# Appendix H

Site Audit Summary

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

Inspection	date $6/8/03$ Time $0.00$ Inspect	ed By	<del>  -</del>		<del></del>	Chan
Site	LMX - Site Formation		Con	racto	or: /v	1. K. Hui
Weather						
Condition	Sunny Fine Overcast Hazy	[v	Driz	zle	R	ain Stor
Temperatu	are 29°C Humidity 1 High Modera	te	Lov	V		
Wind	Caim Light Breeze Strong					
GENERAL		. •				
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
	•					<u> </u>
AIR QUAL	ITY CONTRACTOR OF THE PROPERTY			-	· .	
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	E Steps	:	-		
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 multi-EPD of the change?	>13-6		(本) (基)	#2746 #2746 \$2.045	r Core (M Sign
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?			-		
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
_	Construction Sites		L. <u> </u>	<u> </u>		<u>-</u> .
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?					
	Stockpiling of dusty materials					
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 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?					<del>-</del>
	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?	/	<i>'</i> :			
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	$\checkmark$				
	Use of vehicles				٠.	
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?		\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \		5 % (1) (1) (1) (1) (1) (1) (1) (1) (1) (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 hottom plates or similar means to prevent falling of materials from the return belts?		- 3 ** 3	1 e	19 <b>48</b>	2013年 <b>2013年</b> 2013年 2014 2015 2015 2015 2015 2015 2015 2015 2015
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?	<b>/</b>	^			
Cap311O	Is open burning prohibited?		/	Ü		
Cap311	Is black smoke emission from plant/equipment avoided?					

#### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials		_i.			
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/	7			
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/	·			
EM&A: E3	Are wastes disposed of at licensed sites?	/	. 17 - 18 1		: /·	
	Construction Waste and Excavated Materials	_	-			
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	1	. j			
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?					
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		/			
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?					
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?		<b>950-013</b>		<b>2</b> 652	
EM&A: E3	Are wastes disposed of at licensed sites?		<b>VA</b> 20			
	General refuse	. :-0				· · · · · · · · · · · · · · · · · · ·
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?					
WMP	Is general refuse stored within receptacles and separated from chemical wastes?	/				
WMP	Is the refuse disposed of regularly and properly?		/	-		
WMP	Are burning of refuse at site and dumping at sea prohibited?		$\Box$			<u> </u>
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?					

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?		<del></del>		<del>-</del>	 }
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?					<u>-</u>
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;		7		<u>-</u>	
	(2) reusable / recyclable materials;	:/				
	(3) un-reusable / non-recyclable waste for landfill disposal.	Ž				
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?			-		<u></u>

# WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
·	Surface Run-off	j.		L		
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	/			-	
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by tainstorms? Is appropriate dramage like intercepting channels provided where necessary?			1. 19	e see	
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?			an i sa	الميت الموا	
PN1/94	Are open stockpiles of construction materials (e.g. aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	<b>/</b>				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	<u>/</u>	•			
PN1/94	Groundwater  Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?		<u> </u>			

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

## MARINE ECOLOGY

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

# NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A:	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 maint conditions?	ained in good operating			,		
EM&A: C1/GP	Is idle equipment turned off or thr	ottled down?	-				
EM&A: C1	Are methods of working devised a nuisance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried or nuisance?	nt in a manner to minimize noise		/	/		-
EM&A: C2	To mitigate construction noise du holidays, is either one of the folio a) Mitigation by portable noise b) Rescheduling of some power sensitive time periods?	wing measures adopted? barriers at noise sources or		<b>/</b>			
EM&A: C3	To mitigate night time construction equipped with silencers or muffle						
NCO	Are valid construction noise perminspection?	uits, 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	Ø	Const site	ructio	n activ	rities inside the
	Major noise source(s)		Other	2			

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

11th November 2002

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

Inspection of	late 12/8/1003 Time 14:00 Inspect	ed By	ET:	A 411	MAS	
Site	LMX-Site Formation		Con	14010	<u> </u>	t. Hul
Weather				_		
Condition	Sunny Fine Overcast Hazy		Driz	zie {	Ra	nîn Stor
Temperatu	re [3] °C Humidity High  Moderat	ie	Low	7		
Wind	Calm Light V Breeze Strong		ŀ			
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?		-/	 . <del>*</del> -		
AIR QUAL	The second secon	N/A	Yes	No.	Uak	Remarks
Ref.	Checklist Condition	N/A	Yes	No	Uak	Remarks
·	General Requirements					r <del>-</del>
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD in the change?		V.	4	<b>秦</b> 在300 第644	
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?	· /				
	Construction Sites	·	J	<u> </u>	l	<u> </u>
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		V			
	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?	<b>V</b>				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	/				
	Loading, unloading or transfer of dusty materials					<u> </u>
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?	V	!			
EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	<b>√</b>				
-	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?	<b>√</b>				
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?	٠	<b>√</b>			
	Transfer of dusty materials using a belt conveyor system					
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	V				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally, enclosed?					\$5 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7
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?		e diaka Kalama	js Pa	18 & 1 3 <b>44</b> (8)	i terlên î Artanti, pr
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?	V	·			
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	J.				
EM&A:	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	<i>\</i>				
A2		] V				

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?					<u> </u>
Cap311	Is black smoke emission from plant/equipment avoided?					

### WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	/				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?					
EM&A: E3	Are wastes disposed of at licensed sites?	<b>/</b>		=1 -		
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	1		r can	··. · ·	- 12 ·
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	$\checkmark$				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	•	. 🗸	<u>-</u>	٠.	
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?					
<b>WMP</b> .	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	4	31.32			ľ
EM&A: E3	Are wastes disposed of at licensed sites?		<u>. (1.347)</u>	Sec. 3	8	
	General refuse					
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?	<b>/</b>				
WMP	Is general refuse stored within receptacles and separated from chemical wastes?	/				
WMP	Is the refuse disposed of regularly and properly?		<u></u>	- 1	-	=
WMP	Are burning of refuse at site and dumping at sea prohibited?		1			
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	/			,	•

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?		· <del></del>			
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?			-		<b>-</b>
	Storage, collection and transportation of waste	^·				
EM&A: E3	Are wastes transported by enclosed containers or covered trucks?					
EM&A: E3	Are waste materials segregated and sorted into 3 categories as follows?					<u> </u>
	(1) public fill materials for on-site reuse, or disposal at public filling area;		1			<del></del>
	(2) reusable / recyclable materials;	./				
•	(3) un-reusable / non-recyclable waste for landfill disposal.	/	,	-		
EM&A: E3	Are the records of the quantities of wastes generated and disposed off-site for the 3 categories of waste properly maintained?				·	

### WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Surface Run-off			· .		
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?	·/				
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent crosion caused by rainstorms? Is appropriate dramage like intercepting channels provided where necessary?	·V	e de la composition della comp	Property of the control of the contr	27.3 36.7 <b>6</b> 6 36753	
PN1/94 · ·	Are measures taken to minimize the higress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	<u></u>			se, days	
PN1/94	Are open stockpiles of construction materials (e.g., aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?	V				
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	✓.				
PN1/94	Groundwater  Is groundwater that pumped out of wells discharged into storm drains after the removal of silt in silt removal facilities?	/				-

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

### 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"?		<b>/</b>			
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?			· .		

### NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A: C1	Are working programmes schedu	led to minimize noise nuisance?		/			
EM&A: Cl	Are construction works or equipmuisance?	nent sited to minimize noise		/			
EM&A: C1	Are all plant and equipment main conditions?	tained in good operating		<b>V</b>			·
EM&A: CI/GP	Is idle equipment turned off or th	rottled down?		/			
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise		\( \)			
EM&A: C1)	Are construction works carried or nuisance?	ut in a manner to minimize noise		✓ ·			
EM&A: C2	To mitigate construction noise du holidays, is either one of the folka) 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 mufile		1				_
NCO	Are valid construction noise permisspection?	nits, if required, available for	<b>†</b>	V			
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		✓			· · · · · · · · · · · · · · · · · · ·
<del></del>		☐ Traffic	<b>□</b>	Consti site	ructio	n activ	ities inside the
	Major noise source(s)	Construction activities		Other	s		

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

11th November 2002

Name in Block letters:

homas

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

Inspection	date 20/8/2003 Time [4:00 Inspec	ted By		(	C. F.	Lee
Site	LMX-Site Formation		Con	tracte	or: ん.	K. Hui
Weather		•		<u></u>	_	
Condition	Sunny Fine Overcast Hazy	. [	Driz	zle	R	ain Ston
Temperatı	rre 21 °C Humidity High Modera	te	Lov	v		
Wind	Calm Light Breeze Strong					
GENERAL		. •				<u></u>
Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		/			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		/			
AIR QUALI  Ref.	TY Checklist Condition	N/A	Yes	No	Unk	Remarks
	General Requirements	1471	163	110	Olk	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?				: 52.1.144	
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
	Construction Sites			!		-
EM&A: AI	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		/			
	Stockpiling of dusty materials	<u> </u>				
Cap311R: Sch 18	Are stockpiles of dusty materials entirely covered with impervious sheets or sheltered on the top and 3 sides or sprayed with water to maintain the entire surface wet to prevent dust emission?		•			

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
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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?		1	:		
	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?	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?	^				
EM&A:	Are all the conveyor transfer points totally enclosed?	17	1	T	[	

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

#### WASTE/CHEMICAL WASTE MANAGEMENT

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

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

# WATER QUALITY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
*	Surface Run-off					
PN1/94	Are the silt removal facilities, channels and manholes maintained and the deposited silt and grit removed regularly?					· · · · ·
PN1/94	Are earthworks final surfaces well compacted and the subsequent permanent work or surface protection carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms? Is appropriate drainage like intercepting channels provided where necessary?					
PN1/94	Are measures taken to minimize the ingress of rainwater into trenches? Is rainwater pumped out from trenches or foundation excavations discharged into storm drains via silt removal facilities?	/				
PN1/94	Are open stockpiles of construction materials (e,g, aggregates, sand and fill material) on site covered with tarpaulin or similar fabric during rainstorms? Are measures taken to prevent the washing away of construction materials, soil, silt or debris into the drainage system?					
PN1/94	Are manholes (including newly constructed ones) adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers?	<u>/</u> .	,			
PN1/94	Groundwater Is groundwater that pumped out of wells discharged into storm					
E4 <b>X1/94</b>	drains after the removal of silt in silt removal facilities?		•		[	-

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

### MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?		) in			
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	1	duled to minimize noise nuisance?		/			
EM&A: C1	Are construction works or equi nuisance?	pment sited to minimize noise	_			-	
EM&A: C1	Are all plant and equipment ma conditions?	sintained in good operating					
EM&A: CI/GP	Is idle equipment turned off or	throttled down?	-	/			
EM&A: C1	Are methods of working devise nuisance?						
EM&A: CI)	Are construction works carried out in a manner to minimize noise nuisance?			/			·
EM&A: C2	To mitigate construction noise of holidays, is either one of the fol a) Mitigation by portable noise b) Rescheduling of some powersensitive time periods?		/			, ,,,,	
EM&A: C3	To mitigate night time construct equipped with silencers or muff	tion noise, is dredging equipment lers?					· · · · · · · · · · · · · · · · · · ·
NCO	Are valid construction noise per inspection?	mits, if required, available for				1	<del></del>
NCO	Are conditions of construction of relevant part(s) of the works imp	oise permits, if any, for the olemented accordingly?				<u> </u>	
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?			/			<u> </u>
	Major noise source(s)	☐ Traffic		Constra	uction	activit	ies inside the
	none source(s)	Construction activities outside the site	Others				

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

11th November 2002

Name in Block letters

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

Inspection	date 17 H 03 Time 1600 Inspec	ted By			Duras	
Site	LKW-SITB FORKATZON		Con	uacı	or: FE	K) (HIM)
Weather					<u> </u>	· <b>-</b>
Condition	Sunny Fine Overcast Hazy		Driz	zle	R	ain Stor
Temperatu	re[₹]°C Humidity High ✓ Modera	ite [	Lov	*		
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?		/		:	
		· <u>-</u>			5 1 1 1 1	
AIR QUALI	TY				vije 541	<del>-</del>
· · · · · · · · · · · · · · · · · · ·	Grant Control	i.				
Ref.	Checklist Condition	N/A	Yes	No	Unk	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?		Ú		The state of the s	
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?		,			
	Construction Sites					
EM&A: AI	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?	. 1				
-	Stockpiling of dusty materials		<b>'</b>			-
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?					

Reſ.	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?	1				
Cap311R: Sch 17	Are the cement, dry PFA or other dusty materials collected by the air pollution control equipment disposed of in totally enclosed containers?	1				
	Loading, unloading or transfer of dusty materials					<u> </u>
Cap311R: Sch 19	Are dusty materials, except cement and dry PFA, sprayed with water immediately prior to any loading, unloading or transfer operation?		:			
EM&A: 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: 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 helt 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)				7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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?			:24:	7番 / ( <b>(水</b> ) / (()	- 1987 (1) + - 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:	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/.				
A2	· · · · · · · · · · · · · · · · · · ·					
A2 EM&A: A2	Are all the receiving hoppers enclosed on three (3)sides up to 3m above unloading point?	//				

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Miscellaueous					
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					
MP EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	1				
WMP EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	/				<u>.</u>
EM&A: E3	Are wastes disposed of at licensed sites?	7			·	
	Construction Waste and Excavated Materials					
WMP EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	<u>/</u> -	a disa se	-	·	
WMP	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	/				
WMP	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?		1		·	
WMP	Are the used formworks reused as far as possible before being disposed of in a landfill site?	:1 :21	1			
WMP	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	1	30 · 40 A 7 · 40 A 3 · 50 A 3 · 50 A	類	4055	) Villago e
EM&A: E3	Are wastes disposed of at licensed sites?	-		ļ.		
	General refuse	· · · · · ·				
WMP	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?	/				
WMP	Is general refuse stored within receptacles and separated from chemical wastes?	/		ı.		
WMP	Is the refuse disposed of regularly and properly?		/			
WMP	Are burning of refuse at site and dumping at sea prohibited?	•				
	Chemical Waste					
EM&A: E3	Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)?	(				

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
WDO	Has the Contractor been registered as a chemical waste producer?	/				
EM&A: E3	Has the Contractor kept all the trip tickets for the disposal of chemical waste and made them available for inspection?	/				
EM&A: E4	Is chemical waste handled according to the Code of Practice on the Packaging, Handling and Storage of Chemical Waste™?					
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;		1			
	(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?	: /	·		(34.7°	

# WATER QUALITY

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

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

### MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: J1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine manumals?		/	_		
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"?	•	/		2.4	
EM&A: G3	Is rubble mound seawall constructed to the south and west edges of the reclamation to enhance recolonisation of marine organisms?	1			- 1	<del></del>

### NOISE

Ref	Checklist Condition		N/A	Yes	No	Unk	Remarks
EM&A:	Are working programmes schedu	led to minimize noise nuisance?					
EM&A: CI	Are construction works or equipm nuisance?	nent sited to minimize noise					
EM&A: Cl	Are all plant and equipment main conditions?	tained in good operating		/			
EM&A: C1/GP	Is idle equipment turned off or the	rottled down?			-	,	
EM&A: C1	Are methods of working devised nuisance?	and arranged to minimize noise					
EM&A: C1)	Are construction works carried or nuisance?	nt în a manner to minimize noise		/			
EM&A: C2		wing measures adopted?					· .
EM&A: C3	sensitive time periods?  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	ise permits, if any, for the emented accordingly?		(		1	
NCO	Are valid noise emission labels fi held percussive breakers?	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?					
		☐ Traffic		Consti	ructio	activi	ities inside the
	M2jor noise source(s)	Construction activities outside the site					

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