



EIP/NWRA/9 (December 2006)

NWRA response to the Panel's queries on Table 11.5 from Briefing Paper 20

- 1 The title of the Table 11.5 has a reference to footnote 36, but this footnote seems to be missing.

The missing footnote from Briefing Paper 20 was in error. Footnote 36 should list the assumptions made in compiling Table 11.5 as per footnote 172 in the draft Regional Spatial Strategy on page 62. See the attached Table 11.5 for the correct insertion of footnote 36.

- 2 The values of "Predicted waste arisings", "Composting facilities", "MRFs" and "Residual waste treatment facilities" in Table 11.5 are said to be in "000's tonnes pa", but seem more likely to be in 1,000s of tonnes per quinquennium - is this right?

The predicted values for composting, MRF and residual waste are the indicative values for the annual treatment capacity that are required to be in place over the period shown. The tables have never attempted to show the cumulative capacity required to be put in place, only the annual capacity requirement to treat the annual waste arisings for these categories of sites. The values in Table 11.5 are "000's tonnes pa" as originally written.

3. In Table 11.5a are the values "000's tonnes pa" as stated, or are they tonnes pa?

In Table 11.5a the values should read as 000's tonnes pa to be consistent with the values in Table 11.5. The inclusion of the "000's" at the end of each sub regional area value are in error and should be removed. See the attached Table 11.5a for the correct representation of the values.

4. Please check the arithmetic in the sixth column of Table 11.5. I make the North West total 10,695 (not 20,445 as given).

The 'North West Total's for in the 'Total Residual Landfill Capacity Requirements' (000,s cubic metres) in the last three of columns of Table 11.5 in the draft Regional Spatial Strategy on page 62 and in the Briefing Paper 20 are in error. See the attached Table 11.5 for the correct North West Total's.

5. Under the heading "composting facilities" there are 2 columns headed 2005-2010, which contain different figures to one another; but there is no column for 2015-2020. Similarly, under "MRFs", there are 2 columns headed 2015-2020, which each contain different figures; but there are no figures for 2005-10. The figures throughout the Table show considerable variation from those set out in

the corresponding Table 11.5 on page 62 of the draft RSS, and those set out in Table 1 of the Regional Waste Strategy.

The column headings under and values for 'composting facilities' and 'MRF's' contained in Briefing Paper 20 were in error. These columns should read the same as appears in the draft Regional Spatial Strategy on page 62. See the attached Table 11.5 for the correct column headings and values.

For the avoidance of doubt the only changes suggested in the revised Table 11.5 and new Table 11.5a from the draft Regional Spatial Strategy page 62 are shown in bold and underlined.

Sub Regional Area	Predicted waste arisings (000's tonnes pa)			Composting facilities (000's tonnes pa)			Material recovery facilities (MRF's) (000's tonnes pa)			Residual waste treatment (MBT/RDF/EfW) facilities (000's tonnes pa)			Total residual landfill capacity requirement (000's cubic metres)		
	2005-2010	2010-2015	2015-2020	2005-2010	2010-2015	2015-2020	2005-2010	2010-2015	2015-2020	2005-2010	2010-2015	2015-2020	2005-2010	2010-2015	2015-2020
Cheshire	490	515	515	75	80	80	100	155	155	100	285	455	2,318	1,103	807
Cumbria	360	380	380	55	55	55	75	115	115	100	210	345	1,655	725	530
Greater Manchester (Including Wigan)	1,765	1,850	1,850	265	300	300	350	560	560	300	800	1,580	9,250	4,185	2,893
Lancashire (including Blackburn with Darwen and Blackpool)	895	930	930	90	140	140	180	280	280	200	450	790	4,634	2,129	1,556
Merseyside	995	1,050	1,050	150	160	160	200	315	315	400	575	890	4,698	2,045	1,494
Warrington & Halton	205	215	215	30	35	35	45	65	65	50	100	190	1,054	472	345
North WestTotal				665	770	770	950	1,490	1,490	1,250	2,420	4,250	23,609 (3,000 pa in 2010)	10,659 (1,814 pa in 2015)	7,625 (1,327 pa from 2020)
Current Total Capacity(2006)				286			0 ³⁷			110			unknown ³⁸		

³⁶ Assumption made in compiling Table 11.5,

- Waste growth at in line with Regional Waste Strategy targets
- Recycling and composting within RWS projections (35%, 45% & 55%) with a ceiling of 15% of total municipal waste arisings for composting
- Composting includes all processes providing biological treatment of source segregated organic materials including windrow composting, in vessel composting and anaerobic digestion
- Residual waste treatments include Mechanical / Biological Treatment (MBT), Solid Recovered Fuel (SRF), Energy from Waste (EfW) (mass burn), Anaerobic Digestion together with new technologies under research and development
- Residual waste treatment provided for waste above the landfill allowance limits 2010 and subsequently for all residual waste

Products of residual waste treatment require addition treatment capacity 2020

37 New footnote – **Currently there are no purpose built MRFs for municipal waste in the North West. Some districts do have small adapted facilities but these may be replaced in the future.**

38 New footnote – **The remaining landfill capacity specifically for municipal waste arisings cannot be identified as the capacity at open gate landfill may be taken by either municipal or commercial and industrial waste, unless WDAs are able to secure this capacity by contract. Current (2006) estimates of remaining landfill void space indicate that approximately 40 million cubic meters is available for municipal, commercial and industrial waste. This void space will be adequate to provide disposal capacity for these wastes for about 6 years at the current rate of disposal.**

Table 11.5a – Current Municipal Waste Management Capacity (2006)

Sub Regional Area	Composting Windrow (000's tonnes pa)	Composting Closed Vessel (000's tonnes pa)	MRF (000's tonnes pa)	Residual treatment (000's tonnes pa)
Cheshire	60	0	0	0
Cumbria	38	0	0	0
Greater Manchester (Including Wigan)	65	0	0	110
Lancashire (including Blackburn with Darwen & Blackpool)	80	0	0	0
Merseyside	32	0	0	0
Warrington & Halton	11	0	0	0
North West Total	286	0	0	110