

# Appendix K Waste Flow Table

**Monthly Summary Waste Flow Table for Year 2020**

| 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 | Soil                     | Soil Reused in the Contract | Soil Reused in other Projects | Soil Disposed as Public Fill | Imported Fill            | Metals  | Paper/ cardboard packaging (Note 3) | Plastics                 | Chemical Waste       | General Refuse (Note 2)  |
| Unit      | (in '000m <sup>3</sup> )                                   | (in '000m <sup>3</sup> )            | (in '000m <sup>3</sup> ) | (in '000m <sup>3</sup> )    | (in '000m <sup>3</sup> )      | (in '000m <sup>3</sup> )     | (in '000m <sup>3</sup> ) | (in '000m <sup>3</sup> )                          | (in '000m <sup>3</sup> )            | (in '000m <sup>3</sup> ) | (in m <sup>3</sup> ) | (in '000m <sup>3</sup> ) |
| Jan-20    | 0.280  | -                                   | 0.280                    | -                           | -                             | 0.280                        | -                        | -   | -                                   | -                        | -                    | 0.015                    |
| Feb-20    | 0.069  | -                                   | 0.069                    | -                           | -                             | 0.069                        | -                        | -   | -                                   | -                        | -                    | 0.020                    |
| Mar-20    | 0.089  | -                                   | 0.089                    | -                           | -                             | 0.089                        | -                        | -   | -                                   | -                        | -                    | 0.025                    |
| Apr-20    | 0.298  | -                                   | 0.298                    | -                           | -                             | 0.298                        | -                        | -   | -                                   | -                        | -                    | 0.010                    |
| May-20    | 0.167  | -                                   | 0.167                    | -                           | -                             | 0.167                        | -                        | -   | -                                   | -                        | -                    | 0.015                    |
| Jun-20    | 0.004  | -                                   | 0.004                    | -                           | -                             | 0.004                        | -                        | -   | -                                   | -                        | -                    | 0.010                    |
| Sub-Total | 0.907  | -                                   | 0.907                    | -                           | -                             | 0.907                        | -                        | -   | -                                   | -                        | -                    | 0.095                    |
| Jul-20    | 0.164  | -                                   | 0.164                    | -                           | -                             | 0.164                        | -                        | -   | -                                   | -                        | -                    | 0.010                    |
| Aug-20    | 0.103  | -                                   | 0.103                    | -                           | -                             | 0.103                        | -                        | -   | -                                   | -                        | -                    | 0.010                    |
| Sep-20    | 0.149  | -                                   | 0.149                    | -                           | -                             | 0.149                        | -                        | -   | -                                   | -                        | -                    | 0.010                    |
| Oct-20    | 0.000  | -                                   | 0.000                    | -                           | -                             | 0.000                        | -                        | -   | -                                   | -                        | -                    | 0.000                    |
| Nov-20    | 0.004  | -                                   | 0.004                    | -                           | -                             | 0.004                        | -                        | -   | -                                   | -                        | -                    | 0.000                    |
| Dec-20    | 0.000  | -                                   | 0.000                    | -                           | -                             | 0.000                        | -                        | -   | -                                   | -                        | -                    | 0.005                    |
| Total     | 1.327  | -                                   | 1.327                    | -                           | -                             | 1.327                        | -                        | -   | -                                   | -                        | -                    | 0.130                    |

- Note:
1. Assume the density of soil fill is 2 ton/m<sup>3</sup>.
  2. Assume the density of rock and broken concrete is 2.5 ton/m<sup>3</sup>.
  3. Assume each truck of C&D wastes is 5m<sup>3</sup>.
  4. The inert C&D materials except slurry and bentonite are disposed at Tuen Mun 38.
  5. The slurry and bentonite are disposed at Tseung Kwun O 137.
  6. The non-inert C&D wastes are disposed at NENT.
  7. Assume the density of metal is 7,850 kg/m<sup>3</sup>.
  8. Assume the density of plastic is 941 kg/m<sup>3</sup>.
  9. Assume the density of paper is 800 kg/m<sup>3</sup>.