

Appendix K Waste Flow Table



Monthly Summary Waste Flow Table for 2018 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

| 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 Sand | Imported Fill Public fill | Imported Fill Rock | 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 ,000L) | (in ,000 m ³) |
| Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jun | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub-total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jul | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aug | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Sep | 0 | 0 | 0 | 0 | 0 | 2.9619 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oct | 0 | 0 | 0 | 0 | 0 | 3.0771 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0130 |
| Nov | 0 | 0 | 0 | 0 | 0 | 6.7871 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dec | 0 | 0 | 0 | 0 | 0 | 59.0709 | 0 | 0 | 0 | 0 | 0 | 0.2000 | 0.8700 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 71.8970 | 0 | 0 | 0 | 0 | 0 | 0.2000 | 0.8700 | 0.0195 |

- Notes:
- (1) Broken concrete for recycling into aggregates.
 - (2) Plastics refer to plastic bottles/ containers, plastic sheets/ foam from packaging materials.
 - (3) Use the conversion factor : 1 full load of dumping truck being equivalent to 6.5m³ by volume.



Monthly Summary Waste Flow Table for 2019 (year)

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| 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 Sand | Imported Fill Public fill | Imported Fill Rock | 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 ,000L) | (in ,000 m ³) |
| Jan | 0 | 0 | 0 | 0 | 0 | 82.6139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Feb | 0 | 0 | 0 | 0 | 0 | 46.7821 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mar | 0 | 0 | 0 | 0 | 0 | 97.1000 | 0 | 0.7552 | 0 | 0.2560 | 0 | 0 | 0 | 0 |
| Apr | 0 | 0 | 0 | 0 | 0 | 58.0413 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 0 | 0 | 0 | 0 | 0 | 14.5625 | 0 | 1.4648 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Jun | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.8421 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sub-total | 0 | 0 | 0 | 0 | 0 | 299.0998 | 0 | 9.0621 | 0 | 0.2560 | 0 | 0 | 0 | 0.0130 |
| Jul | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4289 | 0 | 0 | 0 | 0 | 8.4000 | 0.0130 |
| Aug | 0 | 0 | 0 | 0 | 0 | 2.5775 | 0 | 10.5600 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sep | 0 | 0 | 0 | 0 | 0 | 6.1081 | 0 | 8.4704 | 0 | 0.3530 | 0 | 0 | 0 | 0.0065 |
| Oct | 0 | 0 | 0 | 0 | 0 | 9.8875 | 0 | 7.1900 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nov | 0 | 0 | 0 | 0 | 0 | 38.3088 | 0 | 19.3105 | 0 | 0 | 0 | 0 | 0 | 0.0195 |
| Dec | 0 | 0 | 0 | 0 | 0 | 54.3469 | 0 | 26.9807 | 0 | 0 | 0 | 0 | 0 | 0.0910 |
| Total | 0 | 0 | 0 | 0 | 0 | 410.3286 | 0 | 82.0026 | 0 | 0.6090 | 0 | 0 | 8.4000 | 0.1430 |

- Notes:
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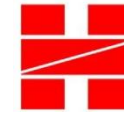
Monthly Summary Waste Flow Table for 2020 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

| 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 Sand | Imported Fill Public fill | Imported Fill Rock | 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 ,000L) | (in ,000 m ³) |
| Jan | 0 | 0 | 0 | 0 | 0 | 37.1550 | 0 | 25.0812 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Feb | 0 | 0 | 0 | 0 | 0 | 27.7910 | 0 | 18.8300 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Mar | 0 | 0 | 0 | 0 | 0 | 22.5669 | 0 | 26.1586 | 0 | 0 | 0 | 0 | 7.2000 | 0.0065 |
| Apr | 0 | 0 | 0 | 0 | 0 | 12.7800 | 0 | 10.1825 | 0 | 0 | 0 | 0 | 0 | 0.0195 |
| May | 0 | 0 | 0 | 0 | 0 | 16.1138 | 0 | 24.3740 | 0 | 0.4220 | 0 | 0 | 0 | 0.0195 |
| Jun | 0 | 0 | 0 | 0 | 0 | 31.5177 | 0 | 28.3030 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Sub-total | 0 | 0 | 0 | 0 | 0 | 147.9244 | 0 | 132.9293 | 0 | 0.4220 | 0 | 0 | 7.2000 | 0.0650 |
| Jul | 0 | 0 | 0 | 0 | 0 | 34.7856 | 17.0606 | 35.1800 | 0 | 0 | 0 | 0 | 0 | 0.0195 |
| Aug | 0 | 0 | 0 | 0 | 0 | 27.1375 | 65.5667 | 27.9335 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sep | 0 | 0 | 0 | 0 | 0 | 11.9813 | 110.1328 | 43.5435 | 0 | 0 | 0 | 0 | 0 | 0.0195 |
| Oct | 0 | 0 | 0 | 0 | 0 | 2.8213 | 131.6600 | 22.5415 | 0 | 0 | 0 | 0 | 0 | 0.0130 |
| Nov | 0 | 0 | 0 | 0 | 0 | 0 | 162.1811 | 44.6475 | 0 | 0.4090 | 0 | 0 | 0.4000 | 0.0130 |
| Dec | 0 | 0 | 0 | 0 | 0 | 0 | 174.9800 | 57.8380 | 0 | 0 | 0 | 0 | 0 | 0.0130 |
| Total | 0 | 0 | 0 | 0 | 0 | 224.6501 | 661.5812 | 364.6133 | 0 | 0.8310 | 0 | 0 | 7.6000 | 0.1430 |

- Notes:
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Monthly Summary Waste Flow Table for 2021 (year)

Project : Integrated Waste Management Facilities, Phase 1

Contract No.: EP/SP/66/12

| 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 Sand | Imported Fill Public fill | Imported Fill Rock | 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 ,000L) | (in ,000 m ³) |
| Jan | 0 | 0 | 0 | 0 | 0 | 0 | 198.1311 | 36.4775 | 0 | 0 | 0 | 0 | 0 | 0.0065 |
| Feb | 0 | 0 | 0 | 0 | 0 | 0 | 143.9511 | 20.9960 | 0 | 0 | 0 | 0 | 0 | 0.6305 |
| Mar | 0 | 0 | 0 | 0 | 0 | 0 | 103.1833 | 23.4510 | 0 | 0 | 0 | 0 | 0 | 0.0130 |
| Apr | | | | | | | | | | | | | | |
| May | | | | | | | | | | | | | | |
| Jun | | | | | | | | | | | | | | |
| Sub-total | 0 | 0 | 0 | 0 | 0 | 0 | 445.2655 | 80.9245 | 0 | 0 | 0 | 0 | 0 | 0.6500 |
| Jul | | | | | | | | | | | | | | |
| Aug | | | | | | | | | | | | | | |
| Sep | | | | | | | | | | | | | | |
| Oct | | | | | | | | | | | | | | |
| Nov | | | | | | | | | | | | | | |
| Dec | | | | | | | | | | | | | | |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 445.2655 | 80.9245 | 0 | 0 | 0 | 0 | 0 | 0.6500 |

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- (1) Broken concrete for recycling into aggregates.
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