
EM&A: B7	Is "rainbowing" sand fill from trailer dredgers prohibited?	1				
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	<u></u>			F	
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"?					<u> </u>

#### MARINE ECOLOGY

Ref	Checklist Condition	N/A	Хes.	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	<b>/</b>				
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?	$\sqrt{}$				

#### NOISE

Ref	Checklist Condition	. —	N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedul			$\setminus$			
EM&A: Cl	Are construction works or equipm nuisance?	ent sited to minimize noise		/			
EM&A: C1	Are all plant and equipment maint conditions?	ained in good operating					·
EM&A: C1/GP	Is idle equipment turned off or the	ottled down?		$\sqrt{}$			
EM&A: C1	Are methods of working devised a nuisance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried ou nuisance?	t in a manner to minimize noise					
EM&A: C2	To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted?  a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods?			/			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle	on noise, is dredging equipment rs?					
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	ise permits, if any, for the emented accordingly?		/			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?			/			
<del></del>	Traffic			Const site	ructio	n activ	ities inside the
	Major noise source(s)		Other	·s			

#### Abbreviation

VEP: WMP: Varied Environmental Permit

Waste Management Plan

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

Cap311:

DNRP: Dredging & Reclamation Plan
EM&A: EM&A Manual (Construction Phase)
NCO: Noise Control Ordinance WDO: Waste Disposal Ordinance

Unknown Unk:

Remark		,	
#111			
NIL.			
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			<del></del>
<u></u>		* * * * * * * * * * * * * * * * * * *	
Signatures		·	
ET Member	Contractor's Representative		
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ah			

(Name in Block letters:

12th June 2001

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

Inspection of	late $\frac{3}{3}$	ed By				(HAN)
Site	LHX - Site Formation		Cont	racto	T: FER	RAN (EVN)
Weather	<u>.</u>					
Condition	Sunny Fine Overcast Hazy		Driz	zle [	Ra	nin Storm
Temperatu	re	te	Low	,		
Wind	Calm Light Breeze Strong					
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			_
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?			- :		_
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Ref.		N/A	Yes	No	UDK	Kemarks
	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?	1				
	Construction Sites					<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					
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										
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:	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	<u></u> ,									
	Use of vehicles										
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/									
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?				_ · ·						
	Transfer of dusty materials using a belt conveyor system										
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?										
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	$\checkmark$									
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	<b>\</b>									
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	<b>/</b>									
	Concrete batching plant .										
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?										
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?										
EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?										
EM&A:	Are all the conveyor transfer points totally enclosed?	17									

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

#### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP: 3.3/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?		$\checkmark$			
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?	7				
	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?	7				
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?	<b>/</b>			-	
WMP 5.4.1	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	<b>V</b>				
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?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
WMP.5.5.2	Is the refuse disposed of regularly and properly?			ľ	1999	. r·			
WMP 5.5.2 5.5.3	Are burning of refuse at site and dumping at sea prohibited?		$\sqrt{}$						
	Chemical Waste								
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?		•						
WDO	Has the Contractor been registered as a chemical waste producer?	$ \mathcal{J} $	•						
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?								
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?								
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?	<b></b>				•			
	(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					
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?		$ egthinspace{1.5em} otag$			·

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?	/				f* <u>-</u>
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?	V				<del></del> -
EM&A: B7	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?	Ž		<del></del>		
EM&A: B7	Are barges filled to a level, which ensures that materials do not spill over during loading and transportation?					<del>-</del>
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?	<b>V</b>				
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?	$\checkmark$				
	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	Ve.	No.	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	<b>/</b>				
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: CI	Are construction works or equipm nuisance?	ent sited to minimize noise					
EM&A: Cl	Are all plant and equipment main conditions?	tained in good operating					
EM&A: C1/GP	Is idle equipment turned off or the	rottled down?		$\sqrt{}$			
EM&A: Cl	Are methods of working devised a nuisance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried ou nuisance?	t in a manner to minimize noise					
EM&A: C2	To mitigate construction noise du holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?						
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	ise permits, if any, for the emented accordingly?					
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand					
-		Traffic	V	Const site	ructio	n activ	ities inside the
	Major noise source(s)	Construction activities outside the site		Other	s		

#### **Abbreviation**

VEP:

Varied Environmental Permit

WMP: Cap311R: Waste Management Plan

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

Cap311O: Cap311:

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

Noise Control Ordinance NCO: Waste Disposal Ordinance WDO:

Unk: Unknown

Remark	 	<del></del>	
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	to the Price Management of the Control of the Contr		
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Signatures	 		

(Name in Block letters:

ET Member

(Name in Block letters:

Contractor's Representative

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

Inspection of	late 20/3/02 Time (0.30 am Inspect	ed By	ET:	Ku	dey (	Chan C. Hui
Site	LMX-Site Formation		Cont	IACIO	ii: W. [	L. Hui
Weather						<del></del>
Condition	Sunny Fine Overcast Hazy				Ra	ain Sto
Temperatu	re 21 °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?		J			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?	<u> </u>	/			
AIR QUALI	Checklist Condition	N/A	Yes	No.	Unk	Remarks
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		/			
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?	/				
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	$\checkmark$				
	Construction Sites					
EM&A: Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?	<b>/</b>				
	Stockpiling of dusty materials					
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?					

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)					·
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?					
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?					
Cap311R: Sch 15(2)	Is bulk cement or dry PFA stored in a closed silo fitted with a high-level alarm?					
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?					
	Loading, unloading or transfer of dusty materials					
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?		$\sqrt{}$			
EM&A:	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		<b>/</b>			\$ 150, 5 F
	Use of vehicles	-				
Cap3i1R: Sch 2i(2) EM&A: Al	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?					
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?					
	Transfer of dusty materials using a belt conveyor system	·		- <b></b> -		
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?			7		
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		!			<u> </u>
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?					
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?					
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?	<del>- /</del>		-+		

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

#### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	Dredged Materials								
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?	$\sqrt{}$				· .			
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?				:				
EM&A: E3	Are wastes disposed of at licensed sites?								
	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?	$\sqrt{}$							
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					<del></del>			
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?			′	3	e .			
WMP 5.5.2 5.5.3	Are burning of refuse at site and dumping at sea prohibited?		$\sqrt{}$						
	Chemical Waste								
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?								
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"?	$\sqrt{}$							
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?								
	Storage, collection and transportation of waste								
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?								
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?		-						
	public fill materials for on-site reuse, or disposal at public filling area;	$\sqrt{}$							
	(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					
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		$\overline{\ }$			
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?	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?	7				
ЕМ&А: В7	Are the barges loaded carefully to avoid splashing of material?	17				
EM&A: B7	Are barges fitted with tight bottom seals to prevent leakage during loading and transportation?	7	)			
EM&A: B7	Are barges filled to a level, which ensures that materials do not spill over during loading and transportation?	<b>/</b>				
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				, <del>-</del> ·
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?					
<del></del>	Routing of construction related marine vessels					<del></del>
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"?		$\sqrt{}$			

#### MARINE ECOLOGY

Ref	Checklist Condition	N/A	Ϋ́	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	/	,			
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?		/			
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	7				

#### NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A:	Are working programmes schedul						
EM&A: C1	Are construction works or equipm nuisance?	ent sited to minimize noise		$\checkmark$			
EM&A: Cl	Are all plant and equipment main conditions?	tained in good operating		$\sqrt{}$	-		
EM&A: CI/GP	Is idle equipment turned off or the			$\sqrt{}$			
EM&A: CI	Are methods of working devised nuisance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried ou nuisance?	t in a manner to minimize noise					
EM&A: C2	To mitigate construction noise du holidays, is either one of the follo a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	wing measures adopted?					
EM&A: C3	To mitigate night time construction equipped with silencers or muffle	on noise, is dredging equipment ors?					
NCO	Are valid construction noise perminspection?	nits, if required, available for					
NCO	Are conditions of construction no relevant part(s) of the works impl	ise permits, if any, for the emented accordingly?		<b>/</b>			
NCO	Are valid noise emission labels fi held percussive breakers?	xed at air compressors and hand					
		Traffic	V	Const.	ructio	n activ	ities inside the
	Major noise source(s)	Construction activities		Other	s		

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

12th June 2001

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

Inspection	date 27/3/02 Time 15:00 Inspect	ed By	ET:	Stu	nley	Chan ran Leung
Site	LMX - Site Formution		Cont	racto	r:'7e,	ran Leung
Weather				·		
Condition	Sunny Fine Overcast Hazy		Driz	zle [	Ra	ain Sto
Temperatu	re 22 °C Humidity High Moderat	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL	***					
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
AIR QUAL	TTY Checklist Condition	N/A	Yes	No	Unk	Remarks
Kei.		WA	165	INU	UUK	Remarks
Cap311R: 3	General Requirements  Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		/			
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?	V				
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	1				
	Construction Sites	J	l	l	L	1
EM&A: Al	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?	1/				

Are stockpiles of dusty materials entirely covered with impervious

sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?

Cap311R: Sch 18 Stockpiling of dusty materials

Ref.	Checklist Condition	N/A	Yes	No	·Unk	Remarks
	Cement and dry pulverized fuel ash (PFA)			•		
Cap311R: Sch 15(3)	Are the storage silos for cement or dry PFA prevented from overfilling?	1				
Cap311R: Sch 15(4)	Are the handlings of cement or dry PFA through a totally enclosed system equipped with air pollution control equipment at the vent of the system?	/				
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(i)	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	<b></b>				,
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?	1				
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?			<b>+-</b> ···		
EM&A: A2	Are all the conveyor transfer points totally enclosed?	1				

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

#### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
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?	1				
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?	/			:	
	Construction Waste and Excavated Materials				<u> </u>	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?	1				
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	1				
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?	1				
	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	Nọ	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?		1	· · · · · ·					
	Chemical Waste								
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	1							
WDO	Has the Contractor been registered as a chemical waste producer?	1							
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	~							
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	1							
EM&A: E4	Is the chemical waste storage, if any, well maintained, kept closed and locked?	/				-			
	Storage, collection and transportation of waste								
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?	<b>/</b>							
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;	V							
	(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					
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?	1				
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?		V			

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?	V				
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?	V				
EM&A: B7	Are the barges loaded carefully to avoid splashing of material?	V		-12.		•
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?	<i>i</i> /				
EM&A: B7	Is adequate freeboard maintained to ensure the decks are not washed by wave motion?	1				
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				
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			•	1	
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: Gl	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	1				
EM&A: G2	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?		/			
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	1				

#### NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedu	led to minimize noise nuisance?					
EM&A: C1	Are construction works or equiprinuisance?	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 th	rottled down?	1	1			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		/			
EM&A: C1)	Are construction works carried or nuisance?						
EM&A: C2	To mitigate construction noise du holidays, is either one of the folloa) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?		/				
EM&A: C3	To mitigate night time construction equipped with silencers or muffle		/				
NCO	Are valid construction noise perm inspection?	nits, if required, available for		·/			
NCO	Are conditions of construction no relevant part(s) of the works impl			/			
NCO	Are valid noise emission labels fi held percussive breakers?		/				
·	Major noise source(s)	Traffic		Constr site	uctio	a activ	ities inside the
	Major noise source(s)	Construction activities outside the site					

#### Abbreviation

VEP: WMP: Varied Environmental Permit

Cap311R:

Waste Management Plan APC (Construction Dust) Regulation APC (Open Burning) Regulation

Cap3110: Cap311:

Air Pollution Control Ordinance

DNRP: Dredging & Reclamation Plan

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

NCO: Noise Control Ordinance WDO: Waste Disposal Ordinance

Unk: Unknown

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

(Name in Block letters:

ET Member

VIET CHAID,

Name in Block letters:

Contractor's Representative

TERRAN LEUNG)

12th June 2001

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

10 = 000m

Time

Inspection date

ET: Andrew

Contractor: Michael Chui

Inspected by

Site	TRANSMISSION, ROOTE - HOARDING		,			
Weather						
Condition	Sunny Fine Overcast Hazy		Drizz	_	Ra	in Storm
Temperatu	re 17 °C Humidity High Moderat	e	Low	<i>'</i>		
Wind	Calm Light Breeze Strong				-	
GENERAL						
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		<b>/</b>			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		<b>/</b>			
AIR QUALI	TY 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?	<b>/</b>				
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?	<b>/</b>				
	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?	<b>/</b>				
	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?	<b>/</b>				
	Miscellaneous					
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	<b>/</b>				
					*	

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

#### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks			
	Dredged Materials					<u> </u>			
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/							
Cap466	Are wastes disposed of at licensed sites?	<b>/</b>							
	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?	<b>/</b>	3						
Cap354	Are wastes disposed of at licensed sited?	<b>V</b>							
	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)?	<b>/</b>							
Cap354C	Has the Contractor registered as a chemical waste producer?								
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	<b>\</b>							

#### MARINE ECOLOGY

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

#### NOISE

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	/	(			
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	<b>/</b>				
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?	<b>/</b>				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	<b>/</b>				

#### TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	monitored to avoid impact on the species Celtis biondii, Pteris dis	t landing points N4 & N5 closely the uncommon and rare plant topar and Ardicia pusilla, and the tina, Pterospermum heterophyllum		<b>\</b>			
EM&A: O2	in good condition along the bou prevent tipping, vehicle moveme	ents, and encroachment of areas, particularly where the rare,		<b>✓</b>			
EM&A: Q3	Has regular checking been performed boundaries are not exceeded and surrounding areas?	ormed to ensure that the work site if that no damage occurs to		<b>/</b>	,		
EM&A: Q4	Is open fire prohibited and preve boundary during construction? I equipment provided in the work	s temporary fire fighting		V			
	W. C.	☐ Traffic		Consti site	uctio	n activi	ities inside the
	Major noise source(s)	Construction activities outside the site	Ø	Others	<u>Ва</u>	ckgro	und notice anly

### Abbreviation EM&A: EM&A Manual (Construction Phase) NCO: Noise Control Ordinance VEP: Varied Environmental Permit Cap311R: APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Dumping at Sea Ordinance Cap354: Weste Disposal Ordinance Cap354c: WDO (Chemical Waste) (General) Regulation Cap3110: Cap311: Cap466: Unknown Remark Signatures ET Member Contractor's Representative

(Name in Block letters:

CHOI

20th December 2001

ANDREW NG

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

Inspection of	late $14/3/2002$ Time $11:000$ Inspected by	-	Andrew	
Site	Transmission Route - Hoarding	Com	ractor: M	idael Chui
Weather				
Condition	Sunny Fine Overcast Hazy	Driz	zle]I	Rain Storm
Temperatu	re 22 °C Humidity High Moderate	Lov	w.	
Wind	Calm Light Breeze Strong			
GENERAL				
Ref.	Checklist Condition N/	/A Yes	No Unk	Remarks
VEP 1.5	Has a copy of the most 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?	<b>\</b>		·
			· · · · · · · · · · · · · · · · · · ·	i i
AIR QUALI	ТҮ			٠.
			1 1	

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

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
Cap311O	Is open burning prohibited?		<u> </u>			
Cap311	Is black smoke emission from plant/equipment avoided?	$\checkmark$				

#### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials	<u>'</u>				
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
Cap466	Are wastes disposed of at licensed sites?	$\overline{\ }$				
	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?	<b>/</b>	ş			
Cap354	Are wastes disposed of at licensed sited?	<b>/</b>				
	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)?	<b>/</b>				
Cap354C	Has the Contractor registered as a chemical waste producer?	<b>\</b>				
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?					

#### MARINE ECOLOGY

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

#### NOISE

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?	/				
EM&A: L2 ~ L5	Are quiet PMEs (particularly the barge-mounted crane) or PMEs with comparably effective source noise controls used at landing point N5?	<b>/</b>				
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?	<b>/</b>				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	<b>/</b>				

#### TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	monitored to avoid impact on the species Celtis biondii, Pteris dis			<b>V</b>			î.
EM&A: O2	in good condition along the bour prevent tipping, vehicle movement	ents, and encroachment of areas, particularly where the rare,		$\checkmark$			
EM&A: Q3	Has regular checking been perfo boundaries are not exceeded and surrounding areas?	rmed to ensure that the work site that no damage occurs to		✓	/		
EM&A: Q4	Is open fire prohibited and preve boundary during construction? I equipment provided in the work	s temporary fire fighting		V			<u>.</u>
		Traffic		Const	netio	n activi	ities inside the
	Major noise source(s)	ALWINEY		site	uctio	ii activi	
	iviajor noise source(s)	Construction activities outside the site	<u> </u>	Others	Bai	ckgro	and notice anly

### **Abbreviation** VRP: Varied Environmental Permit EM&A: EM&A Manual (Construction Phase) Cap311R: APC (Construction Dust) Regulation NCO: Noise Control Ordinance APC (Open Burning) Regulation Cap354: Waste Disposal Ordinance Cap3110: Air Pollution Control Ordinance Dumping at Sea Ordinance Cap311: Cap354e: WDO (Chemical Waste) (General) Regulation Cap466: Unk: Unknown Remark Signatures ET Member Contractor's Representative

20th December 2001

(Namelin Block letters:

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

Inspection of	late 21/3/2002 Time 11:00 dm Inspect	ted by	ET: Andrew No.				
Site	Transmission Route - Hoarding	j	Cont	racto	r: Mia	hael Chui	
Weather							
Condition	Sunny Fine Overcast Hazy		Driz	zle [	Ra	in Storn	
Temperatu	re 25 °C Humidity High Moderat	- - ا	Low				
Wind				,			
wing	Calm Light Breeze Strong						
GENERAL							
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks	
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		<b>✓</b>			·	
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?			-			
AIR QUALI	Checklist Condition	N/A	Yes	No	Unk	Remarks	
	General Requirements		<u> </u>	<u></u>		<u> </u>	
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?		/				
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person.  Has this been observed?	V			1		
	Stockpiling of dusty materials	<b>!</b>	L		L	L	
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?	<b>/</b>					
	Use of vehicles	1	L		L	L	
Cap311R: Sch 21(2)	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?						
	Miscellaneous	L.,	L	L	L	L	
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?						

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

#### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks				
<del></del>	Dredged Materials	<u> </u>								
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?									
Cap466	Are wastes disposed of at licensed sites?	J								
	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?	<b>/</b>	)							
Cap354	Are wastes disposed of at licensed sited?	1								
	Chemical Waste					<u> </u>				
Cap354C	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	<b>/</b>								
Cap354C	Has the Contractor registered as a chemical waste producer?	/		-	1					
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	/								

#### MARINE ECOLOGY

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

#### NOISE

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

#### TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks	
EM&A: O1	monitored to avoid impact on the species Celtis biondii, Pteris dis	landing points N4 & N5 closely e uncommon and rare plant par and Ardicia pusilla, and the na, Pterospermum heterophyllum		<b>/</b>				
EM&A: O2	in good condition along the bou prevent tipping, vehicle movement	ents, and encroachment of areas, particularly where the rare.		V	-			
EM&A: Q3	Has regular checking been performed boundaries are not exceeded and surrounding areas?	ormed to ensure that the work site if that no damage occurs to		/				
EM&A: Q4	Is open fire prohibited and previous boundary during construction? I equipment provided in the work	Is temporary fire fighting		<b>/</b>				
		☐ Traffic	ĪП	Conce	matia		vities inside the	
	Major noise source(s)			site	ı ucu	on activ	ities inside the	
	Availat noise source(s)	Construction activities outside the site	Others Background noise only					

#### Abbreviation

VEP; Cap311R; Cap3110:

Cap311: Cap466:

Varied Environmental Permit APC (Construction Dust) Regulation APC (Open Burning) Regulation Air Pollution Control Ordinance Dumping at Sea Ordinance

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

Remark		
NIL		
	the second second	
Signatures		
ET Member	Contractor's Representative	
	<i>y</i>	
121	Merken	
(Name in Block letters:	(Name in Block letters:	
ANDREW NG	MICHAEL CHUL)	

20th December 2001

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

	Weekly Site Inspection Checkli	st				
Inspection	date 27/3/2002 Time //2003m Inspect	ted by	ET:			Ng hael Chul
Site	Transmission Route - Hornding	- 1			1916	nae City
Weather						
Condition	Sunny Fine Overcast Hazy		Driz	zle [	Ra	nin Stor
Temperatu	re 25°C Humidity High Moderate	te _	Lov	7		
Wind	Calm Light Breeze Strong					
GENERAL			·			
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most updated Environmental Permit been displayed at all vehicular site entrances/exits for public information?		<b>\</b>			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		<b>1</b>			
		l				
AIR QUALI	TY					
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?			6.		
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Has this been observed?	/				
	Stockpiling of dusty materials					<u></u>
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?		<b>/</b>			· .
	Use of vehicles	Iİ		L		

Miscellaneous

soon as possible?

Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?

Are completed earthworks sealed and hydroseeded and planted as

Cap311R: Sch 21(2)

Cap311R: Sch 16

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

#### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials			L		<u>.</u>
Cap466	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?					
Cap466	Are wastes disposed of at licensed sites?	/				
	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?	/	ę			
Cap354	Are wastes disposed of at licensed sited?	<b>/</b>				
	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)?	V				
Cap354C	Has the Contractor registered as a chemical waste producer?	/				
Cap354C	Is chemical waste handled according to the "Code of Practice on the Packaging, Handling and Storage of Chemical Waste"?	/				

#### MARINE ECOLOGY

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

#### NOISE

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: L1	Are quiet PMEs or standard PMEs with modest source noise controls used at the cable route from N4 to N5?		<b>/</b>	,		
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?	<b>V</b>				
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?	<b>V</b>				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?					

#### TERRESTRIAL ECOLOGY

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: O1	monitored to avoid impact on the species Celtis biondii, Pteris dis			<b>/</b>			. S
EM&A: O2	in good condition along the bour prevent tipping, vehicle moveme	ents, and encroachment of areas, particularly where the rare,		\ <u></u>			
EM&A: Q3	Has regular checking been perform boundaries are not exceeded and surrounding areas?	rmed to ensure that the work site that no damage occurs to		<b>/</b>	,		
EM&A: Q4	Is open fire prohibited and preve boundary during construction? Is equipment provided in the work	s temporary fire fighting		/	/		
		☐ Traffic		Consti	uctio	n activ	ities inside the
	Major noise source(s)	Construction activities outside the site	Site  Others Background not				and poise only

#### Abbreviation

VEP: Cap311R: Varied Environmental Permit

Cap3110:

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

Cap311: Сар466:

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

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

Name in Block letters:	Maryo in Block letters:		
ET Member	Contractor's Representative		
Signatures			
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NIL	,		<del>                                     </del>
Remark			

CHUI)

20th December 2001

ANDREW NG