

Appendix I

Site Audit Summary

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

Inspection date 2/5/02 Time 2:30 pm Inspected By ET: Stanley Chan
 Site LHX - Site Formation Contractor O. M. Chung

Weather

Condition ☒ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature 31 °C Humidity ☐ High ☒ Moderate ☐ Low
 Wind ☐ Calm ☒ Light ☐ Breeze ☐ Strong

GENERAL

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		<input checked="" type="checkbox"/>			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		<input checked="" type="checkbox"/>			

AIR QUALITY

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

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: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		✓			
Use of vehicles						
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	✓				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	✓				
Transfer of dusty materials using a belt conveyor system						
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	✓				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	✓				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	✓				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	✓				
Concrete batching plant						
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	✓				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	✓				
EM&A: A2	Are all the receiving hoppers enclosed on three (3) sides up to 3m above unloading point?	✓				
EM&A: A2	Are all the conveyor transfer points totally enclosed?	✓				

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	✓				
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 scheduled to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1	Are construction works or equipment sited to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1	Are all plant and equipment maintained in good operating conditions?		<input checked="" type="checkbox"/>			
EM&A: C1/GP	Is idle equipment turned off or throttled down?		<input checked="" type="checkbox"/>			
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?		<input checked="" type="checkbox"/>			
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?		<input checked="" type="checkbox"/>			
EM&A: C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?	<input checked="" type="checkbox"/>				
NCO	Are valid construction noise permits, if required, available for inspection?		<input checked="" type="checkbox"/>			
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		<input checked="" type="checkbox"/>			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		<input checked="" type="checkbox"/>			
	Major noise source(s)	Traffic	<input checked="" type="checkbox"/> Construction activities inside the site			
		Construction activities outside the site	Others _____			

Abbreviation

VEP:	Varied Environmental Permit	DNRP:	Dredging & Reclamation Plan
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	Unk:	Unknown

Remark


NIL

Signatures

ET Member

Contractor's Representative


(Name in Block letters:
STANLEY CHAN)


(Name in Block letters:
CHUNG)

12th June 2001

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

Inspection date 6/5/02 Time 3:30 pm Inspected By ET: Stanley Chen
 Contractor: O. M. Chung
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AIR QUALITY

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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?		<input checked="" type="checkbox"/>			
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?	<input checked="" type="checkbox"/>				
Construction Sites						
EM&A: A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		<input checked="" type="checkbox"/>			
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?	<input checked="" type="checkbox"/>				

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EM&A: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		✓			
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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?	✓				
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Cap311O	Is open burning prohibited?		✓			
Cap311	Is black smoke emission from plant/equipment avoided?		✓			

WASTE/CHEMICAL WASTE MANAGEMENT

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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?	✓				
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WATER QUALITY

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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?		✓			
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EM&A: B7	Is the water within and adjacent to the dredging site and along the route to the disposal site clear of visible foam, oil, grease or litter or other objectionable matter?		✓			
Routing of construction related marine vessels						
DNRP 3	Do the marine vessels moving to and from the construction site strictly follow the routes stated in the "Plan for Dredging & Reclamation, Routing of Construction Related Marine Vessels, and Installation of Silt Curtain"?		✓			

MARINE ECOLOGY

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	Major noise source(s)	Traffic		Construction activities inside the site		
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Cap311:	Air Pollution Control Ordinance	Unk:	Unknown

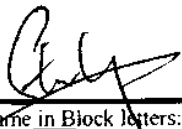
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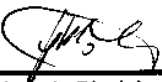
NIL

Signatures

ET Member

Contractor's Representative


(Name in Block letters:
STANLEY CHAN)


(Name in Block letters:
CHUNG OI MO)

12th June 2001

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

Inspection date 15/5/02 Time 16:00 Inspected By ET: Stanley Chan
 Contractor: W.K. Hui
 Site LHX - Site Formation

Weather

Condition ☒ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
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Construction Sites						
EM&A : A1	Are haul roads paved with concrete or sprayed with water to keep the entire road wet?		<input checked="" type="checkbox"/>			
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?	<input checked="" type="checkbox"/>				

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: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		✓			
Use of vehicles						
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	✓				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	✓				
Transfer of dusty materials using a belt conveyor system						
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	✓				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	✓				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	✓				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	✓				
Concrete batching plant						
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	✓				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	✓				
EM&A: A2	Are all the receiving hoppers enclosed on three (3) sides up to 3m above unloading point?	✓				
EM&A: A2	Are all the conveyor transfer points totally enclosed?	✓				

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	✓				
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 scheduled to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1	Are construction works or equipment sited to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1	Are all plant and equipment maintained in good operating conditions?		<input checked="" type="checkbox"/>			
EM&A: C1/GP	Is idle equipment turned off or throttled down?		<input checked="" type="checkbox"/>			
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?		<input checked="" type="checkbox"/>			
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?		<input checked="" type="checkbox"/>			
EM&A: C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?	<input checked="" type="checkbox"/>				
NCO	Are valid construction noise permits, if required, available for inspection?		<input checked="" type="checkbox"/>			
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		<input checked="" type="checkbox"/>			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		<input checked="" type="checkbox"/>			
	Major noise source(s)	Traffic	<input checked="" type="checkbox"/> Construction activities inside the site			
		Construction activities outside the site	Others _____			

Abbreviation

VEP: Varied Environmental Permit
WMP: Waste Management Plan
Cap311R: APC (Construction Dust) Regulation
Cap311O: APC (Open Burning) Regulation
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

Signatures

ET Member

Contractor's Representative


(Name in Block letters:

Stanley Chan

HUI WAI KWONG
(Name in Block letters:

Hui Wai Kwong

12th June 2001

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

Inspection date 22/5/02 Time 17:00 Inspected By ET: THOMAS LI
 Site LUX - SITE FORMATION Contractor [Signature]

Weather

Condition ☐ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☒ Rain ☐ Storm
 Temperature 30 °C Humidity ☒ High ☐ Moderate ☐ Low
 Wind ☐ Calm ☒ Light ☐ Breeze ☐ Strong

GENERAL

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

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
General Requirements						
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		/			
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
Construction Sites						
EM&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: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		/			
Use of vehicles						
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	/				
Transfer of dusty materials using a belt conveyor system						
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
Concrete batching plant						
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/				
EM&A: A2	Are all the receiving hoppers enclosed on three (3) sides up to 3m above unloading point?	/				
EM&A: A2	Are all the conveyor transfer points totally enclosed?	/				

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	/				
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 scheduled to minimize noise nuisance?		/			
EM&A: C1	Are construction works or equipment sited to minimize noise nuisance?		/			
EM&A: C1	Are all plant and equipment maintained in good operating conditions?		/			
EM&A: C1/GP	Is idle equipment turned off or throttled down?		/			
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?		/			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?		/			
EM&A: C2	To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods?		/			
EM&A: C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?	/				
NCO	Are valid construction noise permits, if required, available for inspection?		/			
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		/			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		/			
	Major noise source(s)	Traffic	/ Construction activities inside the site			
		Construction activities outside the site	Others _____			

Abbreviation

VEP:	Varied Environmental Permit	DNRP:	Dredging & Reclamation Plan
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	Unk:	Unknown

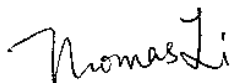
Remark

NIL

Signatures

ET Member

Contractor's Representative



(Name in Block letters:

THOMAS LI



(Name in Block letters:

Yang Wing Nin

12th June 2001

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

Inspection date 21/10/07 Time 10:00 Inspected By ET: Stanley Chan
 Contractor: W.K. Yip
 Site LHX - Site Formation

Weather

Condition ☒ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature 33 °C Humidity ☐ High ☒ Moderate ☐ Low
 Wind ☐ Calm ☒ Light ☐ Breeze ☐ Strong

GENERAL

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		<input checked="" type="checkbox"/>			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		<input checked="" type="checkbox"/>			

AIR QUALITY

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

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: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?		✓			
Use of vehicles						
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	✓				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	✓				
Transfer of dusty materials using a belt conveyor system						
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	✓				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	✓				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	✓				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	✓				
Concrete batching plant						
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	✓				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	✓				
EM&A: A2	Are all the receiving hoppers enclosed on three (3) sides up to 3m above unloading point?	✓				
EM&A: A2	Are all the conveyor transfer points totally enclosed?	✓				

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

WASTE/CHEMICAL WASTE MANAGEMENT

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
	Dredged Materials					
WMP: 5.1/ EM&A: E3	Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection?	✓				
WMP:5.1.5/ EM&A: E3	Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection?	✓				
WMP:5.1.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?	✓				
WMP:5.1.3 /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: 5.1.3	Are overfilling of barges and hoppers prevented?	✓				
EM&A: E3	Are wastes disposed of at licensed sites?	✓				
	Construction Waste and Excavated Materials					
WMP:5.3/ EM&A: E3	Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection?	✓				
WMP:5.3.3 & 5.4.2	Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection?	✓				
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	✓				
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?	✓				
WMP 5.4.1	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	✓				
EM&A: E3	Are wastes disposed of at licensed sites?	✓				
	General refuse					
WMP 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?	✓				
WMP 5.5.2	Is general refuse stored within receptacles and separated from chemical wastes?	✓				

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

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	✓				
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	Unc	Remarks
EM&A : C1	Are working programmes scheduled to minimize noise nuisance?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
EM&A : C1	Are construction works or equipment sited to minimize noise nuisance?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
EM&A : C1	Are all plant and equipment maintained in good operating conditions?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
EM&A : C1/GP	Is idle equipment turned off or throttled down?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
EM&A : C1	Are methods of working devised and arranged to minimize noise nuisance?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
EM&A : C1)	Are construction works carried out in a manner to minimize noise nuisance?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
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?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
EM&A : C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NCO	Are valid construction noise permits, if required, available for inspection?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Major noise source(s)	Traffic	<input checked="" type="checkbox"/> Construction activities inside the site				
		Construction activities outside the site	Others _____				

Abbreviation

VEP: Varied Environmental Permit
WMP: Waste Management Plan
Cap311R: APC (Construction Dust) Regulation
Cap311D: APC (Open Burning) Regulation
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

Signatures

ET Member

Contractor's Representative


(Name in Block letters:
STANLEY CHAN)


(Name in Block letters:
HUI WAI KWONG)

12th June 2001

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

Inspection date 2/5/07 Time 15:30 Inspected By ET: Thomas Li
 Site LMX-UNIT L9 PILING
 Contractor:

Weather

Condition ☒ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature ☐ °C Humidity ☐ High ☐ Moderate ☒ Low
 Wind ☒ Calm ☐ Light ☐ Breeze ☐ Strong

GENERAL

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		<input checked="" type="checkbox"/>			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		<input checked="" type="checkbox"/>			

AIR QUALITY

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

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	/				
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 scheduled to minimize noise nuisance?		/			
EM&A: C1	Are construction works or equipment sited to minimize noise nuisance?		/			
EM&A: C1	Are all plant and equipment maintained in good operating conditions?		/			
EM&A: C1/GP	Is idle equipment turned off or throttled down?		/			
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?		/			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?		/			
EM&A: C2	To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods?		/			
EM&A: C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?	/				
NCO	Are valid construction noise permits, if required, available for inspection?		/			
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		/			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	/				
	Major noise source(s)	<input type="checkbox"/> Traffic		<input checked="" type="checkbox"/> Construction activities inside the site		
		<input type="checkbox"/> Construction activities outside the site		<input type="checkbox"/> Others _____		

Abbreviation

VEP:	Varied Environmental Permit	DNRP:	Dredging & Reclamation Plan
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	Unk:	Unknown

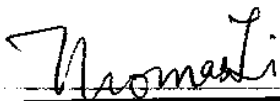
Remark

Nil

Signatures

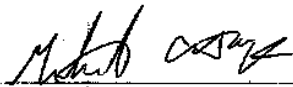
ET Member

Contractor's Representative



(Name in Block letters:

LI MING FAI



(Name in Block letters:

MICHAEL CHEUK

Inspection date 8/6/02 Time 1715 Inspected By ET: THOMAS LI
Site LMX - UNIT 19 PILING Contractor MICHAEL CHEUK

Condition ☒ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

Temperature °C Humidity ☐ High ☐ Moderate ☐ Low

Wind ☒ Calm ☐ Light ☐ Breeze ☐ Strong

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
General Requirements						
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		/			
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
Construction Sites						
EM&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: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/				
Use of vehicles						
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	/				
Transfer of dusty materials using a belt conveyor system						
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
Concrete batching plant						
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/				
EM&A: A2	Are all the receiving hoppers enclosed on three (3) sides up to 3m above unloading point?	/				
EM&A: A2	Are all the conveyor transfer points totally enclosed?	/				

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?	/				
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 scheduled to minimize noise nuisance?		/			
EM&A: C1	Are construction works or equipment sited to minimize noise nuisance?		/			
EM&A: C1	Are all plant and equipment maintained in good operating conditions?		/			
EM&A: C1/GP	Is idle equipment turned off or throttled down?		/			
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?		/			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?		/			
EM&A: C2	To mitigate construction noise during Sunday's and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods?		/			
EM&A: C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?	/				
NCO	Are valid construction noise permits, if required, available for inspection?		/			
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		/			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	/				
	Major noise source(s)	<input type="checkbox"/> Traffic	<input checked="" type="checkbox"/> Construction activities inside the site			
		<input type="checkbox"/> Construction activities outside the site	<input type="checkbox"/> Others _____			

VEP: Varied Environmental Permit
WMP: Waste Management Plan
Cap311R: APC (Construction Dust) Regulation
Cap311O: APC (Open Burning) Regulation
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

Nil

ET Member

Contractor's Representative

Thomas Li

(Name in Block letters:

THOMAS LL

Math Case

(Name in Block letters:

MICHAEL CHEN

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

Inspection date 15/5/02 Time 15:00 Inspected By ET: Thomas Li
 Contractor: Michael Chiu
 Site LMX-UNIT L9 PILING

Weather

Condition ☐ Sunny ☒ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature 28 °C Humidity ☐ High ☒ Moderate ☐ Low
 Wind ☒ Calm ☐ Light ☐ Breeze ☐ Strong

GENERAL

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

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
General Requirements						
Cap311R: 3	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice, do the contractors notify EPD of the change?		/			
Cap311R: Sch 12(3)	A compressed air jet shall not be used for cleaning or clearing dust from any vehicle, equipment, other materials or person. Is this observed?		/			
Cap311	Do the contractors possess valid Air Pollution Control Specified Processes Licenses for the concrete batching plant wherever applicable and have it available for inspection?	/				
Construction Sites						
EM&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: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/				
Use of vehicles						
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	/				
Transfer of dusty materials using a belt conveyor system						
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
Concrete batching plant						
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/				
EM&A: A2	Are all the receiving hoppers enclosed on three (3) sides up to 3m above unloading point?	/				
EM&A: A2	Are all the conveyor transfer points totally enclosed?	/				

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

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

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

MARINE ECOLOGY

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

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CALL FOR AID TO THE UNITED STATES

Abbreviation

VEP:	Varied Environmental Permit	DNRP:	Dredging & Reclamation Plan
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	Unk:	Unknown

Remark

Ntl

Signatures

ET Member

Contractor's Representative



(Name in Block letters:

THOMAS LI)



(Name in Block letters:

MICHAEL CHEUK)

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

Inspection date 22/5/02 Time 1700 Inspected By ET: Thomas Li
 Contractor: Michael Cheuk
 Site LNX-UNIT L9 PILING

Weather

Condition ☐ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☒ Rain ☐ Storm
 Temperature 30 °C Humidity ☒ High ☐ Moderate ☐ Low
 Wind ☐ Calm ☒ Light ☐ Breeze ☐ Strong

GENERAL

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		<input checked="" type="checkbox"/>			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		<input checked="" type="checkbox"/>			

AIR QUALITY

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

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: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/				
Use of vehicles						
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	/				
Transfer of dusty materials using a belt conveyor system						
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
Concrete batching plant						
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/				
EM&A: A2	Are all the receiving hoppers enclosed on three (3) sides up to 3m above unloading point?	/				
EM&A: A2	Are all the conveyor transfer points totally enclosed?	/				

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

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

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?		/			
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 scheduled to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1	Are construction works or equipment sited to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1	Are all plant and equipment maintained in good operating conditions?		<input checked="" type="checkbox"/>			
EM&A: C1/GP	Is idle equipment turned off or throttled down?		<input checked="" type="checkbox"/>			
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?		<input checked="" type="checkbox"/>			
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?		<input checked="" type="checkbox"/>			
EM&A: C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?	<input checked="" type="checkbox"/>				
NCO	Are valid construction noise permits, if required, available for inspection?		<input checked="" type="checkbox"/>			
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		<input checked="" type="checkbox"/>			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		<input checked="" type="checkbox"/>			
	Major noise source(s)	Traffic	<input checked="" type="checkbox"/> Construction activities inside the site			
		Construction activities outside the site	Others _____			

Abbreviation

VEP:	Varied Environmental Permit	DNRP:	Dredging & Reclamation Plan
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	Unk:	Unknown

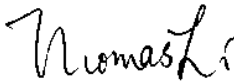
Remark

Nil

Signatures

ET Member

Contractor's Representative



(Name in Block letters:

THOMAS LI



(Name in Block letters:

MICHAEL CHEUK

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

Inspection date 29/5/02 Time 1800 Inspected By ET: Thomas Li
 Site LMX - UNIT 19 PILING Contractor Michael Chen

Weather

Condition ☒ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature 33 °C Humidity ☐ High ☒ Moderate ☐ Low
 Wind ☐ Calm ☒ Light ☐ Breeze ☐ Strong

GENERAL

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
VEP 1.5	Has a copy of the most update Environmental Permit been displayed at all vehicular site entrances/exits for public information?		<input checked="" type="checkbox"/>			
VEP 1.6	Is a copy of EIA report kept in Engineers' and Contractors' offices on site?		<input checked="" type="checkbox"/>			

AIR QUALITY

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

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: A1	Are the dropping heights of the fill materials controlled to a practical level to minimize fugitive dust emission?	/				
Use of vehicles						
Cap311R: Sch 21(2) EM&A: A1	Is every load of dusty material on the vehicles leaving the construction site covered entirely by clean impervious sheeting?	/				
Cap311R: Sch 21(1)	Is every vehicle wheel-washed by the wheel washing facilities to remove any dusty materials from its body and wheels before leaving the construction site?	/				
Transfer of dusty materials using a belt conveyor system						
Cap311R: Sch 20(1)	Are belt conveyors used for transfer of dusty materials covered on the top and 2 sides?	/				
Cap311R: Sch 20(2)	Is every transfer point between any two-belt conveyors totally enclosed?	/				
Cap311R: Sch 20(3)	Is a belt scraper or equivalent device installed at the head pulley of every conveyor? Is the belt scraper equipped with bottom plates or similar means to prevent falling of materials from the return belts?	/				
Cap311R: Sch 20(4)	Are stockpiling conveyors equipped with level adjusting mechanism to maintain the dropping height within 1 m?	/				
Concrete batching plant						
EM&A: A2	Are the loading, unloading, handling, transfer or storage of any dusty materials carried out in a totally enclosed system?	/				
EM&A: A2	Are dusty materials, except cement and dry PFA, wetted by water spray system?	/				
EM&A: A2	Are all the receiving hoppers enclosed on three (3) sides up to 3m above unloading point?	/				
EM&A: 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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cap311O	Is open burning prohibited?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cap311	Is black smoke emission from plant/equipment avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WMP:5.2.3/ EM&A: E2	Are the bottom openings of marine vessels fitted with tight fitting seals to prevent leakage?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WMP: 5.2.3	Are overfilling of barges and hoppers prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EM&A: E3	Are wastes disposed of at licensed sites?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WMP 5.3.1 5.4.1	Is suitable concrete waste/excavated material used for on-site reclamation/filling works?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WMP5.3.1	Are the used formworks reused as far as possible before being disposed of in a landfill site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WMP 5.4.1	Are the remaining unsuitable excavated materials disposed of at the public filling areas?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EM&A: E3	Are wastes disposed of at licensed sites?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
General refuse						
WMP 5.5.4	Has the Contractor maintained a disposal record for general refuse and made it available for inspection?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WMP 5.5.2	Is general refuse stored within receptacles and separated from chemical wastes?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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

WATER QUALITY

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

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

MARINE ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: G1	Are all percussive piling works conducted on reclaimed land to avoid noise impact to marine mammals?		✓			
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 scheduled to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1	Are construction works or equipment sited to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1	Are all plant and equipment maintained in good operating conditions?		<input checked="" type="checkbox"/>			
EM&A: C1/GP	Is idle equipment turned off or throttled down?		<input checked="" type="checkbox"/>			
EM&A: C1	Are methods of working devised and arranged to minimize noise nuisance?		<input checked="" type="checkbox"/>			
EM&A: C1)	Are construction works carried out in a manner to minimize noise nuisance?		<input checked="" type="checkbox"/>			
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?		<input checked="" type="checkbox"/>			
EM&A: C3	To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers?	<input checked="" type="checkbox"/>				
NCO	Are valid construction noise permits, if required, available for inspection?		<input checked="" type="checkbox"/>			
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?		<input checked="" type="checkbox"/>			
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?		<input checked="" type="checkbox"/>			
	Major noise source(s)	Traffic	<input checked="" type="checkbox"/> Construction activities inside the site			
		Construction activities outside the site	Others _____			

Abbreviation

VEP:	Varied Environmental Permit	DNRP:	Dredging & Reclamation Plan
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	Unk:	Unknown

Remark

Nil

Signatures

ET Member

Contractor's Representative



(Name in Block letters:)

Thomas Li



(Name in Block letters:)

MICHAEL CHEUNG

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

Inspection date 2/5/2002 Time 2:30 pm Inspected by ET: Andrew Ng
 Contractor: Michael Chui

Site Transmission Route – Hoarding

Weather

Condition ☒ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature 30 °C Humidity ☐ High ☒ Moderate ☐ Low
 Wind ☐ Calm ☒ Light ☐ Breeze ☐ Strong

GENERAL

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

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
General Requirements						
Cap311R:	Has the contractors notified EPD of the construction site which is classified as a notifiable work in a specified form? If there is any change in the notice? If yes, did the contractors notify EPD of the change?	<input checked="" type="checkbox"/>				
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?	<input checked="" type="checkbox"/>				
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?		<input checked="" type="checkbox"/>			
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?	<input checked="" type="checkbox"/>				
Miscellaneous						
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	<input checked="" type="checkbox"/>				

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

MARINE ECOLOGY

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?	✓				

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?	✓				
NCO	Are valid construction noise permits, if required, available for inspection?	✓				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	✓				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	✓				

TERRESTRIAL ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks							
EM&A: Q1	Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species <i>Celtis blanda</i> , <i>Pteris dispar</i> and <i>Ardicia pusilla</i> , and the restricted plants <i>Vitis balansaeana</i> , <i>Pterospermum heterophyllum</i> and <i>Rhapis excelsa</i> ?		✓										
EM&A: Q2	Are fences erected in accordance with the Hoarding Plan and kept in good condition along the boundary of construction sites to prevent tipping, vehicle movements, and encroachment of personnel into adjacent wooded areas, particularly where the rare, uncommon and restricted plant species are located?		✓										
EM&A: Q3	Has regular checking been performed to ensure that the work site boundaries are not exceeded and that no damage occurs to surrounding areas?		✓										
EM&A: Q4	Is open fire prohibited and prevented within the work site boundary during construction? Is temporary fire fighting equipment provided in the work area during construction?		✓										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="2" style="width: 30%; vertical-align: top;">Major noise source(s)</td> <td style="width: 30%; vertical-align: top;"> <input type="checkbox"/> Traffic </td> <td style="width: 30%; vertical-align: top;"> <input type="checkbox"/> Construction activities inside the site </td> <td style="width: 10%;"></td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> Construction activities outside the site </td> <td style="vertical-align: top;"> <input checked="" type="checkbox"/> Others <i>Background noise only</i> </td> <td></td> </tr> </table>							Major noise source(s)	<input type="checkbox"/> Traffic	<input type="checkbox"/> Construction activities inside the site		<input type="checkbox"/> Construction activities outside the site	<input checked="" type="checkbox"/> Others <i>Background noise only</i>	
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Abbreviation

VEP: Varied Environmental Permit
Cap311R: APC (Construction Dust) Regulation
Cap311O: APC (Open Burning) Regulation
Cap311: Air Pollution Control Ordinance
Cap466: Dumping at Sea Ordinance

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

Remark


NIL

Signatures

BT Member

Contractor's Representative


(Name in Block letters:
ANDREW NG)


(Name in Block letters:
MICHAEL CHUI)

20th December 2001

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

Inspection date 10/6/02 Time 2:30 pm Inspected by ET:
 Contractor: Michael Chui
 Site Transmission Route – Hoarding

Weather

Condition ☒ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature 30°C Humidity ☐ High ☒ Moderate ☐ Low
 Wind ☐ Calm ☒ Light ☐ Breeze ☐ Strong

GENERAL

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

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
General Requirements						
Cap311R: Sch 12(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? If yes, did the contractors notify EPD of the change?	<input checked="" type="checkbox"/>				
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?	<input checked="" type="checkbox"/>				
Stockpiling of dusty materials						
Cap311R: Sch 18 EM&A:J3	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?		<input checked="" type="checkbox"/>			
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?	<input checked="" type="checkbox"/>				
Miscellaneous						
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	<input checked="" type="checkbox"/>				

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

MARINE ECOLOGY

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?	✓				

NOISE

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

TERRESTRIAL ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species <i>Celtis blanda</i> , <i>Pteris dispar</i> and <i>Ardisia pusilla</i> , and the restricted plants <i>Vitis balansaeana</i> , <i>Pterospermum heterophyllum</i> and <i>Rhapis excelsa</i> ?		✓			
EM&A: O2	Are fences erected in accordance with the Hoarding Plan and kept in good condition along the boundary of construction sites to prevent tipping, vehicle movements, and encroachment of personnel into adjacent wooded areas, particularly where the rare, uncommon and restricted plant species are located?		✓			
EM&A: Q3	Has regular checking been performed to ensure that the work site boundaries are not exceeded and that no damage occurs to surrounding areas?		✓			
EM&A: Q4	Is open fire prohibited and prevented within the work site boundary during construction? Is temporary fire fighting equipment provided in the work area during construction?		✓			
	Major noise source(s)	<input type="checkbox"/> Traffic <input type="checkbox"/> Construction activities outside the site	<input type="checkbox"/> Construction activities inside the site <input checked="" type="checkbox"/> Others <i>Background noise only</i>			

Abbreviation

VEP: Varied Environmental Permit
Cap311R: APC (Construction Dust) Regulation
Cap311O: APC (Open Burning) Regulation
Cap311: Air Pollution Control Ordinance
Cap466: Dumping at Sea Ordinance

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

Remark

NIL

Signatures

BT Member

Contractor's Representative

(Name in Block letters)

(Name in Block letters)

MICHAEL CHUN

20th December 2001

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

Inspection date 17/5/02 Time 2:30pm Inspected by ET: Andrew Ng
 Contractor: Michael Chui
 Site Transmission Route – Hoarding

Weather

Condition ☐ Sunny ☐ Fine ☒ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature 29 °C Humidity ☐ High ☐ Moderate ☐ Low
 Wind ☐ Calm ☒ Light ☐ Breeze ☐ Strong

GENERAL

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

AIR QUALITY

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

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

WASTE/CHEMICAL WASTE MANAGEMENT

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

MARINE ECOLOGY

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?	✓				

NOISE

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

TERRESTRIAL ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species <i>Celtis biondii</i> , <i>Pteris dispar</i> and <i>Ardicia pusilla</i> , and the restricted plants <i>Vitis balansanana</i> , <i>Pterospermum heterophyllum</i> and <i>Rhapis excelsa</i> ?		✓			
EM&A: O2	Are fences erected in accordance with the Hoarding Plan and kept in good condition along the boundary of construction sites to prevent tipping, vehicle movements, and encroachment of personnel into adjacent wooded areas, particularly where the rare, uncommon and restricted plant species are located?		✓			
EM&A: Q3	Has regular checking been performed to ensure that the work site boundaries are not exceeded and that no damage occurs to surrounding areas?		✓			
EM&A: Q4	Is open fire prohibited and prevented within the work site boundary during construction? Is temporary fire fighting equipment provided in the work area during construction?		✓			
	Major noise source(s)	<input type="checkbox"/> Traffic		<input type="checkbox"/> Construction activities inside the site		
		<input type="checkbox"/> Construction activities outside the site		<input checked="" type="checkbox"/> Others <i>Background noise</i>		

Abbreviation

VEP: Varied Environmental Permit
Cap311R: APC (Construction Dust) Regulation
Cap311O: APC (Open Burning) Regulation
Cap311: Air Pollution Control Ordinance
Cap466: Dumping at Sea Ordinance

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


Remark


NIL

Signatures

ET Member

Contractor's Representative


(Name in Block letters:
ANDREW NG)


(Name in Block letters:
Michael Chen)

20th December 2001

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

Inspection date 75/5/02 Time 11:50 AM Endorsed by E.T.: ANDREW NG
 Inspected by BT:
 Contractor: STANLEY LEUNG
 Site TRANSMISSION ROUTE - HONGKONG

Weather

Condition ☐ Sunny ☒ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature 28 °C Humidity ☐ High ☒ Moderate ☐ Low
 Wind ☐ Calm ☒ Light ☐ Breeze ☐ Strong

GENERAL

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

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
General Requirements						
Cap311R: Sch 18	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?	<input checked="" type="checkbox"/>				
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?	<input checked="" type="checkbox"/>				
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?	<input checked="" type="checkbox"/>				
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?	<input checked="" type="checkbox"/>				
Miscellaneous						
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	<input checked="" type="checkbox"/>				

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

MARINE ECOLOGY

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?	✓				

NOISE

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

TERRESTRIAL ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species <i>Celtis biondii</i> , <i>Pteris dispar</i> and <i>Ardicia pusilla</i> , and the restricted plants <i>Vitis balansaeana</i> , <i>Pterospermum heterophyllum</i> and <i>Rhapis excelsa</i> ?		✓			
EM&A: O2	Are fences erected in accordance with the Hoarding Plan and kept in good condition along the boundary of construction sites to prevent tipping, vehicle movements, and encroachment of personnel into adjacent wooded areas, particularly where the rare, uncommon and restricted plant species are located?		✓			
EM&A: Q3	Has regular checking been performed to ensure that the work site boundaries are not exceeded and that no damage occurs to surrounding areas?		✓			
EM&A: Q4	Is open fire prohibited and prevented within the work site boundary during construction? Is temporary fire fighting equipment provided in the work area during construction?		✓			
	Major noise source(s)	Traffic	Construction activities inside the site			
		Construction activities outside the site	✓ Others <u>BACKGROUND ONLY</u>			

Abbreviation

VEP: Varied Environmental Permit
Cap311R: APC (Construction Dust) Regulation
Cap311O: APC (Open Burning) Regulation
Cap311: Air Pollution Control Ordinance
Cap466: Dumping at Sea Ordinance

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

Remark

NU

Signatures

ET Member

Contractor's Representative

(Name in Block letters:

ANDREW NG

(Name in Block letters:

STANLEY LEUNG

20th December 2001

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

Inspection date: 31/05/02 Time: 13:30 pm Endorsed by ET: ANDREW NG
 Inspected by ET:
 Contractor: STANLEY LEUNG
 Site: TRANSMISSION ROUTE - TOWER 1146

Weather

Condition: ☐ Sunny ☒ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm
 Temperature: 30 °C Humidity: ☐ High ☒ Moderate ☐ Low
 Wind: ☐ Calm ☐ Light ☐ Breeze ☒ Strong

GENERAL

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

AIR QUALITY

Ref.	Checklist Condition	N/A	Yes	No	Unk	Remarks
General Requirements						
Cap311R: Sch 12(1)	Has the contractor 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?	<input checked="" type="checkbox"/>				
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?	<input checked="" type="checkbox"/>				
Stockpiling of dusty materials						
Cap311R: Sch 18 RM&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?	<input checked="" type="checkbox"/>				
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?	<input checked="" type="checkbox"/>				
Miscellaneous						
Cap311R: Sch 16	Are completed earthworks sealed and hydroseeded and planted as soon as possible?	<input checked="" type="checkbox"/>				

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

MARINE ECOLOGY

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?	✓				

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?		<input checked="" type="checkbox"/>			
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?	<input checked="" type="checkbox"/>				
NCO	Are valid construction noise permits, if required, available for inspection?	<input checked="" type="checkbox"/>				
NCO	Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly?	<input checked="" type="checkbox"/>				
NCO	Are valid noise emission labels fixed at air compressors and hand held percussive breakers?	<input checked="" type="checkbox"/>				

TERRESTRIAL ECOLOGY

Ref	Checklist Condition	N/A	Yes	No	Unk	Remarks
EM&A: O1	Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species <i>Celtis biondii</i> , <i>Pteris dispar</i> and <i>Ardisia pusilla</i> , and the restricted plants <i>Vitis balansasana</i> , <i>Pterospermum heterophyllum</i> and <i>Rhapis excelsa</i> ?		<input checked="" type="checkbox"/>			
EM&A: O2	Are fences erected in accordance with the Hoarding Plan and kept in good condition along the boundary of construction sites to prevent tipping, vehicle movements, and encroachment of personnel into adjacent wooded areas, particularly where the rare, uncommon and restricted plant species are located?		<input checked="" type="checkbox"/>			
EM&A: Q3	Has regular checking been performed to ensure that the work site boundaries are not exceeded and that no damage occurs to surrounding areas?		<input checked="" type="checkbox"/>			
EM&A: Q4	Is open fire prohibited and prevented within the work site boundary during construction? Is temporary fire fighting equipment provided in the work area during construction?		<input checked="" type="checkbox"/>			
	Major noise source(s)	Traffic		Construction activities inside the site		
		Construction activities outside the site		Others _____		

Abbreviation

VEP:	Varied Environmental Permit	EM&A:	EM&A Manual (Construction Phase)
Cap311R:	APC (Construction Dust) Regulation	NCO:	Noise Control Ordinance
Cap311D:	APC (Open Burning) Regulation	Cap354:	Waste Disposal Ordinance
Cap311:	Air Pollution Control Ordinance	Cap354c:	WDO (Chemical Waste) (General) Regulation
Cap456:	Dumping at Sea Ordinance	Unk:	Unknown

Remark

NIL

Signatures

ET Member

Contractor's Representative



(Name in Block letters:

ANDREW NG)



(Name in Block letters:

STANLEY LEUNG)

20th December 2001