



China Harbour Engineering Company Limited

Monthly Summary Waste Flow Table for 2016 (year)

 Name of Person completing the record: Paper CHAN / ES

Project : Hong Kong – Zhuhai – Macao Bridge, Hong Kong Crossing Boundary Facilities – Infrastructure Works Stage I (Western Portion)

Contract No.: HY/2013/02

| Month | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | |
|-----------|--|--|--------------------------|--------------------------|--------------------------|--------------------------|---|----------------------------|-----------------------|----------------|--|
| | Total Quantity Generated | Hard Rock and Large Broken Concrete (see Note 1) | Reused in the Contract | Reused in other Projects | Disposed as Public Fill | Imported Fill | Metals | Paper/ cardboard packaging | Plastics (see Note 2) | Chemical Waste | Others, e.g. general refuse (see Note 3) |
| | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000 kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000 m ³) |
| Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.069 | 2.66 | 0 | 0.0195 |
| Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0455 |
| Mar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.069 | 0 | 0 | 0.0325 |
| Apr | 0 | 0 | 0 | 0 | 0 | 11.592 | 0 | 0 | 0 | 0 | 0.0455 |
| May | 0 | 0 | 0 | 0 | 0 | 7.14 | 6.326 | 0.0805 | 0 | 0 | 0.0585 |
| Jun | 0 | 0 | 0 | 0 | 0 | 2.76 | 0 | 0 | 6.09 | 0 | 0.0325 |
| Sub-total | 0 | 0 | 0 | 0 | 0 | 21.492 | 6.326 | 0.2185 | 8.75 | 0 | 0.2340 |
| Jul | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0780 |
| Aug | 0 | 0 | 0 | 0 | 0 | 2.692 | 0 | 0.14 | 0 | 0 | 0.0520 |
| Sep | 0 | 0 | 0 | 0 | 0 | 1.035 | 0 | 0.16 | 0 | 0 | 0.0325 |
| Oct | 0 | 0 | 0 | 0 | 0 | 0.666 | 0 | 0 | 0 | 0 | 0.0650 |
| Nov | 0 | 0 | 0 | 0 | 0 | 5.359 | 0 | 0.18 | 7.55 | 0 | 0.0715 |
| Dec | | | | | | | | | | | |
| Total | 0 | 0 | 0 | 0 | 0 | 31.244 | 6.326 | 0.6985 | 16.3 | 0 | 0.5330 |

- Notes:
- (1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
 - (2) Plastics refer to plastic bottles/containers, plastic sheets/ foam from packaging materials.
 - (3) Broken concrete for recycling into aggregates.



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Monthly Summary of Marine Sediment for 2016

| Month | a. Volume of Marine Sediment Generated | b. Volume of Marine Sediment Disposed (m ³) | c. Estimated Volume of Marine Sediment Stored on |
|--------------|--|---|--|
| Jan | 4029 ⁽¹⁾ | 1272 | 2757 |
| Feb | 1133 | 2816 | 1074 |
| Mar | 414 | 600 | 888 |
| Apr | 4240 | 5128 | 0 |
| May | 1020 | 0 | 1020 |
| Jun | 1097 | 1200 | 917 |
| Jul | 957 | 728 | 1146 |
| Aug | 953 | 1784 | 315 |
| Sep | 2013 | 2328 | 0 |
| Oct | 1096 | 1096 | 0 |
| Nov | 2990 | 0 | 2990 |
| Dec | | | |
| Total | 19942 | 16952 | 2990 |

Note:

1) 2771 m³ Marine Sediment Generated has been brought forward from pervious year

2) c=(c in pervious month+a-b)