

MSW_T = Total Local Authority Collected Municipal Waste

Recycling and reuse tonnages from Q10, 11, 12, 16, 17, 18, 33, 34 (including collection rejects) plus residual waste from Q23 minus rubble

$BMW\% = 64\%$

Deemed percentage of biodegradable component of Local Authority Collected Municipal Waste in Northern Ireland.

BMW_T = Total Biodegradable Local Authority Collected Municipal Waste

$$BMW_T = BMW\% \times MSW_T$$

Div_T = Total Diverted Local Authority Collected Municipal Waste

Recycling & Reuse tonnages sent to final destination minus any tonnage rejected at the gate of the reprocessor in Q19, 19a & 35 (i.e. net) minus incinerator bottom ash recycled Q54 & 55 minus char / slag recycled Q57

Div_B = Biodegradable Content of Diverted Local Authority Collected Municipal Waste

Nominal biodegradable content of each material stream (see Regs) multiplied by the net amount of each material diverted in Q19, Q19a & 35 (i.e. Div_T)

Res_T = Total Residual Waste

$$Res_T = MSW_T - Div_T$$

Res_B = Biodegradable Content of Residual Waste

$$Res_B = BMW_T - Div_B$$

$RB\%$ = Residual Biodegradable Percentage

$$RB\% = (Res_B / Res_T) \times 100$$

L_D = Directly Landfilled Municipal Waste

Tonnage of waste sent directly to landfill Q51-53

L_{Th} = Landfilled after Thermal Treatment

Tonnage of Incinerator Bottom Ash sent to landfill Q54 & 55 plus tonnage of char / slag sent to landfill Q57

L_{MBT} = Landfilled after MBT

Tonnage sent to landfill Q59

MBT_{RF} = MBT Reduction Factor

Site-specific factor calculated by NIEA by which MBT reduces $RB\%$

L_{OT} = Landfilled after Other Treatments

Output tonnage of waste sent to landfill from Q56, 60, 64, 65 plus residue to landfill Q61, 62 & 63.

Div_R = Diverted waste then rejected to landfill

Recycling and reuse reject tonnages from Q10, 11, 12, 16, 17, 33, 34 plus rejects at the gate of the reprocessor Q19, 19a & 35 plus MRF rejects Q58



BMW_L = Biodegradable Municipal Waste Landfilled

$$BMW_L = (L_D \times RB\%) + (L_{Th} \times 0\%) + (L_{MBT} \times (RB\% \times MBT_{RF})) + (L_{OT} \times RB\%) + (Div_R \times RB\%)$$

Percentage biodegradability of separated fractions of Local Authority Collected Municipal Waste – as appears in the Schedule to Landfill Allowances Scheme (Northern Ireland) Regulations 2004 (As amended)

Type of waste	Amount of Biodegradable Local Authority Collected Municipal Waste (percentage by weight)
Paper and Card	100%
Putrescible waste	100%
Vegetable oil	100%
Footwear	50%
Furniture	50%
Textiles	50%
Mineral oil	0%
Electrical and electronic equipment	0%
End-of-life vehicles	0%
Glass	0%
Inert construction and demolition waste	0%
Metal	0%
Plastic	0%
Soil	0%

Explanation of Terms:

LACMW **Local Authority Collected Municipal Waste**

MBT **Mechanical Biological Treatment**

MRF **Material Recycling Facility**