

APPENDIX B16:B

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The emissions of GHG from waste generated by the SCA has been calculated using a First Order Decay (FOD) model, according to the Method 1 estimation technique described in Division 5.2.2 of the NGER technical guidelines (DCCEE, 2011). The inputs to the model that have been assumed, k-values, the amount of Degradable Organic Carbon (DOC) content and the breakdown of waste, are shown in Table 1.

Table 1 Inputs to the estimation of waste emissions (DCCEE, 2011)

Waste Type	k-factor	DOC content	Municipal solid waste (%)	Mass (tonnes)	DOC fraction dissimilated
Food	0.4	0.15	35	720.7	0.84
Paper/cardboard	0.07	0.4	13	267.7	0.49
Garden and green	0.17	0.2	16.5	339.8	0.47
Wood	0.035	0.43	1	20.6	0.23
Textiles	0.07	0.24	1.5	30.9	0.5
Sludge	0.4	0.05	0	0	0.5
Nappies	0.07	0.24	4	82.4	0.5
Rubber/Leather	0.07	0.39	1	20.6	0.5