

Appendix L

Waste Flow Table

Monthly Summary Waste Flow Table (2023)

| Month | Actual Quantities of Inert C&D Materials Generated Monthly | | | | Actual Quantities of C&D Wastes Generated Monthly | | | | |
|----------------------------------|--|---|---|--|---|----------------------------|--------------------------|--------------------------|-----------------------------|
| | Total Quantity of Inert C&D Materials Generated ^{2 3} (A) | Reused in the Contract ³ (B) | Reused in other Projects ³ (C) | Disposed as Public Fill ³ (D) | Metals | Paper/ cardboard packaging | Plastics | Chemical Waste | Others, e.g. general refuse |
| | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) | (in '000m ³) |
| Total (2019) | 2.284 | 0.0000 | 0.0000 | 2.284 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0358 |
| Total (2020) | 130.0518 | 0.0000 | 75.3533 | 54.6985 | 49.1912 | 3.1500 | 0.0219 | 4.2240 | 0.2613 |
| Total (2021) | 571.1005 | 0.0000 | 509.5554 | 61.5452 | 0.0842 | 3.3920 | 0.0860 | 25.5200 | 0.4916 |
| Total (2022) | 472.7173 | 7.9374 | 320.6842 | 137.2021 | 0.0726 | 3.5310 | 0.1382 | 44.9046 | 0.7432 |
| Jan | 53.2818 | 0.0000 | 50.2477 | 3.0341 | 0.0033 | 0.1650 | 0.0120 | 0.0000 | 0.0688 |
| Feb | 72.6005 | 0.0000 | 65.6327 | 6.9677 | 0.0058 | 0.1300 | 0.0088 | 2.8160 | 0.0900 |
| Mar | 61.8141 | 0.6882 | 52.2268 | 8.8991 | 0.0056 | 0.1400 | 0.0098 | 5.2448 | 0.1094 |
| Apr | 30.5641 | 0.5191 | 19.4473 | 10.5977 | 0.0045 | 0.5000 | 0.0101 | 1.9360 | 0.1094 |
| May | 49.9648 | 0.0676 | 36.2894 | 13.6078 | 0.0042 | 0.4700 | 0.0070 | 0.7040 | 0.1594 |
| Jun | 50.8995 | 0.5987 | 42.9123 | 7.3885 | 0.0048 | 0.1600 | 0.0092 | 0.0000 | 0.1563 |
| Sub-Total (2023) | 319.1248 | 1.8736 | 266.7562 | 50.4949 | 0.0282 | 1.5650 | 0.0569 | 10.7008 | 0.6933 |
| Jul | 33.1173 | 0.0000 | 23.8764 | 9.2409 | 0.0107 | 0.0000 | 0.0263 | 0.0000 | 0.1865 |
| Aug | 23.7191 | 0.1214 | 15.5295 | 8.0682 | 0.0062 | 0.2700 | 0.0120 | 2.8160 | 0.2912 |
| Sep | 18.9880 | 0.0084 | 17.0439 | 1.9357 | 0.0093 | 0.0000 | 0.0168 | 0.0000 | 0.1706 |
| Oct | 23.8688 | 0.0566 | 20.6945 | 3.1177 | 0.0025 | 0.2600 | 0.0022 | 5.6320 | 0.0472 |
| Nov | | | | | | | | | |
| Dec | | | | | | | | | |
| Total (2023) | 418.8180 | 2.0600 | 343.9005 | 72.8574 | 0.0569 | 2.0950 | 0.1142 | 19.1488 | 1.3888 |
| Total accumulated waste quantity | 1594.9716 | 9.9974 | 1249.4934 | 328.5872 | 49.4049 | 12.1680 | 0.3603 | 93.7974 | 2.9207 |

Notes:

1. Following assumption is made for calculation:

- i) 1m³ of inert material weight 2.2 tonne;
- ii) 1m³ of non-inert material weight 1.6 tonne;
- iii) 1m³ of chemical waste weight 0.88 tonne;

2. Total Quantity of Inert C&D Materials (A) should reflect total quantities of C&D materials (including rock, broken concrete, soil, asphalt, slurry and bentonite) generated from site;

3. Disposed as Public Fill (D) = Total Quantity of Inert C&D Materials Generated (A) – Reused in the Contract (B) – Reused in other Projects (C).