



CEDD Contract No.: CV/2013/06  
Handling of Surplus Public Fill - **Tseung Kwan O Fill Bank**

Inspection Date : 5-2 -14  
 Time : 10:00  
 Weather : Sunny / Fine Cloudy / Overcast / Drizzle / Rain / Storm / Hazy  
 Wind : Calm / Light / Breeze / Strong  
 Temperature : 17  
 Humidity : High / Moderate / Low

| Inspected by | CEDD                          | Contractor / Sub-Contractor                    | ET                     |
|--------------|-------------------------------|--|------------------------|
| Signature:   | <i>Duncan Lam</i><br><i>A</i> | <i>John</i><br><i>Ho</i><br><i>(Secretary)</i> | <i>[Signature]</i>     |
| Name:        | <i>F. X. DA COSTA</i>         | <i>Jackie Ho</i><br><i>Secretary</i>           | <i>Tung Chung Hong</i> |
| Title        | <i>ICIS/PS</i>                | <i>S-S</i><br><i>PSO</i>                       | <i>ET</i>              |



Handling of Surplus Public Fill - **Tseung Kwan O Fill Bank**

| Implementation Stages*        |  | Remark   |
|-------------------------------|--|--|
|                               |  |  |
| <b>Fugitive Dust Emission</b> |  |  |
| ✓                             |  | Dust control / mitigation measures shall be provided to prevent dust nuisance.   |
| ✓                             |  | A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled and no loading / unloading and similar activities should be allowed.  |
| ✓                             |  | Water sprays shall be provided and used to dampen materials.   |
| ✓                             |  | Regular cleaning and watering the site shall be provided to minimize the fugitive dust emissions.  |
| ✓                             |  | All vehicles shall be restrict to a maximum speed of 10 km per hour.   |
| ✓                             |  | Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. |
| ✓                             |  | The designated site main haul road shall be paved or regular watering.   |
| ✓                             |  | Frequent watering of work site shall be at least three times per day.  |
| ✓                             |  | Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.   |
| ✓                             |  | Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.   |
| ✓                             |  | All plant and equipment should be well maintained e.g. without black smoke emission.   |
| ✓                             |  | Open burning should be prohibited.   |
| ✓                             |  | The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.  |
| ✓                             |  | Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shot concrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.  |
| ✓                             |  | When fill material is transfer by belt conveyor systems, the conveyors shall be enclosed on top and 2 sides.   |
| ✓                             |  | The belt scraper shall be equipped with bottom plates or other similar means to prevent falling of material from the return belt.  |
| ✓                             |  | The level of stockpiling belt conveyor shall be adjustable such that the vertical distance between the belt conveyor and the material landing point is maintained at no more than 1m.  |
| <b>Noise Impact</b>           |  |  |
| ✓                             |  | The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.   |
| ✓                             |  | Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.  |
| ✓                             |  | Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.  |
| ✓                             |  | Air compressors and hand held breakers should have noise labels.   |
| ✓                             |  | Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.   |
| ✓                             |  | Noisy equipment and mobile plant shall always be site away from NSRs.  |



Handling of Surplus Public Fill - Tseung Kwan O Fill Bank

| Environmental Checklist   | Implementation Stages* |          | Remark |
|---|------------------------|----------|--------|
|   | Yes                    | No / N/A |        |
| <b>Water Quality</b>  |                        |          |        |
| Drainage system should be adequate and well maintained to prevent flooding and overflow, especially after rain storms.  | ✓                      |          |        |
| The permanent drainage channels should have sediment basin, traps and baffles and maintain properly.  | ✓                      |          |        |
| Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels.   | ✓                      |          |        |
| Manholes should be covered and sealed.  | ✓                      |          |        |
| Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding.  | ✓                      |          |        |
| A buffer distance of at least 100m shall be maintained between the boundary of the public fill stockpiling area and the sea front.  | ✓                      |          |        |
| A buffer distance of at least 20m shall be maintained between the boundary of the C&DMSF and the seafront.  | ✓                      |          |        |
| The stormwater intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.  | ✓                      |          |        |
| The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.   | ✓                      |          |        |
| Final slope surfaces, especially those facing to the north of the site shall be treated by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.  | ✓                      |          |        |
| Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.  | ✓                      |          |        |
| A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.  | ✓                      |          |        |
| The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent silt run-off from entering public road drains.   | ✓                      |          |        |
| Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided. The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.  | ✓                      |          |        |
| Oil intercept in addition of sand / silt removal facilities shall be provided at the car parking areas.   | ✓                      |          |        |
| Oil interceptor shall be provided at work shop.   | ✓                      |          |        |
| Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water.   | ✓                      |          |        |
| The barges shall be in right size such that adequate clearance is maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.  | ✓                      |          |        |
| All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.   | ✓                      |          |        |
| Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.  | ✓                      |          |        |
| Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.   | ✓                      |          |        |
| The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.  | ✓                      |          |        |
| Existing silt curtain at the outward side of the basin near the Barging Handling Area throughout the period shall be repair, maintain and service when there is public fill intake by barges to the Fill Bank in accordance with PS Clause 1.68. The total length of the silt curtains shall not be less than 160m, and a gap of about 80m shall be left open for access of barges. The silt curtain shall be properly maintained such that it can also serve the function of refuse containment boom to confine floating refuse. | ✓                      |          |        |
| A waste collection vessel shall be deployed to remove floating debris.  | ✓                      |          |        |




|                                    |   | Implementation Stages* |          | Remark |
|------------------------------------|---|------------------------|----------|--------|
|                                    |   | Yes                    | No / N/A |        |
| <b>Environmental Checklist</b>     |   |                        |          |        |
| <b>Landscape and Visual</b>        |   |                        |          |        |
| ▪                                  | The design of the fill bank and platform heights adopted should allow the fill bank to fit into the general topography of the surrounding land. Straight edged slopes should be avoided.    | √                      |          |        |
| ▪                                  | The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.  | √                      |          |        |
| ▪                                  | Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.                | √                      |          |        |
| ▪                                  | The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.                                    | √                      |          |        |
| <b>Other Environmental Factors</b> |   |                        |          |        |
| ▪                                  | C&D waste sorted from mixed C&D material shall be removed from the temporary buffer storage area on a daily basis and transfer to SENT landfill for disposal.                               | √                      |          |        |
| ▪                                  | Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.  | √                      |          |        |
| ▪                                  | Any unused materials or those with remaining functional capacity should be recycled and stored properly.  | √                      |          |        |
| ▪                                  | All generators, fuel and oil storage are within bundle areas.   | √                      |          | Item 4 |
| ▪                                  | Oil leakage from machinery, vehicle and plant is prevented.   | √                      |          |        |
| ▪                                  | The Environmental Permit should be displaced conspicuously on site.   | √                      |          | Item 3 |
| ▪                                  | Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.                 | √                      |          |        |
| ▪                                  | To encourage collection of aluminium cans by individual collectors, separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce. | √                      |          |        |

Summary of the Weekly Site Inspection:

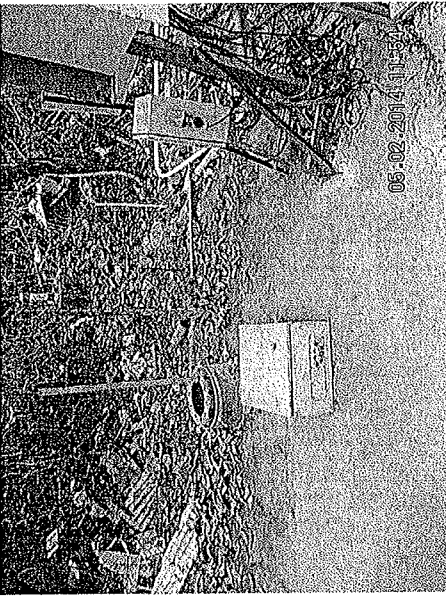
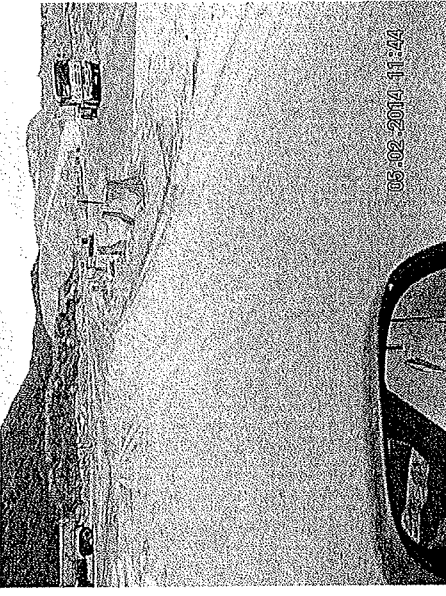
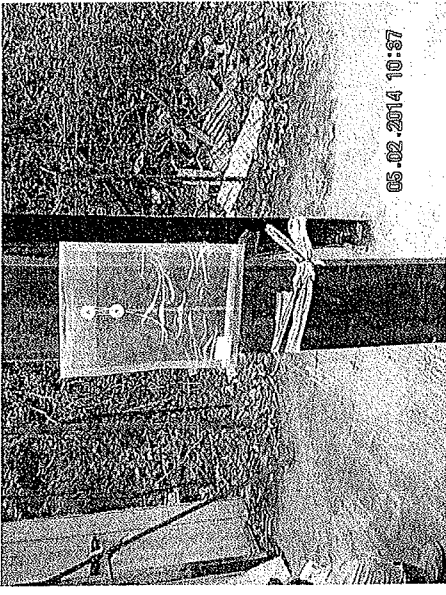

| Item | Details of defective works or observations   | Proposed Follow Up Action  | Photo Ref. | Further Action Required (Yes/No) | Target Completion Date |
|------|--|--|------------|----------------------------------|------------------------|
| 1    | Follow up action to item 3 on 27/01/14, C&D waste, such as paper, plastic bag and wood, discarded near site entrance were collected. | --   | 140205_001 | No                               | ---                    |
| 2    | Follow up action to item 4 on 27/01/14, haul road to wet soil disposition area was found wet and no dust emission was observed.      | --   | 140205_002 | No                               | ---                    |
| 3    | No Environmental Permit was displayed at the site entrance.  | To display valid Environmental Permit at the site entrance and vehicular entrance for public information.              | 140205_003 | Yes                              | 12/02/14               |
| 4    | Two empty oil buckets were discarded on the ground near a container at dry soil disposition area.                                    | To collect and dispose of or store the oil buckets at appropriate area, such as chemical waste storage area, properly. | 140205_004 | Yes                              | 12/02/14               |

Remark

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| Name      | Title                        | Signature   | Date             |
|-----------|------------------------------|---|------------------|
| Linda Law | Senior Environmental Officer |  | 05 February 2014 |

Photos

|   |  |  |
|---|--|--|
|  <p>06-02-2014 11:54<br/>Photo 140205_001 (Site entrance) (Improved)</p>   |  <p>06-02-2014 11:24<br/>Photo 140205_002 (Haul road to wet soil deposition area) (Improved)</p> |  <p>06-02-2014 10:37<br/>Photo 140205_003 (Site entrance)</p> |
|  <p>06-02-2014 11:27<br/>Photo 140205_004 (Dry soil disposition area)</p> |  |  |



Inspection Date : 12-2-14  
 Time : 10:00  
 Weather : Sunny / Fine / Cloudy / Overcast / Drizzle / Rain / Storm / Hazy  
 Wind : Calm / Light / Breeze / Strong  
 Temperature : 9°C  
 Humidity : High / Moderate / Low

| Inspected by | CEDD  | Contractor / Sub-Contractor | ET             |
|--------------|---|-----------------------------|----------------|
| Signature:   |   |                             |                |
| Name:        | A. K. Wilson<br>Damon Lam<br>F. X. DA COSTA | Eric Ng<br>Jing Su          | Jay Ching Hing |
| Title        | Assoc. NGPPB Ins/PS                         | EO SR Agent.                | ET             |

| Environmental Checklist       |  | Implementation Stages* |    |     | Remark |
|-------------------------------|--|------------------------|----|-----|--------|
|                               |  | Yes                    | No | N/A |        |
| <b>Fugitive Dust Emission</b> |  |                        |    |     |        |
| ▪                             | Dust control / mitigation measures shall be provided to prevent dust nuisance.   | ✓                      |    |     |        |
| ▪                             | A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled and no loading / unloading and similar activities should be allowed.  | ✓                      |    |     |        |
| ▪                             | Water sprays shall be provided and used to dampen materials.   | ✓                      |    |     |        |
| ▪                             | Regular cleaning and watering the site shall be provided to minimize the fugitive dust emissions.  | ✓                      |    |     |        |
| ▪                             | All vehicles shall be restrict to a maximum speed of 10 km per hour.   | ✓                      |    |     |        |
| ▪                             | Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. | ✓                      |    |     |        |
| ▪                             | The designated site main haul road shall be paved or regular watering.   | ✓                      |    |     |        |
| ▪                             | Frequent watering of work site shall be at least three times per day.  | ✓                      |    |     |        |
| ▪                             | Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.   | ✓                      |    |     |        |
| ▪                             | Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.   | ✓                      |    |     |        |
| ▪                             | All plant and equipment should be well maintained e.g. without black smoke emission.   | ✓                      |    |     |        |
| ▪                             | Open burning should be prohibited.   | ✓                      |    |     |        |
| ▪                             | The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.  | ✓                      |    |     |        |
| ▪                             | Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shot concrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.  | ✓                      |    |     |        |
| ▪                             | When fill material is transfer by belt conveyor systems, the conveyors shall be enclosed on top and 2 sides.   | ✓                      |    |     |        |
| ▪                             | The belt scraper shall be equipped with bottom plates or other similar means to prevent falling of material from the return belt.  | ✓                      |    |     |        |
| ▪                             | The level of stockpiling belt conveyor shall be adjustable such that the vertical distance between the belt conveyor and the material landing point is maintained at no more than 1m.  | ✓                      |    |     |        |
| <b>Noise Impact</b>           |  |                        |    |     |        |
| ▪                             | The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.   | ✓                      |    |     |        |
| ▪                             | Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.  | ✓                      |    |     |        |
| ▪                             | Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.  | ✓                      |    |     |        |
| ▪                             | Air compressors and hand held breakers should have noise labels.   | ✓                      |    |     |        |
| ▪                             | Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.   | ✓                      |    |     |        |
| ▪                             | Noisy equipment and mobile plant shall always be site away from NSRs.  | ✓                      |    |     |        |



Handling of Surplus Public Fill (2014-2016) - Tseung Kwan O Area 137 Fill Bank

| Environmental Checklist |   | Implementation Stages* |    | Remark |
|-------------------------|---|------------------------|----|--------|
|                         |   | Yes                    | No |        |
| <b>Water Quality</b>    |   |                        |    |        |
| ▪                       | Drainage system should be adequate and well maintained to prevent flooding and overflow, especially after rain storms.  | ✓                      |    |        |
| ▪                       | The permanent drainage channels should have sediment basin, traps and baffles and maintain properly.  | ✓                      |    |        |
| ▪                       | Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels.   | ✓                      |    |        |
| ▪                       | Manholes should be covered and sealed.  | ✓                      |    |        |
| ▪                       | Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding.  | ✓                      |    |        |
| ▪                       | A buffer distance of at least 100m shall be maintained between the boundary of the public fill stockpiling area and the sea front.  | ✓                      |    |        |
| ▪                       | A buffer distance of at least 20m shall be maintained between the boundary of the C&DMSF and the seafont.   | ✓                      |    |        |
| ▪                       | The stormwater intercepting system shall be effective to collect runoff and remove suspended solids before discharge.   | ✓                      |    |        |
| ▪                       | The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.   | ✓                      |    |        |
| ▪                       | Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.  | ✓                      |    |        |
| ▪                       | Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.  | ✓                      |    |        |
| ▪                       | A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.  | ✓                      |    |        |
| ▪                       | The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcore to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.  | ✓                      |    |        |
| ▪                       | Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided. The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.  | ✓                      |    |        |
| ▪                       | Oil intercept in addition of sand / silt removal facilities shall be provided at the car parking areas.   | ✓                      |    |        |
| ▪                       | Oil interceptor shall be provided at work shop.   | ✓                      |    |        |
| ▪                       | Tipping hails enclosed with top and 3-side to prevent spillage of material into marine water.   | ✓                      |    |        |
| ▪                       | The barges shall be in right size such that adequate clearance is maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.  | ✓                      |    |        |
| ▪                       | All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.   | ✓                      |    |        |
| ▪                       | Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.  | ✓                      |    |        |
| ▪                       | Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.   | ✓                      |    |        |
| ▪                       | The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.  | ✓                      |    |        |
| ▪                       | Existing silt curtain at the outward side of the basin near the Barging Handling Area throughout the period shall be repair, maintain and service when there is public fill intake by barges to the Fill Bank in accordance with PS Clause 1.68. The total length of the silt curtains shall not be less than 160m, and a gap of about 80m shall be left open for access of barges. The silt curtain shall be properly maintained such that it can also serve the function of refuse containment boom to confine floating refuse. | ✓                      |    |        |
| ▪                       | A waste collection vessel shall be deployed to remove floating debris.  | ✓                      |    |        |


| Environmental Checklist   | Implementation Stages* |          | Remark |
|---|------------------------|----------|--------|
|   | Yes                    | No / N/A |        |
| <b>Landscape and Visual</b>   |                        |          |        |
| ▪ The design of the fill bank and platform heights adopted should allow the fill bank to fit into the general topography of the surrounding land. Straight edged slopes should be avoided.    | √                      |          |        |
| ▪ The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.  | √                      |          |        |
| ▪ Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.                | √                      |          |        |
| ▪ The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.                                    | √                      |          |        |
| <b>Other Environmental Factors</b>  |                        |          |        |
| ▪ C&D waste sorted from mixed C&D material shall be removed from the temporary buffer storage area on a daily basis and transfer to SENT landfill for disposal.                               | √                      |          |        |
| ▪ Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.  | √                      |          |        |
| ▪ Any unused materials or those with remaining functional capacity should be recycled and stored properly.  | √                      |          |        |
| ▪ All generators, fuel and oil storage are within bundle areas.   | √                      | Item 4   |        |
| ▪ Oil leakage from machinery, vehicle and plant is prevented.   | √                      |          |        |
| ▪ The Environmental Permit should be displaced conspicuously on site.   | √                      | Item 3   |        |
| ▪ Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.                 | √                      |          |        |
| ▪ To encourage collection of aluminium cans by individual collectors, separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce. | √                      |          |        |

**Summary of the Weekly Site Inspection:**

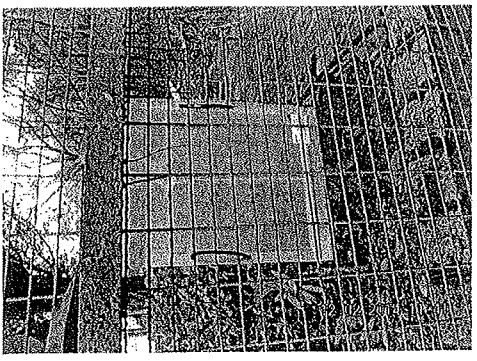

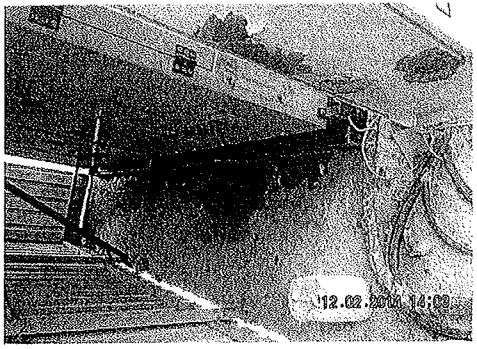

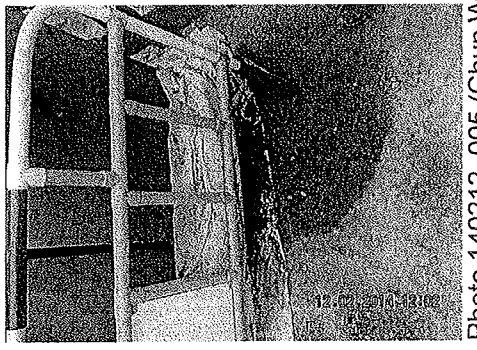
| Item | Details of defective works or observations  | Proposed Follow Up Action   | Photo Ref. | Further Action Required (Yes/No) | Target Completion Date |
|------|---|---|------------|----------------------------------|------------------------|
| 1    | Follow up action to item 3 on 05/02/14, no Environmental Permit was displayed at the site entrance.   | To display valid Environmental Permit at the site entrance and vehicular entrance for public information.                 | 140212_001 | Yes                              | 19/02/14               |
| 2    | Follow up action to item 4 on 05/02/14, the empty oil buckets on the ground near a container at dry soil deposition area were covered properly. | ---   | 140212_002 | No                               | ---                    |
| 3    | Oil leakage was observed from a generator at RE site office.  | To clean up the leaked oil and treat the contaminated materials as chemical waste.  | 140212_003 | Yes                              | 19/02/14               |
| 4    | Stagnant water was noted inside the drip tray for a generator located at car park at RE site office.  | To drain the stagnant water out or apply pesticide to avoid mosquito breeding. Besides, skirt curtain should be provided. | 140212_004 | Yes                              | 19/02/14               |
| 5    | Oil stain was observed from a generator at Chun Wo site office.   | To clean up the oil stain and treat the contaminated materials as chemical waste.   | 140212_005 | Yes                              | 19/02/14               |

Remark




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| Name      | Title                        | Signature   | Date             |
|-----------|------------------------------|---|------------------|
| Linda Law | Senior Environmental Officer |  | 12 February 2014 |

Photos

|   |   |  |
|---|---|--|
|  <p>Photo 140212_001 (Site entrance)</p>               |  <p>Photo 140212_002 (Dry soil deposition area)</p> |  <p>Photo 140212_003 (RE Site Office)</p> |
|  <p>Photo 140212_004 (Car Park at RE Site Office)</p> |  <p>Photo 140212_005 (Chun Wo Site Office)</p>    |  |

Inspection Date : 19-2-14  
 Time : 10:00  
 Weather : Sunny / Fine / Cloudy / Overcast / Drizzle / Rain / Storm / Hazy  
 Wind : Calm / Light / Breeze / Strong  
 Temperature : 9°C  
 Humidity : High / Moderate / Low

| Inspected by | CEDD   | Contractor / Sub-Contractor   | ET   |
|--------------|--|---|--|
| Signature:   |  |  |  |
| Name:        | C. K. Wong   | Eric Chan, Jackie   | Eric Tang  |
| Title        | AS10WPS  | EO, SS  | ET   |



| Implementation Stages*        |  | Remark   |
|-------------------------------|--|--|
|                               |  |  |
| <b>Fugitive Dust Emission</b> |  |  |
| √                             |  | Dust control / mitigation measures shall be provided to prevent dust nuisance.   |
| √                             |  | A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled and no loading / unloading and similar activities should be allowed.  |
| √                             |  | Water sprays shall be provided and used to dampen materials.   |
| √                             |  | Regular cleaning and watering the site shall be provided to minimize the fugitive dust emissions.  |
| √                             |  | All vehicles shall be restricted to a maximum speed of 10 km per hour.   |
| √                             |  | Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. |
| √                             |  | The designated site main haul road shall be paved or regular watering.   |
| √                             |  | Frequent watering of work site shall be at least three times per day.  |
| √                             |  | Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.   |
| √                             |  | Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.   |
| √                             |  | All plant and equipment should be well maintained e.g. without black smoke emission.   |
| √                             |  | Open burning should be prohibited.   |
| √                             |  | The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.  |
| √                             |  | Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shot concrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.  |
| √                             |  | When fill material is transfer by belt conveyor systems, the conveyors shall be enclosed on top and 2 sides.   |
| √                             |  | The belt scraper shall be equipped with bottom plates or other similar means to prevent falling of material from the return belt.  |
| √                             |  | The level of stockpiling belt conveyor shall be adjustable such that the vertical distance between the belt conveyor and the material landing point is maintained at no more than 1m.  |
| <b>Noise Impact</b>           |  |  |
| √                             |  | The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.   |
| √                             |  | Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.  |
| √                             |  | Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.  |
| √                             |  | Air compressors and hand held breakers should have noise labels.   |
| √                             |  | Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.   |
| √                             |  | Noisy equipment and mobile plant shall always be site away from NSRs.  |



Handling of Surplus Public Fill (2014-2016) - Tseung Kwan O Area 137 Fill Bank

|   | Implementation Stages* |    |     | Remark       |
|---|------------------------|----|-----|--------------|
|   | Yes                    | No | N/A |              |
| <b>Water Quality</b>  |                        |    |     |              |
| ▪ Drainage system should be adequate and well maintained to prevent flooding and overflow, especially after rain storms.  | ✓                      |    |     |              |
| ▪ The permanent drainage channels should have sediment basin, traps and baffles and maintain properly.  | ✓                      |    |     |              |
| ▪ Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels.   | ✓                      |    |     |              |
| ▪ Manholes should be covered and sealed.  | ✓                      |    |     |              |
| ▪ Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding.  | ✓                      |    |     | Item 5 and 6 |
| ▪ A buffer distance of at least 100m shall be maintained between the boundary of the public fill stockpiling area and the sea front.  | ✓                      |    |     |              |
| ▪ A buffer distance of at least 20m shall be maintained between the boundary of the C&DMSF and the seafront.  | ✓                      |    |     |              |
| ▪ The stormwater intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.  | ✓                      |    |     |              |
| ▪ The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.   | ✓                      |    |     |              |
| ▪ Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.   | ✓                      |    |     |              |
| ▪ Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.  | ✓                      |    |     |              |
| ▪ A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.  | ✓                      |    |     |              |
| ▪ The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcore to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.  | ✓                      |    |     |              |
| ▪ Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided. The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.  | ✓                      |    |     |              |
| ▪ Oil intercept in addition of sand / silt removal facilities shall be provided at the car parking areas.   | ✓                      |    |     |              |
| ▪ Oil interceptor shall be provided at work shop.   | ✓                      |    |     |              |
| ▪ Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water.   | ✓                      |    |     |              |
| ▪ The barges shall be in right size such that adequate clearance is maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.  | ✓                      |    |     |              |
| ▪ All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.   | ✓                      |    |     |              |
| ▪ Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.  | ✓                      |    |     |              |
| ▪ Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.   | ✓                      |    |     |              |
| ▪ The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.  | ✓                      |    |     |              |
| ▪ Existing silt curtain at the outward side of the basin near the Barging Handling Area throughout the period shall be repair, maintain and service when there is public fill intake by barges to the Fill Bank in accordance with PS Clause 1.68. The total length of the silt curtains shall not be less than 160m, and a gap of about 80m shall be left open for access of barges. The silt curtain shall be properly maintained such that it can also serve the function of refuse containment boom to confine floating refuse. | ✓                      |    |     |              |
| ▪ A waste collection vessel shall be deployed to remove floating debris.  | ✓                      |    |     |              |

| Environmental Checklist   | Implementation Stages* |    |     | Remark |
|---|------------------------|----|-----|--------|
|   | Yes                    | No | N/A |        |
| <b>Landscape and Visual</b>   |                        |    |     |        |
| ▪ The design of the fill bank and platform heights adopted should allow the fill bank to fit into the general topography of the surrounding land. Straight edged slopes should be avoided.    | √                      |    |     |        |
| ▪ The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.  | √                      |    |     |        |
| ▪ Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.                | √                      |    |     |        |
| ▪ The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.                                    | √                      |    |     |        |
| <b>Other Environmental Factors</b>  |                        |    |     |        |
| ▪ C&D waste sorted from mixed C&D material shall be removed from the temporary buffer storage area on a daily basis and transfer to SENT landfill for disposal.                               | √                      |    |     |        |
| ▪ Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.  | √                      |    |     |        |
| ▪ Any unused materials or those with remaining functional capacity should be recycled and stored properly.  | √                      |    |     |        |
| ▪ All generators, fuel and oil storage are within bundle areas.   | √                      |    |     |        |
| ▪ Oil leakage from machinery, vehicle and plant is prevented.   | √                      |    |     | Item 4 |
| ▪ The Environmental Permit should be displaced conspicuously on site.   | √                      |    |     |        |
| ▪ Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.                 | √                      |    |     |        |
| ▪ To encourage collection of aluminium cans by individual collectors, separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce. | √                      |    |     |        |

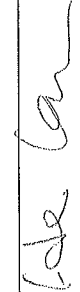


Summary of the Weekly Site Inspection:

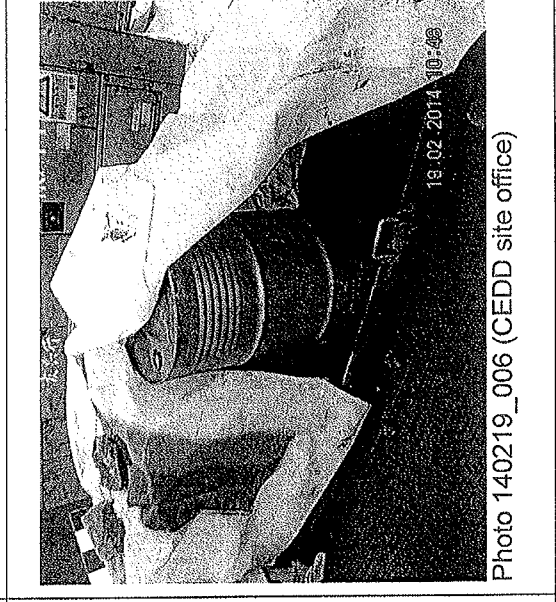
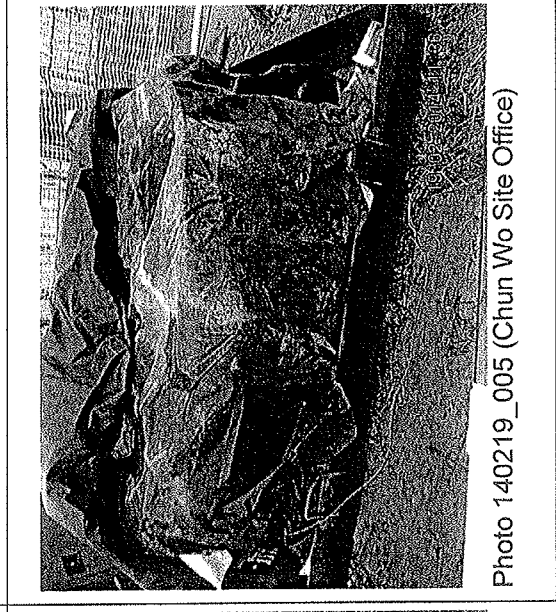
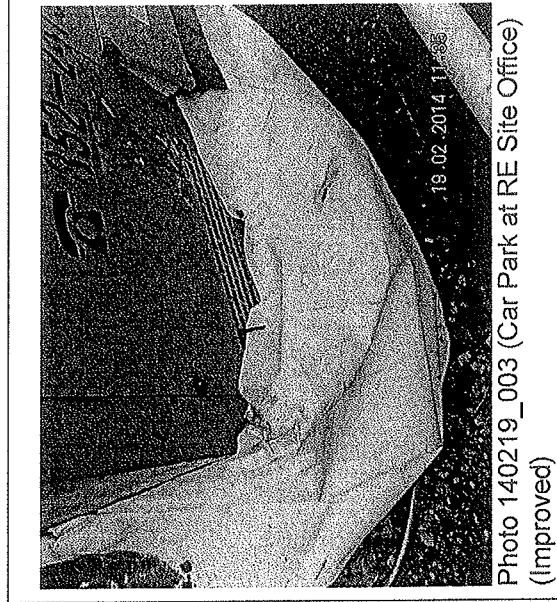
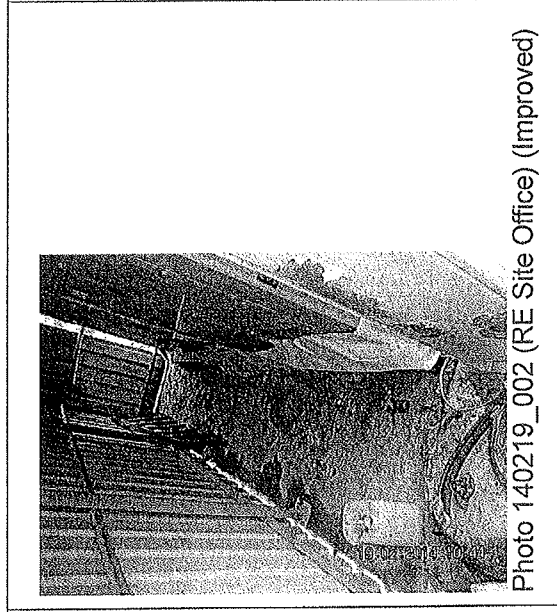
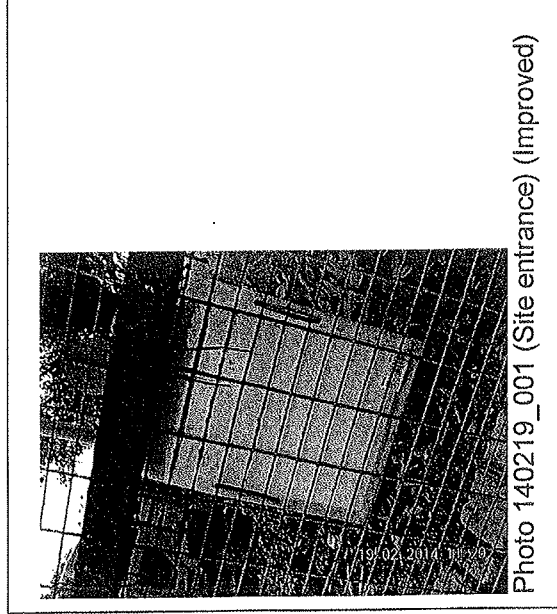
| Item | Details of defective works or observations   | Proposed Follow Up Action  | Photo Ref. | Further Action Required (Yes/No) | Target Completion Date |
|------|--|--|------------|----------------------------------|------------------------|
| 1    | Follow up action to item 3 on 05/02/14 and item 1 on 12/02/14, Environmental Permit was displayed at the site entrance.  | --   | 140219_001 | No                               | ---                    |
| 2    | Follow up action to item 3 on 12/02/14, the leaked oil observed from a generator at RE site office was cleared properly.   | --   | 140219_002 | No                               | ---                    |
| 3    | Follow up action to item 4 on 12/02/14, no stagnant water was noted inside the drip tray for a generator located at car park at RE site office and skirt curtain was provided to cover the generator properly. | --   | 140219_003 | No                               | ---                    |
| 4    | Follow up action to item 5 on 12/02/14, oil stain was still observed from a generator at Chun Wo site office.  | To clean up the oil stain and treat the contaminated materials as chemical waste.      | 140219_004 | Yes                              | 26/02/14               |
| 5    | Oil drums placed at Chun Wo site office was found covered improperly and stagnant water was observed inside the drip tray.   | To drain the stagnant water inside the drip tray out and cover the oil drums properly. | 140219_005 | Yes                              | 26/02/14               |
| 6    | Oil drums placed at CEDD site office was found covered improperly and stagnant water was observed inside the drip tray.  | To drain the stagnant water inside the drip tray out and cover the oil drums properly. | 140219_006 | Yes                              | 26/02/14               |

Remark

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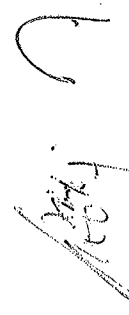


| Name      | Title                        | Signature   | Date             |
|-----------|------------------------------|---|------------------|
| Linda Law | Senior Environmental Officer |  | 19 February 2014 |

Photos



CEDD Contract No.: CV/2013/06  
 Handling of Surplus Public Fill (2014-2016) - Tseung Kwan O Area 137 Fill Bank

Inspection Date : 26-2-14  
 Time : 10:00  
 Weather : Sunny / Fine / Cloudy / Overcast / Drizzle / Rain / Storm / Hazy  
 Wind : Calm / Light Breeze / Strong  
 Temperature : 17  
 Humidity : High / Moderate / Low

| Inspected by | CEDD   | Contractor / Sub-Contractor   | ET   |
|--------------|--|---|--|
| Signature:   |  |  |  |
| Name:        | C.K. Joo 蕭卓華   | Eric Kook Luk Wah 吳國權   | Tung Ching Hong 鄧景洪  |
| Title        | Area/PS  | Sub/PS  | ET   |



| Environmental Checklist       |  | Implementation Stages* |    |     | Remark |
|-------------------------------|--|------------------------|----|-----|--------|
|                               |  | Yes                    | No | N/A |        |
| <b>Fugitive Dust Emission</b> |  |                        |    |     |        |
| ▪                             | Dust control / mitigation measures shall be provided to prevent dust nuisance.   | √                      |    |     |        |
| ▪                             | A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled and no loading / unloading and similar activities should be allowed.  | √                      |    |     |        |
| ▪                             | Water sprays shall be provided and used to dampen materials.   | √                      |    |     |        |
| ▪                             | Regular cleaning and watering the site shall be provided to minimize the fugitive dust emissions.  | √                      |    |     |        |
| ▪                             | All vehicles shall be restrict to a maximum speed of 10 km per hour.   | √                      |    |     |        |
| ▪                             | Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. | √                      |    |     |        |
| ▪                             | The designated site main haul road shall be paved or regular watering.   | √                      |    |     |        |
| ▪                             | Frequent watering of work site shall be at least three times per day.  | √                      |    |     |        |
| ▪                             | Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.   | √                      |    |     |        |
| ▪                             | Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.   | √                      |    |     |        |
| ▪                             | All plant and equipment should be well maintained e.g. without black smoke emission.   | √                      |    |     |        |
| ▪                             | Open burning should be prohibited.   | √                      |    |     |        |
| ▪                             | The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.  | √                      |    |     |        |
| ▪                             | Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shot concrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.  | √                      |    |     |        |
| ▪                             | When fill material is transfer by belt conveyor systems, the conveyors shall be enclosed on top and 2 sides.   | √                      |    |     |        |
| ▪                             | The belt scraper shall be equipped with bottom plates or other similar means to prevent falling of material from the return belt.  | √                      |    |     |        |
| ▪                             | The level of stockpiling belt conveyor shall be adjustable such that the vertical distance between the belt conveyor and the material landing point is maintained at no more than 1m.  | √                      |    |     |        |
| <b>Noise Impact</b>           |  |                        |    |     |        |
| ▪                             | The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.   | √                      |    |     |        |
| ▪                             | Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.  | √                      |    |     |        |
| ▪                             | Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.  | √                      |    |     |        |
| ▪                             | Air compressors and hand held breakers should have noise labels.   | √                      |    |     |        |
| ▪                             | Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.   | √                      |    |     |        |
| ▪                             | Noisy equipment and mobile plant shall always be site away from NSRs.  | √                      |    |     |        |

| Environmental Checklist   | Implementation Stages* |    |     | Remark |
|---|------------------------|----|-----|--------|
|   | Yes                    | No | N/A |        |
| <b>Water Quality</b>  |                        |    |     |        |
| Drainage system should be adequate and well maintained to prevent flooding and overflow, especially after rain storms.  | ✓                      |    |     |        |
| The permanent drainage channels should have sediment basin, traps and baffles and maintain properly.  | ✓                      |    |     |        |
| Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels.   | ✓                      |    |     |        |
| Manholes should be covered and sealed.  | ✓                      |    |     |        |
| Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding.  | ✓                      |    |     |        |
| A buffer distance of at least 100m shall be maintained between the boundary of the public fill stockpiling area and the sea front.  | ✓                      |    |     |        |
| A buffer distance of at least 20m shall be maintained between the boundary of the C&DMSF and the seafront.  | ✓                      |    |     |        |
| The stormwater intercepting system shall be effective to collect runoff and remove suspended solids before discharge.   | ✓                      |    |     |        |
| The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.   | ✓                      |    |     |        |
| Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.  | ✓                      |    |     |        |
| Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.  | ✓                      |    |     |        |
| A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.  | ✓                      |    |     |        |
| The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.   | ✓                      |    |     |        |
| Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided. The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.  | ✓                      |    |     |        |
| Oil intercept in addition of sand / silt removal facilities shall be provided at the car parking areas.   | ✓                      |    |     |        |
| Oil interceptor shall be provided at work shop.   | ✓                      |    |     |        |
| Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water.   | ✓                      |    |     |        |
| The barges shall be in right size such that adequate clearance is maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.  | ✓                      |    |     |        |
| All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.   | ✓                      |    |     |        |
| Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.  | ✓                      |    |     |        |
| Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.   | ✓                      |    |     |        |
| The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.  | ✓                      |    |     |        |
| Existing silt curtain at the outward side of the basin near the Barging Handling Area throughout the period shall be repair, maintain and service when there is public fill intake by barges to the Fill Bank in accordance with PS Clause 1.68. The total length of the silt curtains shall not be less than 160m, and a gap of about 80m shall be left open for access of barges. The silt curtain shall be properly maintained such that it can also serve the function of refuse containment boom to confine floating refuse. | ✓                      |    |     |        |
| A waste collection vessel shall be deployed to remove floating debris.  | ✓                      |    |     |        |



| Environmental Checklist            |   | Implementation Stages* |          | Remark |
|------------------------------------|---|------------------------|----------|--------|
|                                    |   | Yes                    | No / N/A |        |
| <b>Landscape and Visual</b>        |   |                        |          |        |
| ▪                                  | The design of the fill bank and platform heights adopted should allow the fill bank to fit into the general topography of the surrounding land. Straight edged slopes should be avoided.    | √                      |          |        |
| ▪                                  | The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.  | √                      |          |        |
| ▪                                  | Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.                | √                      |          |        |
| ▪                                  | The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.                                    | √                      |          |        |
| <b>Other Environmental Factors</b> |   |                        |          |        |
| ▪                                  | C&D waste sorted from mixed C&D material shall be removed from the temporary buffer storage area on a daily basis and transfer to SENT landfill for disposal.                               | √                      |          |        |
| ▪                                  | Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.  | √                      |          |        |
| ▪                                  | Any unused materials or those with remaining functional capacity should be recycled and stored properly.  | √                      |          |        |
| ▪                                  | All generators, fuel and oil storage are within bundle areas.   | √                      |          |        |
| ▪                                  | Oil leakage from machinery, vehicle and plant is prevented.   | √                      |          |        |
| ▪                                  | The Environmental Permit should be displaced conspicuously on site.   | √                      |          |        |
| ▪                                  | Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.                 | √                      |          |        |
| ▪                                  | To encourage collection of aluminium cans by individual collectors, separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce. | √                      |          |        |



Summary of the Weekly Site Inspection:

| Item | Details of defective works or observations   | Proposed Follow Up Action                            | Photo Ref. | Further Action Required (Yes/No) | Target Completion Date |
|------|--|--|------------|----------------------------------|------------------------|
| 1    | Follow up action to item 5 on 12/02/14 and item 4 on 19/02/14, the generator at Chun Wo site office was removed and no oil stain was observed from a generator at Chun Wo site office. | ---  | 140226_001 | No                               | ---                    |
| 2    | Follow up action to item 5 on 19/02/14, oil drums placed at Chun Wo site office was removed.   | ---  | 140226_002 | No                               | ---                    |
| 3    | Follow up action to item 6 on 19/02/14, oil drums placed at CEDD site office was removed.  | ---  | 140226_003 | No                               | ---                    |
| 4    | No skirt curtain was provided for the generator near tipping hall No.2.  | To provide suitable skirt curtain for all generator. | 140226_004 | Yes                              | 05/03/14               |

Remark

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| Name      | Title                        | Signature | Date             |
|-----------|------------------------------|-----------|------------------|
| Linda Law | Senior Environmental Officer |           | 26 February 2014 |



Photos

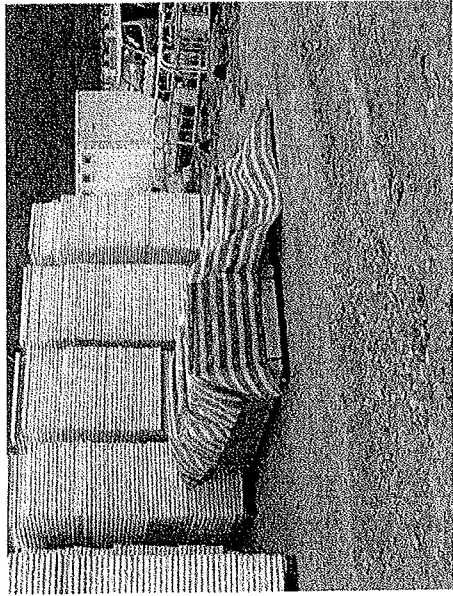


Photo 140226\_001 (Site entrance) (Improved)

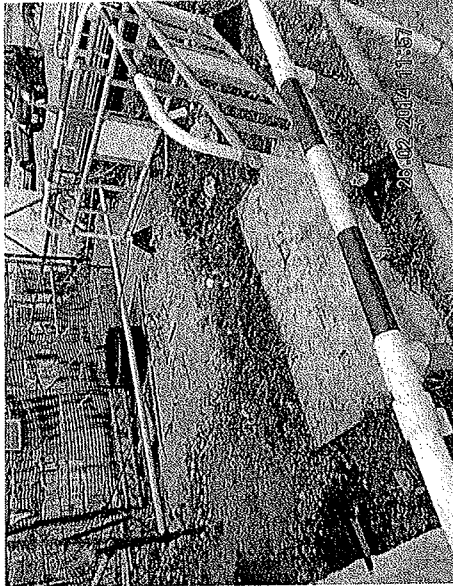


Photo 140226\_002 (Chun Wo Site Office) (Improved)

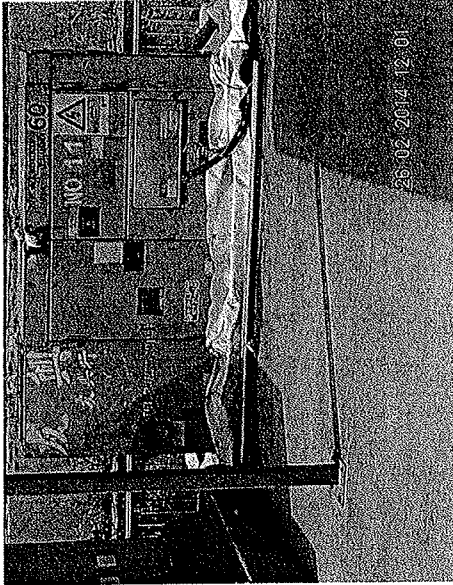


Photo 140226\_003 () (Improved)

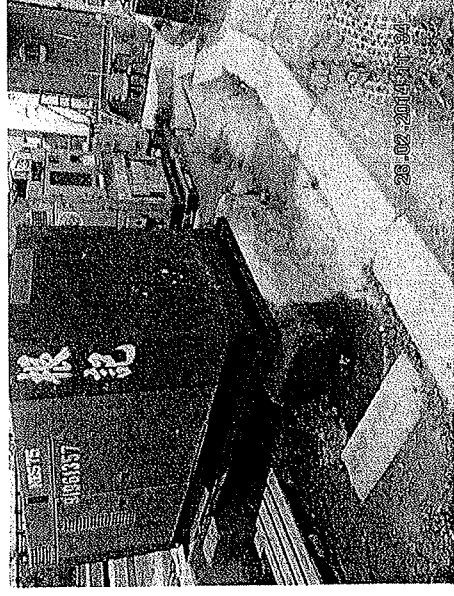


Photo 140226\_004 (Silt curtain near CEDD site office)