

Appendix H

Site Audit Summary

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

Inspection date 3/3/04 Time 15:00 Inspected By ET: C F Lee
Contractor: Dennis Lip
 Site LMX - Site Formation

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? | | / | | | |
| 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? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? | | / | | | |
| EM&A: C3 | To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers? | / | | | | |
| NCO | Are valid construction noise permits, if required, available for inspection? | | / | | | |
| NCO | Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? | | / | | | |
| NCO | Are valid noise emission labels fixed at air compressors and hand held percussive breakers? | | / | | | |
| | Major noise source(s) | <input type="checkbox"/> Traffic | | <input checked="" type="checkbox"/> Construction activities inside the site | | |
| | | <input type="checkbox"/> Construction activities outside the site | | <input type="checkbox"/> Others _____ | | |

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

Inspection date Time Inspected By ET:
 Contractor:
 Site

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? | | / | | | |
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| NCO | Are valid construction noise permits, if required, available for inspection? | | / | | | |
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| NCO | Are valid noise emission labels fixed at air compressors and hand held percussive breakers? | | / | | | |
| | Major noise source(s) | <input type="checkbox"/> Traffic | | <input checked="" type="checkbox"/> Construction activities inside the site | | |
| | | <input type="checkbox"/> Construction activities outside the site | | <input type="checkbox"/> Others _____ | | |

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Lamma Power Station Extension – Site Formation, Piling Works and
Superstructure Works
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Inspection date: 17/3/04 Time: 15:00 Inspected By: ET: Larry Wong
 Contractor: Phon's Bldg
 Site: LMX - site formation

Weather

Condition: Sunny Fine Overcast Hazy Drizzle Rain Storm
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 Wind: Calm Light Breeze Strong

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| 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 |
|----------------------|--|-----|-----|----|-----|---------|
| <i>Miscellaneous</i> | | | | | | |
| 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 |
|--|--|-----|-----|----|-----|---------|
| WBO | 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? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? | | / | | | |
| EM&A: C3 | To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers? | / | | | | |
| NCO | Are valid construction noise permits, if required, available for inspection? | / | | | | |
| NCO | Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? | / | | | | |
| NCO | Are valid noise emission labels fixed at air compressors and hand held percussive breakers? | | / | | | |
| | Major noise source(s) | <input type="checkbox"/> Traffic | | <input checked="" type="checkbox"/> Construction activities inside the site | | |
| | | <input type="checkbox"/> Construction activities outside the site | | <input type="checkbox"/> Others _____ | | |

Abbreviation

| | | | |
|----------|---|-------|----------------------------------|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| WMP: | Waste Management Plan | NCO: | Noise Control Ordinance |
| Cap311R: | APC (Construction Dust) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311O: | APC (Open Burning) Regulation | | |
| 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:
Larry Wong)



(Name in Block Letters:
Dennis Ling)

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 24/3/04 Time 15:00 Inspected By ET: Larry Wong
 Contractor: Deans & King
 Site LMX - Site Formation

Weather

Condition Sunny Fine Overcast Hezy Drizzle Rain Storm
 Temperature 25 °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? | / | | | | |
| Cap3110 | Is open burning prohibited? | | / | | | |
| Cap311 | Is black smoke emission from plant/equipment avoided? | | / | | | |

WASTE/CHEMICAL WASTE MANAGEMENT

| Ref | Checklist Condition | N/A | Yes | No | Unk | Remarks |
|---|---|-----|-----|----|-----|---------|
| Dredged Materials | | | | | | |
| 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 | | | | | |
| PNI/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 waste water discharged into storm drains via silt removal facilities? | ✓ | | | | |
| | Wheel Washing Water | | | | | |
| PNI/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? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? | | / | | | |
| EM&A: C3 | To mitigate night time construction noise, is dredging equipment equipped with silencers or mufflers? | / | | | | |
| NCO | Are valid construction noise permits, if required, available for inspection? | | / | | | |
| NCO | Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? | | / | | | |
| NCO | Are valid noise emission labels fixed at air compressors and hand held percussive breakers? | | / | | | |
| | Major noise source(s) | <input type="checkbox"/> Traffic | | <input checked="" type="checkbox"/> Construction activities inside the site | | |
| | | <input type="checkbox"/> Construction activities outside the site | | <input type="checkbox"/> Others _____ | | |

Abbreviation

| | | |
|----------|---|--|
| VEP: | Varied Environmental Permit | |
| 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:
Larry Wang)



(Name in Block letters:
Dennis Ling)

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 31/3/04 Time 15:00 Inspected By ET: Larry Wong
 Contractor: David Ling
 Site LMX - Site Formation

Weather

Condition Sunny Fine Overcast Hazy Drizzle Rain Storm
 Temperature 27 °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 overflowing? | / | | | | |
| 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 scaled 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 Sundays and public holidays, is either one of the following measures adopted? a) Mitigation by portable noise barriers at noise sources or b) Rescheduling of some powered mechanical equipment to less sensitive time periods? | | / | | | |
| EM&A: C3 | To mitigate night time construction noise, is dragging equipment equipped with silencers or mufflers? | / | | | | |
| NCO | Are valid construction noise permits, if required, available for inspection? | | / | | | |
| NCO | Are conditions of construction noise permits, if any, for the relevant part(s) of the works implemented accordingly? | | / | | | |
| NCO | Are valid noise emission labels fixed at air compressors and hand held percussive breakers? | | / | | | |
| | Major noise source(s) | <input type="checkbox"/> Traffic | | <input checked="" type="checkbox"/> Construction activities inside the site | | |
| | | <input type="checkbox"/> Construction activities outside the site | | <input type="checkbox"/> Others _____ | | |

Abbreviation

| | | | |
|----------|---|-------|----------------------------------|
| VEP: | Varied Environmental Permit | EM&A: | EM&A Manual (Construction Phase) |
| WMP: | Waste Management Plan | NCO: | Noise Control Ordinance |
| Cap311R: | APC (Construction Dust) Regulation | WDO: | Waste Disposal Ordinance |
| Cap311O: | APC (Open Burning) Regulation | | |
| Cap311: | Air Pollution Control Ordinance | | |
| PN1/94: | Practice Note for Professional Persons (Construction Site Drainage) | | |
| Unk: | Unknown | | |


Remark

N21

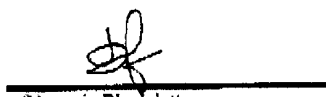
Signatures

ET Member

Contractor's Representative



(Name in Block letters:
Lang Wong)



(Name in Block letters:
Dennis Ling)

11th November 2002