# Appendix H

# Site Audit Summary

(In order to save paper, the weekly inspection checklists are provided only in electronic format in the CD-ROM enclosed.)

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

Inspection date: 1/3/06 Time: 10:00 Inspected By: ET: Larry Wong, PPC; Contractor: Rongo, Paul Y.

Site: LMx – Superstructure

## Weather

**Condition** ☐ Sunny ☑ Fine ☐ Overcast ☐ Hazy ☑ Drizzle ☐ Rain ☐ Storm

**Temperature** 12 °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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | | ✓ | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | | ✓ | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

**Remark**

Nil

**Signatures**

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: Luk Wong) | (Name in Block letters: Wong Ho Hong) |

11th November 2002

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

Inspection date 8/3/06 Time 10:15 Inspected By ET: Larry Wong, PDC
Contractor: Ronga, Paul T.

Site LMX – Superstructure

## Weather

**Condition** ☐ Sunny ☐ Fine ☑ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 15 °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** | | | | | |
| [illegible]I&A : A1 | Are haul roads paved with concrete or sprayed with water to keep the entire road wet? | | ✓ | | | |
| | **Stockpiling of dusty materials** | | | | | |
| Cap311R: Sch [illegible] | 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 [illegible] 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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | | ✓ | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | | ✓ | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | General refuse | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | Chemical Waste | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

**Remark**

NM

**Signatures**

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: Lanny Wong) | (Name in Block letters: Ringo Wong) |

11th November 2002

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

Inspection date: 15/3/06 Time: 10:20 Inspected By: ET: Lenny Wong, PDC; Contractor: Ringo, Paul T.

Site: LMX – Superstructure

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? | | ✓ | | | |
| 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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | | ✓ | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | | ✓ | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | General refuse | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | Chemical Waste | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

**Remark**

NIL

**Signatures**

| ET Member | Contractor's Representative | **IEC's Representative** |
|---|---|---|
| | | **This site inspection was carried out in the presence of IEC's representative** |
| (Name in Block letters: Lawry Wong) | (Name in Block letters: Wong Ho Wang Ringo) | **Name in Block Letters:** ( Chan Tin Mo ) |

11th November 2002

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

Inspection date 22/3/06 Time 10:18 Inspected By ET: Lamy Wong, PDC
Contractor Ringo, Paul Y

Site 2MX – Superstructure

Weather

**Condition** ☐ Sunny ☐ Fine ☑ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 17 °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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | | ✓ | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | | ✓ | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | General refuse | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | Chemical Waste | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

**Remark**

Nil

**Signatures**

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: Lamy Wong) | (Name in Block letters: Ringo Wong) |

11th November 2002

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

Inspection date 29/3/06 Time 10:00 Inspected By ET: Lanny Wong, PDC
Contractor: Rango Wong, Paul Y

Site LMX-Superstructure

Weather

**Condition** ☐ Sunny ☑ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 22 °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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | | ✓ | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | | ✓ | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | General refuse | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | Chemical Waste | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

**Remark**

Nil

**Signatures**

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: Lamy Wong | (Name in Block letters: Ringo Lam) |

11th November 2002



EXCHANGE Em&A Checklist (Hi-Tech)

04/9012

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date: 2 Mar 2006 Time: 8:30 Inspected By: ET: W. Sin (HEC); Contractor: W.F. Kwok (TDK)

Site: LMX Plant Extension Area L9 - Mach

## Weather

**Condition** ☐ Sunny ☐ Fine ☑ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 16 °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? | | ✓ | | | Spray-1 By PY. |
| | **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? | | ✓ | | | Clarify Omitted By PY. |
| | **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 EM&A: E3** | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| **WMP EM&A: E3** | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| **WMP EM&A: E3** | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| **WMP** | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| **WMP** | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| **WMP** | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| **WMP** | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| **WMP** | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| **WMP** | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| **WMP** | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| **WMP** | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| **EM&A: E3** | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

ET Member

(Name in Block letters: W.S.C.)

Contractor's Representative

(Name in Block letters: W.T.Ho.)

**C/N: 04/9012**
**The Hongkong Electric Co. Ltd.**
**Lamma Power Station Extension – E&M Works**
**Weekly Site Inspection Checklist**

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 9 Mar 2006 | Time | 0930 | Inspected By | ET: W. Siu<br>Contractor: W.F.Kwok(TDK) |
| Site | LMX - Unit 9 Mech. Erection Area | | | | |

Weather

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☑ Sunny | ☐ Fine | ☐ Overcast | ☐ Hazy | ☐ Drizzle | ☐ Rain | ☐ Storm | | |
| **Temperature** | 21 °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? | | ✓ | | | Spraying By P.Y. |
| | **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? | | ✓ | | | Cleaning provided By P.Y. |
| | **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 EM&A: E3** | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| **WMP EM&A: E3** | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| **WMP EM&A: E3** | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| **WMP** | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| **WMP** | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| **WMP** | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| **WMP** | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| **WMP** | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| **WMP** | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| **WMP** | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| **WMP** | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| **EM&A: E3** | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

ET Member

(Name in Block letters:

W.S.(U )

Contractor's Representative

(Name in Block letters:

W. F. (Lub.)

04/9012

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date 15/3/2006 Time 10:30 Inspected By ET: YMChim
Contractor: CT Chin

Site Lamma Power Station Extension U9

## Weather

**Condition** ☑ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 18 °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? | | ✓ | | | Spray by PY |
| | **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? | | ✓ | | | Clean by PY |
| | **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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative | IEC's Representative<br>This site inspection was carried out in the presence of IEC's representative |
|---|---|---|
| (Name in Block letters: Y M Chim ) | (Name in Block letters: Chu Chu Tak ) | Name in Block Letters: ( Chu Tin Mo ) |

C/N : 04/9012

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 23 Mar 06 | Time | 09:30 | Inspected By | ET: W. Siu<br>Contractor: W. F. Kwok (TDC) |
| Site | LMX, Unit 9 - Mech. Erection Area | | | | |

## Weather

**Condition** ☐ Sunny ☑ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 22 °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? | | ✓ | | | Sprayed By P.Y. |
| | **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? | | ✓ | | | Cleaning Provided by P.Y. |
| | **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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: W.S.C.) | (Name in Block letters: W.T. Kwok) |

C/N: 04/9012

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 30 Mar 06 | Time | 09:30 | Inspected By | ET: W. Sin<br>Contractor: W.F. Kwok (TPK) |
| Site | LMX - L9 Mech. Erection Area | | | | |

## Weather

**Condition** ☐ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☑ Drizzle ☐ Rain ☐ Storm

**Temperature** 19 °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? | | ✓ | | | Spraying By P.Y. |
| | **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? | | ✓ | | | Cleaning Provided By P.T. |
| | **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 EM&A: E3** | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| **WMP EM&A: E3** | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| **WMP EM&A: E3** | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| **WMP** | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| **WMP** | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| **WMP** | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| **WMP** | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| **WMP** | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| **WMP** | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| **WMP** | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| **WMP** | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| **EM&A: E3** | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: W.S.C.) | (Name in Block letters: W.T. Kwok) |

CN- 04/908

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date: 1 MARCH 2006 Time: 09:35 hrs Inspected By: ET: T.F CHIU / PDE
Contractor: PETER CHENG / SHARP

Site: LMX-L9 ELECTRICAL ERECTION AREA

## Weather

**Condition** ☐ Sunny ☐ Fine ☐ Overcast ☑ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 10 °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? | | ✓ | | | WATER SPRAYING PROVIDED BY PAULY. |
| | **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? | | ✓ | | | WHEEL WASHING SERVICES PROVIDED BY TAN L Y. |
| | **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 EM&A: E3** | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| **WMP EM&A: E3** | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| **WMP EM&A: E3** | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| **WMP** | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| **WMP** | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| **WMP** | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| **WMP** | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| **WMP** | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| **WMP** | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| **WMP** | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| **WMP** | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| **EM&A: E3** | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

ET Member

(Name in Block letters:

T.T. CHIU )

PDE

Contractor's Representative

(Name in Block letters:

[illegible] )

SHNKD.

12th January 2005

CM-04/9013

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date: 8 MAR 2006 Time: 11:45 AM. Inspected By: ET: T.F. CHIU / PDE
Contractor: PETER CHENG / SANKO.

Site: LMX - L9 ELECTRICAL ERECTION AREA.

## Weather

**Condition** ☐ Sunny ☐ Fine ☑ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 21 °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? | | ✓ | | | WATER SPRAYING PROVIDED BY PAUL Y. |
| | **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? | | ✓ | | | WHEEL WASHING SERVICES PROVIDED BY PAUL Y |
| | **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 EM&A: E3** | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| **WMP EM&A: E3** | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| **WMP EM&A: E3** | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| **WMP** | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| **WMP** | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| **WMP** | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| **WMP** | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| **WMP** | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| **WMP** | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| **WMP** | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| **WMP** | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| **EM&A: E3** | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: | (Name in Block letters: |
| T.F. CHAN ) | PETER CHENG ) |
| PDE | SANKO |

12th January 2005

CN-04/9813.

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date: 15 MAR 2006 Time: 10:30 hrs Inspected By: ET: T.F. CHIU / PDE
Contractor: PETER CHENG / ANKO

Site: LMX -L9 ELECTRICAL ERECTION AREA.

## Weather

**Condition** ☐ Sunny ☐ Fine ☐ Overcast ☑ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 18 °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? | | ✓ | | | WATER SPRAYING PROVIDED BY PAUL Y. |
| | **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? | | ✓ | | | WHEEL WASHING SERVICES PROVIDED BY PAHK Y |
| | **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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative | **IEC's Representative** **This site inspection was carried out in the presence of IEC's representative** |
|---|---|---|
| (Name in Block letters: T. F. CHIU) PDE | (Name in Block letters: PETER CHENG) SANKO | **Name in Block Letters:** (Chan Tin Mo) |

12th January 2005

CN-04/5013

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date: 22-MAR-2006 Time: 09:20 hrs Inspected By: ET: T.F.CHIU / PDE
Contractor: PETER CHENG / SANKO.

Site: LMX - 19 ELECTRICAL ERECTION AREA.

## Weather

**Condition** ☐ Sunny ☐ Fine ☐ Overcast ☑ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 23 °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? | | ✓ | | | WATER SPRAYING PROVIDED BY PALLY. |
| | **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? | | ✓ | | | WHEEL WASHING SERVICES PROVIDED BY PAULY. |
| | **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 EM&A: E3** | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| **WMP EM&A: E3** | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| **WMP EM&A: E3** | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| **WMP** | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| **WMP** | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| **WMP** | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| **WMP** | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| **WMP** | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| **WMP** | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| **WMP** | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| **WMP** | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| **EM&A: E3** | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: T.F. CHIU) | (Name in Block letters: PETER CHENG) |
| PDE | Sanko |

12th January 2005

CN-04/5013

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date: 20 MAR 2006 Time: 15:00 hrs Inspected By: ET: T.F. CHIN / PDE
Contractor: PETER CHENG / SANKO.

Site: LMX-L9 ELECTRICAL ERECTION AREA.

## Weather

**Condition** ☐ Sunny ☐ Fine ☑ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 23 °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? | | ✓ | | | WATER SPRAYING PROVIDED BY PAUL Y. |
| | **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? | | ✓ | | | WHEEL WASHING SERVICES PROVIDED BY PAULY. |
| | **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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | ✓ | | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: T.F. CHIU PDE) | (Name in Block letters: PETER CHENG SANKO.) |

12th January 2005

C/N: 04/9018

**The Hongkong Electric Co. Ltd.**
**Lamma Power Station Extension – E&M Works**
**Weekly Site Inspection Checklist**

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 3 Mar 06 | Time | 09:15 | Inspected By | ET: W.S. Yuen (AMEC)<br>Contractor: W.T.L.K. (MMMC) |
| Site | LMX - GRS Area | | | | |

Weather

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ Sunny | ☐ Fine | ☑ Overcast | ☐ Hazy | ☐ Drizzle | ☐ Rain | ☐ Storm | |
| **Temperature** | 18 °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? | | ✓ | | | Sprayed by PY |
| | **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? | | ✓ | | | Cleaning Provided By PY. |
| | **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 I 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 EM&A: E3** | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| **WMP EM&A: E3** | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| **WMP EM&A: E3** | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| **WMP** | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| **WMP** | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| **WMP** | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| **WMP** | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| **WMP** | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| **WMP** | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| **WMP** | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| **WMP** | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| **EM&A: E3** | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: W.S. YUEN) | (Name in Block letters: W. F. K. ) |

**C/N: 04/9018**
**The Hongkong Electric Co. Ltd.**
**Lamma Power Station Extension – E&M Works**
**Weekly Site Inspection Checklist**

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 10 Mar 2006 | Time | 0930 | Inspected By | ET: W. S. Yuen<br>Contractor: W.F.Kwok(TDK) |
| Site | LMX- Gas Receiving Station | | | | |

Weather

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☑ Sunny | ☐ Fine | ☐ Overcast | ☐ Hazy | ☐ Drizzle | ☐ Rain | ☐ Storm | | |
| **Temperature** | 22 °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? | | ✓ | | | By P.Y. |
| | **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? | | ✓ | | | Cleaning Provided By P.T. |
| | **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 EM&A: E3** | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| **WMP EM&A: E3** | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| **WMP EM&A: E3** | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| **WMP** | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| **WMP** | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| **WMP** | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| **WMP** | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| **WMP** | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| **WMP** | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| **WMP** | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| **WMP** | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| **EM&A: E3** | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: W. S. YUEN) | (Name in Block letters: W. T. WONG) |

04/9018

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date: 15/3/2006 Time: 10:30 Inspected By: ET: Yu Chun; Contractor: C T Chin

Site: Lamma Power Station Extension – GRS

## Weather

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

**Temperature** 18 °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? | | ✓ | | | Spray by PY |
| | **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? | | ✓ | | | Clean by PY |
| | **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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative | IEC's Representative<br>This site inspection was carried out in the presence of IEC's representative |
|---|---|---|
| (Name in Block letters: YMChim ) | (Name in Block letters: Chen Chen Tau ) | Name in Block Letters: ( Chan Tin Mo ) |

C/N : 04/9018

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date: 24 Mar 06 Time: 09:30 Inspected By: ET: W. S. Yuen; Contractor: W. F. Kwok (TDK)

Site: LMX - Gas Receiving Area

## Weather

**Condition** ☐ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☑ Drizzle ☐ Rain ☐ Storm

**Temperature** 18 °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? | | ✓ | | | Spraying By P.Y. |
| | **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? | | ✓ | | | Cleaning Provided by PY |
| | **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 EM&A: E3 | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| WMP EM&A: E3 | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| WMP EM&A: E3 | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| WMP | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| WMP | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| WMP | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| WMP | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| EM&A: E3 | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| WMP | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| WMP | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| WMP | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| WMP | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| EM&A: E3 | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: W. S. YUEN) | (Name in Block letters: W. F. Kwok) |

C/N: 04/9018

# The Hongkong Electric Co. Ltd.
# Lamma Power Station Extension – E&M Works
# Weekly Site Inspection Checklist

Inspection date: 31 Mar 06 Time: 09:30 Inspected By: ET: W.S. YUEN
Contractor: W.T. Kuk (Tmd)

Site: LMX - Gas Receiving Station

## Weather

**Condition** ☐ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☑ Drizzle ☐ Rain ☐ Storm

**Temperature** 22 °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? | | ✓ | | | Spraying By P.T. |
| | **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? | | ✓ | | | Cleary Provided By P.Y. |
| | **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 EM&A: E3** | Does the appropriate contractor possess valid dumping permits for dredged marine mud and have them available for inspection? | ✓ | | | | |
| **WMP EM&A: E3** | Has the contractor kept a complete set of dumping records/ticketing system and made them available for inspection? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **Construction Waste and Excavated Materials** | | | | | |
| **WMP EM&A: E3** | Does the Contractor possess a valid Public Dumping License for construction waste and excavated materials and make it available for inspection? | ✓ | | | | |
| **WMP** | Has the Contractor maintained disposal records for the construction waste and excavated materials, and made them available for inspection? | ✓ | | | | |
| **WMP** | Is suitable concrete waste/excavated material used for on-site reclamation/filling works? | ✓ | | | | |
| **WMP** | Are the used formworks reused as far as possible before being disposed of in a landfill site? | ✓ | | | | |
| **WMP** | Are the remaining unsuitable excavated materials disposed of at the public filling areas? | ✓ | | | | |
| **EM&A: E3** | Are wastes disposed of at licensed sites? | ✓ | | | | |
| | **General refuse** | | | | | |
| **WMP** | Has the Contractor maintained a disposal record for general refuse and made it available for inspection? | | ✓ | | | |
| **WMP** | Is general refuse stored within receptacles and separated from chemical wastes? | | ✓ | | | |
| **WMP** | Is the refuse disposed of regularly and properly? | | ✓ | | | |
| **WMP** | Are burning of refuse at site and dumping at sea prohibited? | | ✓ | | | |
| | **Chemical Waste** | | | | | |
| **EM&A: E3** | Has the contractor obtained the necessary disposal permits from the relevant authority, if required, according to Waste Disposal (Chemical Waste) (General Regulation)? | | ✓ | | | |

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

## WATER QUALITY

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

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

## 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?<br>a) Mitigation by portable noise barriers at noise sources or<br>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 | | |
| WMP: | Waste Management Plan | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: YUEN WAI-SANG) | (Name in Block letters: W.T. Chan) |

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 01/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

## Weather

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ | Sunny | ☑ | Fine | ☐ | Overcast | ☐ | Hazy | ☐ | Drizzle | ☐ | Rain | ☐ Storm |
| **Temperature** | 22 | °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1** | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla,* and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| **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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

Signatures

ET Member

(Name in Block letters:
Eric, K Y Dai
Assistant Resident Engineer

Contractor's Representative

Name in Block letters:
C.K. LAW
Engineer.

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 08/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

### Weather

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ Sunny | ☑ Fine | ☐ Overcast | ☐ Hazy | ☐ Drizzle | ☐ Rain | ☐ Storm | | | |
| **Temperature** | 20 °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1** | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| **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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

Signatures

ET Member

(Name in Block letters:
Eric, K Y Dai

Assistant Resident Engineer

Contractor's Representative

(Name in Block letters:
C K LAW

Engineer

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 15/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

## Weather

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ | Sunny | ☑ | Fine | ☐ | Overcast | ☐ | Hazy | ☐ | Drizzle | ☐ | Rain | ☐ | Storm |
| **Temperature** | 20 | °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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

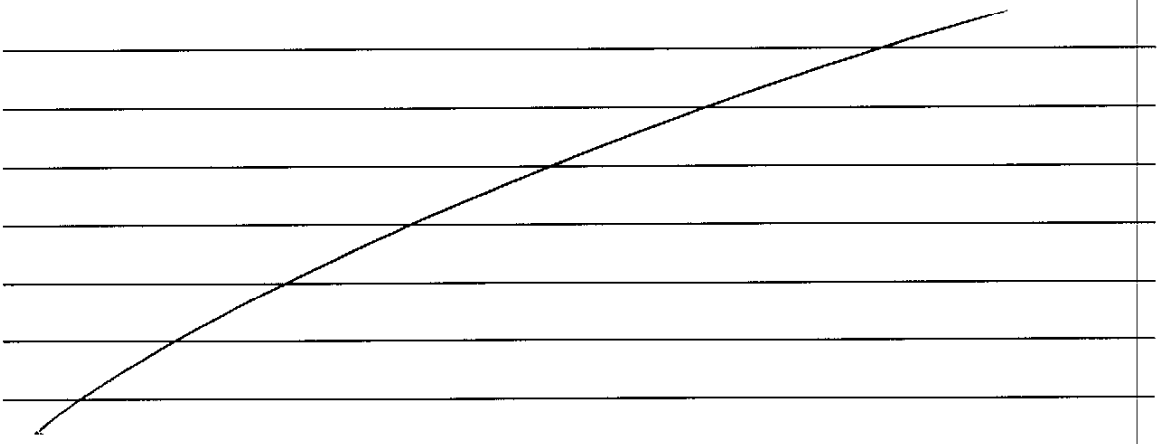
| Ref | Checklist Condition | N/A | Yes | No | Unk | Remarks |
|---|---|---|---|---|---|---|
| EM&A: O1 | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| 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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark



Signatures

ET Member

(Name in Block letters:

**Eric, K Y Dai**

**Assistant Resident Engineer**

Contractor's Representative

(Name in Block letters:

CK Lau

Engineer

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 22/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

## Weather

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ | Sunny | ☑ | Fine | ☐ | Overcast | ☐ | Hazy | ☐ | Drizzle | ☐ | Rain | ☐ | Storm |
| **Temperature** | 21 | °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1** | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| **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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: **Eric, K Y Dai**) | (Name in Block letters: CK LAW) |
| **Assistant Resident Engineer** | Engineer. |

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 29/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

## Weather

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ | Sunny | ☑ | Fine | ☐ | Overcast | ☐ | Hazy | ☐ | Drizzle | ☐ | Rain | ☐ Storm |
| **Temperature** | 21 | °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1** | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| **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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

Signatures

ET Member

(Name in Block letters:

**Eric, K Y Dai**

**Assistant Resident Engineer**

Contractor's Representative

(Name in Block letters:

C K LAW

Engineer.

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 01/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

## Weather

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ | Sunny | ☑ | Fine | ☐ | Overcast | ☐ | Hazy | ☐ | Drizzle | ☐ | Rain | ☐ Storm |
| **Temperature** | 22 | °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1** | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla,* and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| **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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

Signatures

ET Member

(Name in Block letters:
Eric, K Y Dai
Assistant Resident Engineer

Contractor's Representative

Name in Block letters:
C.K. LAW
Engineer.

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 08/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

### Weather

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ Sunny | ☑ Fine | ☐ Overcast | ☐ Hazy | ☐ Drizzle | ☐ Rain | ☐ Storm | | | |
| **Temperature** | 20 °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1** | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| **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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

Signatures

ET Member

(Name in Block letters:
Eric, K Y Dai

Assistant Resident Engineer

Contractor's Representative

(Name in Block letters:
C K LAW

Engineer

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 15/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

## Weather

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ | Sunny | ☑ | Fine | ☐ | Overcast | ☐ | Hazy | ☐ | Drizzle | ☐ | Rain | ☐ | Storm |
| **Temperature** | 20 | °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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

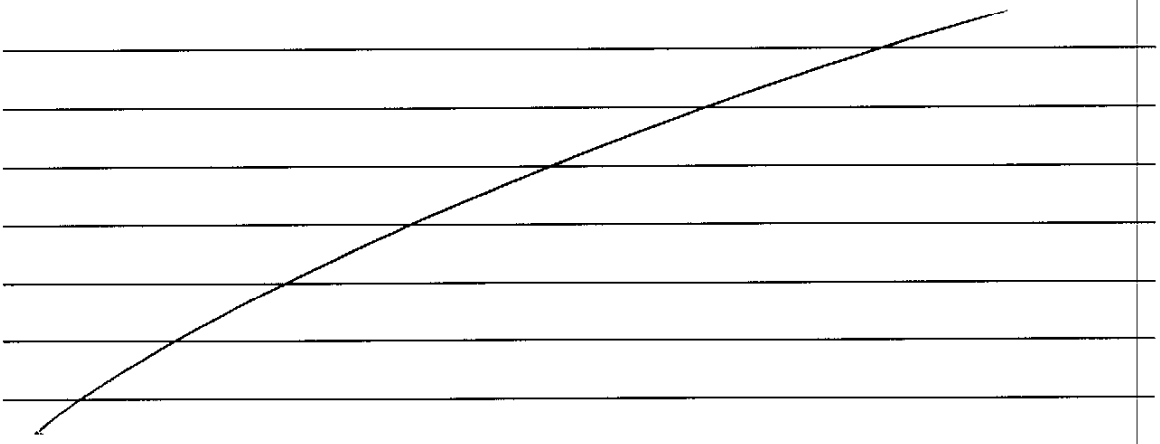
| Ref | Checklist Condition | N/A | Yes | No | Unk | Remarks |
|---|---|---|---|---|---|---|
| EM&A: O1 | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| 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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark



Signatures

ET Member

(Name in Block letters:

**Eric, K Y Dai**

**Assistant Resident Engineer**

Contractor's Representative

(Name in Block letters:

CK Lau

Engineer

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 22/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

## Weather

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ | Sunny | ☑ | Fine | ☐ | Overcast | ☐ | Hazy | ☐ | Drizzle | ☐ | Rain | ☐ | Storm |
| **Temperature** | 21 | °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1** | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| **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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: **Eric, K Y Dai**) | (Name in Block letters: CK LAW) |
| **Assistant Resident Engineer** | Engineer. |

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 29/03/06 | Time | 09:30 | Inspected by | ET: Eric Dai<br>Contractor: Kier |
| Site | Transmission Route (Civil Work) | | | | |

## Weather

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ | Sunny | ☑ | Fine | ☐ | Overcast | ☐ | Hazy | ☐ | Drizzle | ☐ | Rain | ☐ Storm |
| **Temperature** | 21 | °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1** | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | | ✓ | | | |
| **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:** |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

Signatures

ET Member

(Name in Block letters:

**Eric, K Y Dai**

**Assistant Resident Engineer**

Contractor's Representative

(Name in Block letters:

C K LAW

Engineer.

20th December 2001

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

| | | | | | |
|---|---|---|---|---|---|
| Inspection date | 2006/03/03 | Time | 11:30 | Inspected by | ET: D.YUNG (K.W.)<br>Contractor: JPS |
| Site | Outside Landing Point J1, N2 & N4 | | | | |

## Weather

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Condition** | ☐ | Sunny | ☑ | Fine | ☐ | Overcast | ☐ | Hazy | ☐ | Drizzle | ☐ | Rain | ☐ | Storm |
| **Temperature** | 18 | °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1 | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | ✓ | | | | |
| 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** _____ |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

N.A.

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: D. YUNG (KYW.) | (Name in Block letters: BZKRY YUEN) |

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

Inspection date: 10/3/06 Time: 11:30 Inspected by: ET: CK WONG
Contractor: J POWER SYSTEMS

Site: OUTSIDE IL, N2 & N4

## Weather

**Condition** ☐ Sunny ☑ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 21 °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1 | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | ✓ | | | | |
| 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** _____ |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

N/A

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: CC WONG) | (Name in Block letters: BERRY YUEN) |

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

Inspection date: 17/3/06 Time: 14:30 Inspected by: ET: KT LAI
Contractor: J-POWER SYSTEMS

Site: OUTSIDE LANDING POINT II, N2 & N4

## Weather

**Condition** ☐ Sunny ☑ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 24 °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1 | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | ✓ | | | | |
| 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 _____ |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

N/A

Signatures

ET Member

(Name in Block letters:

LAI KA YIN)

Contractor's Representative

(Name in Block letters:

BERRY YUEN)

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

Inspection date: 24/3/06 Time: 10:30 Inspected by: ET: K L LAU
Contractor: J-POWER SYSTEMS

Site: OUTSIDE LANDING POINT E1, N2 & N4

## Weather

**Condition** ☐ Sunny ☐ Fine ☐ Overcast ☐ Hazy ☐ Drizzle ☑ Rain ☐ Storm

**Temperature** 18 °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1 | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | ✓ | | | | |
| 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 _____ |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

N/A

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: LAU KA CHI) | (Name in Block letters: BERRY TSEN) |

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

Inspection date: 31/3/06 Time: 10:30 Inspected by: ET: K L CHAU
Contractor: J - POWER SYSTEMS

Site: OUTSIDE LANDING POINT 1, N2 & N4

Weather

**Condition** ☐ Sunny ☐ Fine ☐ Overcast ☑ Hazy ☐ Drizzle ☐ Rain ☐ Storm

**Temperature** 24 °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 |
|---|---|---|---|---|---|---|
| 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 sited? | ✓ | | | | |
| | **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: O1 | Are the construction activities at landing points N4 & N5 closely monitored to avoid impact on the uncommon and rare plant species *Celtis biondii, Pteris dispar* and *Ardicia pusilla*, and the restricted plants *Vitis balansaeana, Pterospermum heterophyllum* and *Rhapis excellsa*? | √ | | | | |
| 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** _____ |

**Abbreviation**

| | | | |
|---|---|---|---|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| Cap311R: | APC (Construction Dust) Regulation | NCO: | Noise Control Ordinance |
| Cap311O: | APC (Open Burning) Regulation | Cap354: | Waste Disposal Ordinance |
| Cap311: | Air Pollution Control Ordinance | Cap354c: | WDO (Chemical Waste) (General) Regulation |
| Cap466: | Dumping at Sea Ordinance | Unk: | Unknown |

Remark

N/A

Signatures

| ET Member | Contractor's Representative |
|---|---|
| (Name in Block letters: LAU KA LUN) | (Name in Block letters: BERRY YUEN) |