



Department of the
Environment
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Northern Ireland Municipal Waste Management Statistics

October - December 2009 – provisional estimates



Quarterly provisional figures

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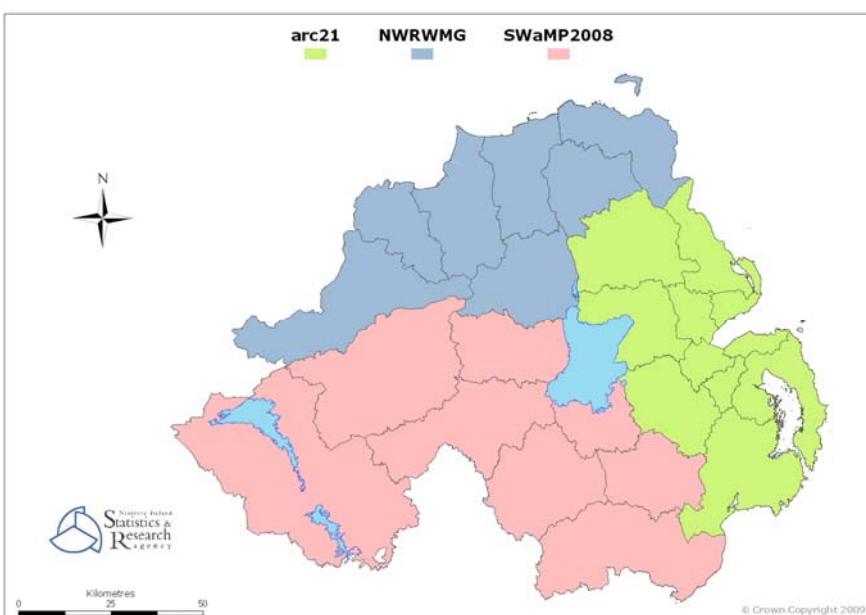
Introduction

This is the October - December 2009 Northern Ireland Municipal Waste Management Statistics report, providing figures on the tonnage of municipal waste collected and managed in Northern Ireland. Municipal waste is waste under the control or possession of a district council and includes household waste. WasteDataFlow (WDF) is the web based system for municipal waste data reporting by UK local authorities to government. The data in this report is based on returns made to the WDF by district councils at the end of the quarter.

In Northern Ireland, there are 26 district councils which are split into three waste management groups. Arc21 has the biggest population size with 54% of the population of Northern Ireland living in it followed by SWaMP2008 with 28% of the population and NWRWMG with 19% of the population. They are split as follows:

1. arc21 - Antrim, Ards, Ballymena, Belfast, Castlereagh, Carrickfergus, Down, Larne, Lisburn, Newtownabbey, North Down
2. North West Regional Waste Management Group (NWRWMG) - Ballymoney, Coleraine, Derry, Limavady, Magherafelt, Moyle, Strabane
3. Southern Waste Management Partnership (SWaMP2008) - Armagh, Banbridge, Cookstown, Craigavon, Dungannon, Fermanagh, Newry, Omagh

Map of the waste management groups in Northern Ireland



Quarterly provisional figures

This report contains summary information on nine key measurements of waste for the quarter for the three waste management groups in Northern Ireland. Some of these measurements are known as key performance indicators (KPIs), and where appropriate this is highlighted in the tables and charts. Key performance indicators are used to assess progress towards achieving waste strategy targets. The accompanying EXCEL tables contain a further breakdown of each of the key measurements by district council. All the figures in the report and the accompanying tables are quarterly figures only and refer to the current period. Comparative figures for the previous year are based on the most up-to-date figures available via WDF and may differ from previously published figures.

Statistical Note

This report has been prepared by the Northern Ireland Statistics and Research Agency (NISRA) along with NIEA. The data are provisional and may change when all returns have a completed validation at the end of the year. The data were downloaded from WDF on 31 March 2010. At that time, all the district councils had made a return, giving a 100% response rate. Please note the following throughout the report:

- Totals may not add up due to rounding.
- For figures less than 0.5 or 0.5%, the value recorded is '0'
- Recycling, composting and landfill figures may not add up to waste arisings as reuse figures not included
- Collected waste will not always equal sent waste e.g. due to contamination.

Please refer to the glossary for further clarification of the key terms and any further issues in relation to the data.

Quarterly provisional figures

As this is an environmental publication, no hard copies have been published. However, hard copies and alternative formats are available on request. Such requests and further queries on municipal waste statistics should be directed to Central Statistics and Research Branch (contact details below).

Central Statistics & Research Branch
Department for Regional Development
Clarence Court
10 -18 Adelaide Street
Belfast BT2 8GB
Email: csrb@drdni.gov.uk
Tel: 028 9054 0916

Municipal waste arisings

Figure 1 Municipal waste arisings by waste management group, KPI (j)

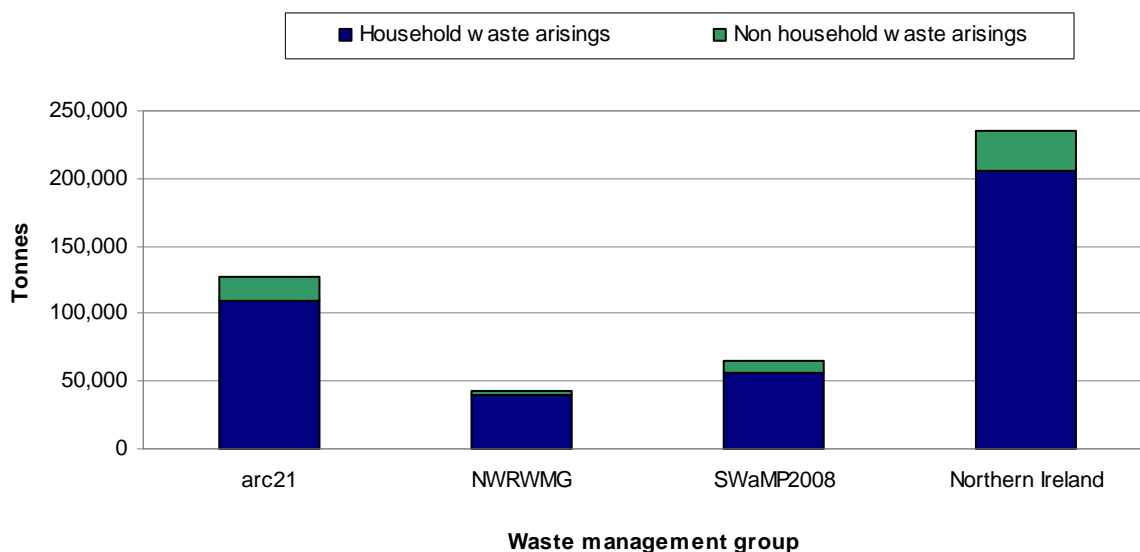


Table 1 Municipal waste arisings by waste management group, KPI (j)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Tonnes
Household waste arisings	109,187	39,457	56,791	205,435	
Non household waste arisings	17,849	3,654	7,745	29,248	
Total municipal waste arisings	127,036	43,111	64,536	234,683	
<i>Source: NIEA</i>					

- During the quarter, there were 234,683 tonnes of waste collected. Of this, 88% was household waste and 12% was non household waste.
- The biggest waste management group was arc21 which collected 54% of the overall municipal waste during this quarter.
- The amount of municipal waste arising fell by 1.6% this quarter compared to that for October - December 2008 (238,487).
- Tables A1 and A2 in the accompanying Excel document show a further breakdown of these figures by district council.

Municipal waste recycling and composting

Figure 2 Municipal waste sent for recycling and composting as a % of total municipal waste arisings by waste management group, KPI (e)

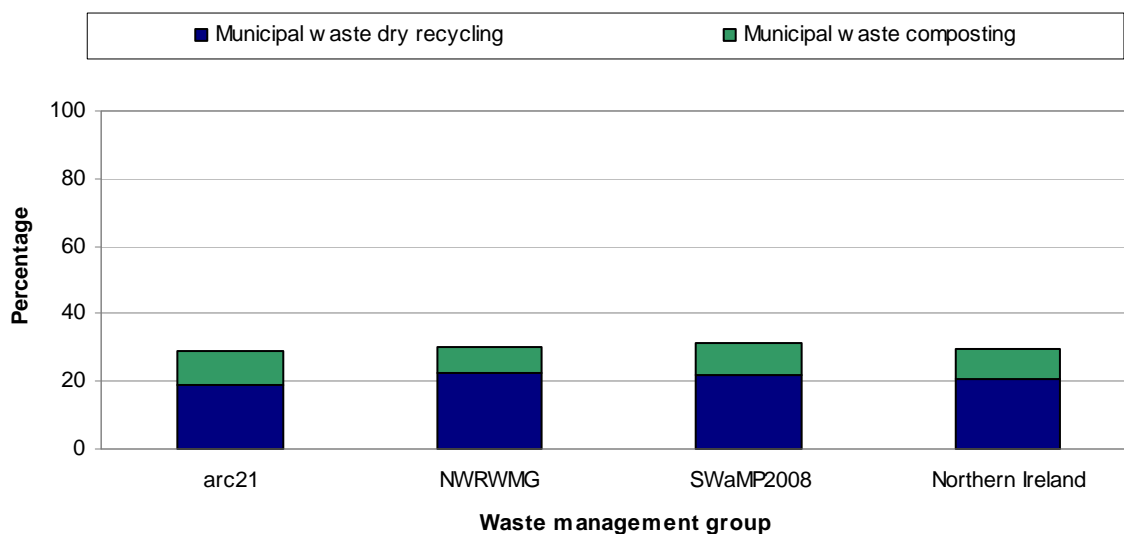


Table 2 Municipal waste sent for recycling and composting as a % of total municipal waste arisings by waste management group, KPI (e)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Percentage
Municipal waste dry recycling	19.0	22.5	21.9	20.5	
Municipal waste composting	10.0	7.6	9.4	9.4	
Municipal waste dry recycling and composting	29.1	30.1	31.3	29.9	
<i>Source: NIEA</i>					

- The percentage of municipal waste sent for recycling in this quarter was just over 20%, with the proportion sent for composting for the quarter just over 9%.
- The total proportion of municipal waste sent for recycling and composting in this quarter was 29.9%. This has risen by more than one percentage point compared to the October – December 2008 rate of 28.3%
- Tables A3 and A4 in the accompanying Excel document show a further breakdown of these figures by district council.

Municipal waste landfilled

Figure 3 Municipal waste landfilled as a % of total municipal waste arisings by waste management group, KPI (f)

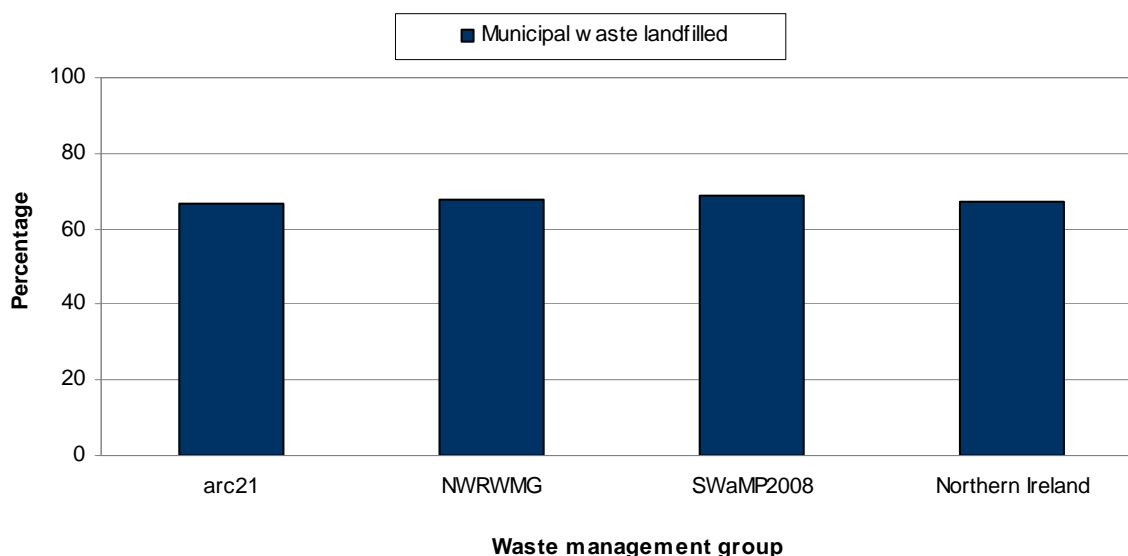


Table 3 Municipal waste landfilled as a % of total municipal waste arisings by waste management group, KPI (f)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Percentage
Municipal waste landfilled	66.7	67.7	68.6	67.4	
<i>Source: NIEA</i>					

- The total tonnage of municipal waste sent to landfill for this quarter was 158,181 tonnes.
- The percentage of municipal waste sent to landfill in the current quarter was 67.4%. This was almost four percentage points lower compared to that for October - December 2008 (71.3%).
- Tables A3 and A4 in the accompanying Excel document show a further breakdown of these figures by district council.

Municipal waste collected for recycling by material types

Figure 4 Municipal waste material types collected for recycling

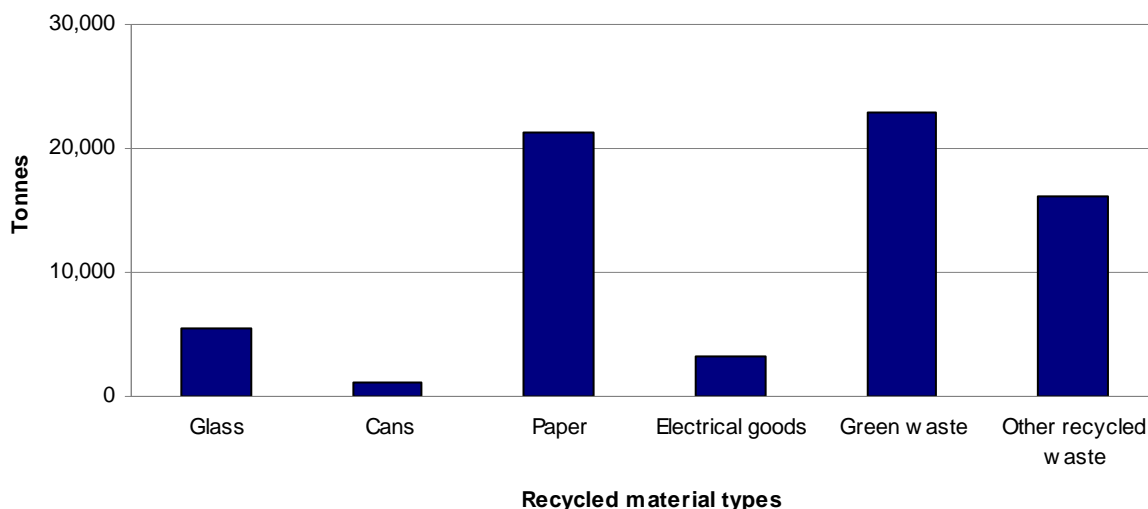


Table 4 Municipal waste material types collected for recycling by waste management group

	arc21	NWRWVG	SWaMP2008	Unit: Tonnes Northern Ireland
Glass	3,072	814	1,655	5,541
Cans	485	265	315	1,065
Paper	11,173	3,824	6,233	21,230
Electrical goods	1,849	547	887	3,282
Green waste	12,775	3,274	6,931	22,980
Other recycled waste	8,477	2,513	5,181	16,170
All recycled waste collected	37,831	11,237	21,202	70,269
<i>Source: NIEA</i>				

- Collected recycled waste is not always sent for recycling, e.g. due to contamination.
- During the quarter, 22,980 tonnes of green waste were collected which is 33% of the total recycled waste collected. In total, 21,230 (30%) tonnes of paper and 16,170 (23%) tonnes of other recycled waste were collected.
- Looking at the remaining material types, 8% of recycled waste collected was glass, 5% was electrical goods and 2% was cans.
- Tables A5, A6, A7 and A8 in the accompanying Excel document show a further breakdown of these figures by district council.

Municipal waste collected for disposal to landfill

Figure 5 Municipal waste collected for disposal to landfill

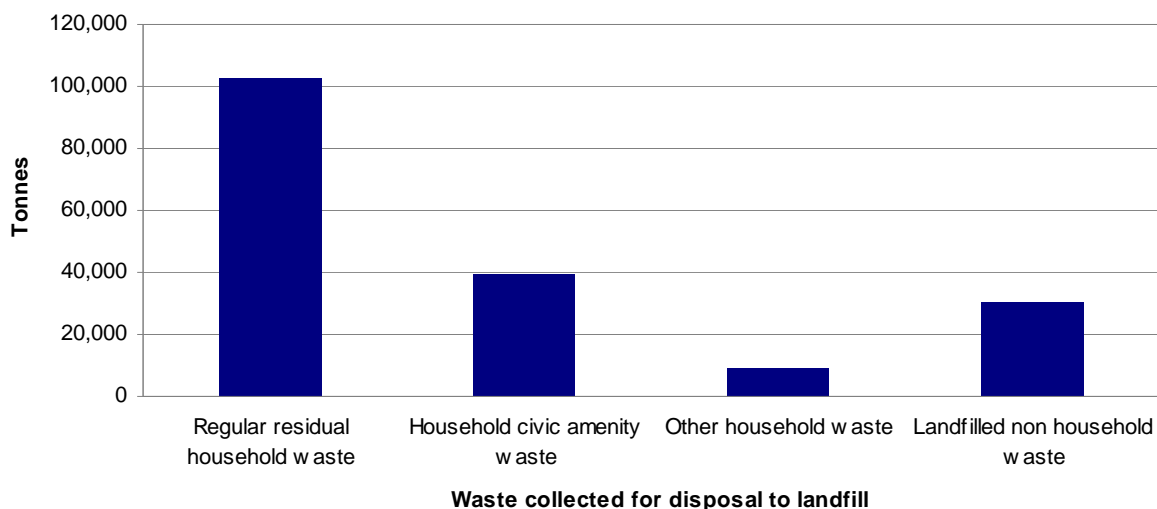


Table 5 Municipal waste collected for disposal to landfill by waste management group

	arc21	NWRWVG	SWaMP2008	Unit: Tonnes Northern Ireland
Regular residual household waste	54,162	19,194	25,812	99,168
Household civic amenity waste	13,653	7,496	9,163	30,312
Other household waste	6,361	1,899	2,142	10,402
Landfilled non household waste	15,029	3,253	6,217	24,499
All landfilled municipal waste	89,205	31,842	43,335	164,381
<i>Source: NIEA</i>				

- Waste collected for landfill may not always be sent to landfill, e.g. diverted for recycling.
- There were 164,381 tonnes of municipal waste collected for disposal to landfill.
- The majority of the landfill waste collected was from households (85%) with the remaining 15% collected from non households.
- Table A9 in the accompanying Excel document shows a further breakdown of these figures by district council.

Household waste recycling and composting

Figure 6 Household waste sent for recycling and composting as a % of household waste arisings by waste management group, KPI (a)

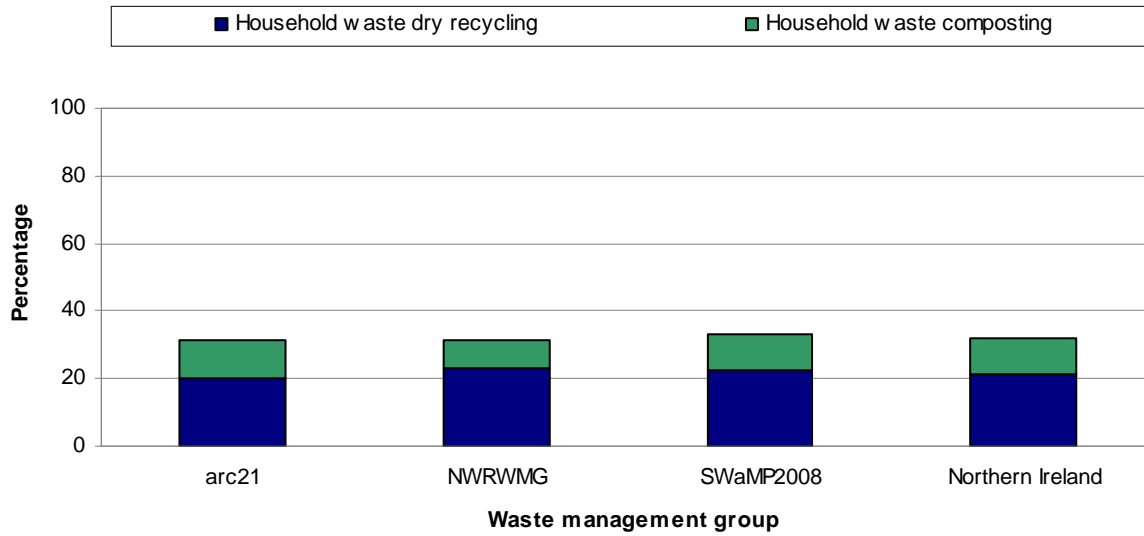


Table 6 Household waste sent for recycling and composting as a % of household waste arisings by waste management group, KPI (a)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Percentage
Household waste dry recycling	20.0	23.2	22.3	21.2	
Household waste composting	11.7	8.3	10.6	10.7	
Household waste dry recycling and composting	31.6	31.5	32.9	32.0	
<i>Source: NIEA</i>					

- The proportion of household waste sent for recycling in the current quarter was approximately 21%. The proportion of household waste sent for composting in the quarter was almost 11%.
- The total percentage of household waste sent for recycling and composting was 32.0%. This is a one percentage point increase on the October - December 2008 rate of 31.0%.
- Tables A10 and A11 in the accompanying Excel document show a further breakdown of these figures by district council.

Household waste landfilled

Figure 7 Household waste landfilled as a % of household waste arisings by waste management group, KPI (b)

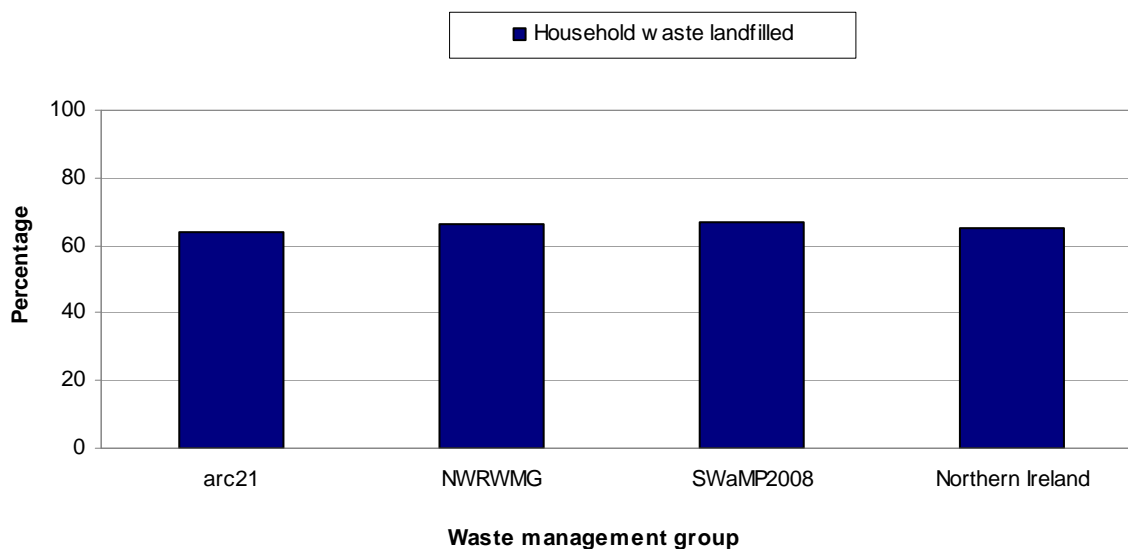


Table 7 Household waste landfilled as a % of household waste arisings by waste management group, KPI (b)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Percentage
Household waste landfilled	64.0	66.4	67.1	65.3	
<i>Source: NIEA</i>					

- The total tonnage of household waste sent for landfill for this quarter was 134,177 tonnes.
- The percentage of household waste sent to landfill was 65.3%. This is a reduction of more than three percentage points on the October - December 2008 value of (68.9%).
- Tables A10 and A11 in the accompanying Excel document show a further breakdown of these figures by district council.

Household waste arisings per capita

Figure 8 Household waste arisings per capita by waste management group, KPI (p)

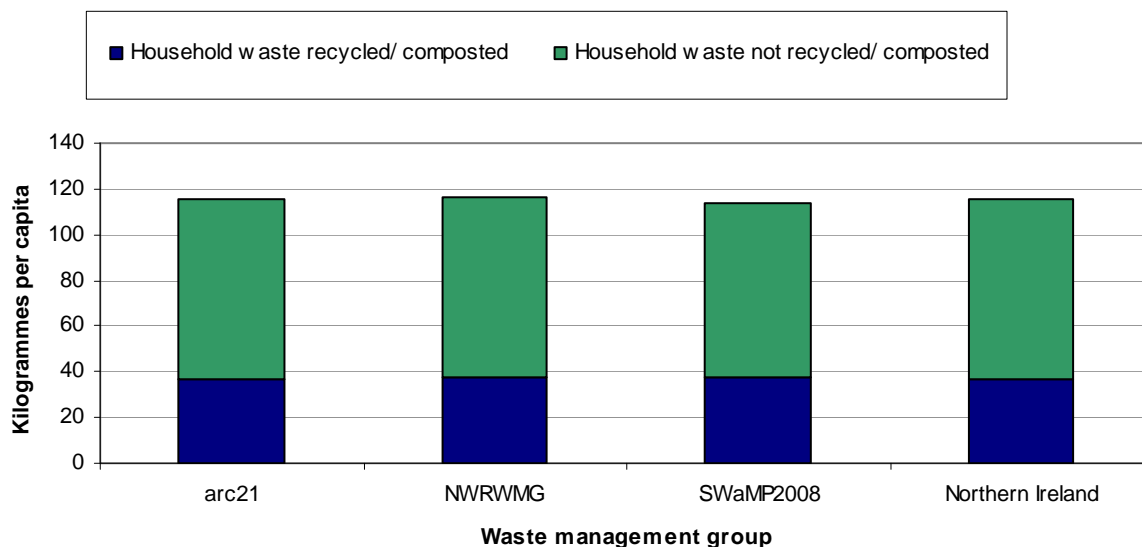


Table 8 Household waste arisings per capita by waste management group, KPI (p)

	Unit: Kilogrammes per capita			
	arc21	NWRWMG	SWaMP2008	Northern Ireland
Household waste recycled/ composted	37	38	37	37
Household waste not recycled/ composted	79	79	76	78
Household waste arisings	115	119	114	116
<i>Source: NIEA</i>				

- On average, there were 116 kilogrammes of household waste arisings collected per head of population in Northern Ireland.
- Of this, 32% was recycled/ composted and 68% was not recycled/composted.
- SWaMP2008 had the lowest household per capita (114kg/ca) and NWRWMG had the highest (119kg/ca).
- Tables A12 and A13 in the accompanying Excel document show a further breakdown of these figures by district council.

Biodegradable Municipal Waste (BMW) to landfill

Table 9 Biodegradable Municipal Waste (BMW) landfilled, KPI (g)

				Unit: Tonnes
	arc21	NWRWVG	SWaMP2008	Northern Ireland
BMW to landfill in quarter	52,905	18,022	25,977	96,904
09/10 allocation	251,880	89,283	128,837	470,000
% of annual allocation of BMW to landfill in quarter	21	20	20	21
<i>Source: NIEA</i>				

- Article 5(2) of the EC Landfill Directive (1999/31/EC)² requires member states to reduce the amount of Biodegradable Municipal Waste (BMW) sent to landfill, setting challenging targets. In order to ensure compliance with these targets, the amount of BMW sent to landfill is monitored.
- For 2009/10, the allocation of BMW sent to landfill for Northern Ireland is 470,000 tonnes.
- In total, 96,904 tonnes of BMW were sent to landfill during the quarter. This equates to 21% of the annual allocation.
- Tables A14 in the accompanying Excel document show a further breakdown of these figures by district council.

Quarterly provisional figures

Glossary

Biodegradable waste	Any waste that is capable of undergoing anaerobic decomposition, such as food and garden waste, and paper and paperboard.
Bring site	An unmanned site with a container or a collection of containers for depositing waste
Civic amenity site	A manned site for depositing waste
Kerbside	A regular collection of waste from premises
Composting rate	The percentage of waste sent for composting. It excludes waste collected for composting that was rejected at collection or during sorting. It includes residual waste which was diverted for composting.
Dry recycling rate	The percentage of waste sent for recycling. It excludes waste collected for recycling that was rejected at collection, during sorting or at the gate of the recycling reprocessor. It includes residual waste which was diverted for recycling. It excludes waste sent for reuse.
Household waste	Waste collected by the district council from household sources, i.e. domestic properties including residential and nursing homes.
Municipal non household waste	Waste collected by the district council from non household sources.
Municipal waste	Waste under the control or possession of a district council.
Recycled material types	
Glass	Brown, clear, green and mixed glass
Cans	Aluminium, mixed and steel cans
Paper	Books, card, mixed and paper
Electrical goods	Large and small domestic appliances, cathode rays, fluorescent tubes, fridges and freezers and batteries
Green waste	Green and other composting waste
Other waste	All other recycled material collected including plastics, wood, tyres, furniture, construction, oils and other materials.
Waste arisings	The amount of waste collected in a given locality over a period of time.
WasteDataFlow	The web based system for municipal waste data reporting by UK local authorities to government
Waste collected for disposal to landfill	
Regular residual household waste	Household regular collection
Household civic amenity waste	Household civic amenity collection
Other household waste	Healthcare waste, bulky waste, street cleaning and other household
Landfilled non household waste	Asbestos, beach cleansing, civic amenity sites waste, fly-tipped materials, gully emptyings, commercial & industrial, construction and demolition, grounds waste, highways waste, other collected waste and other
Waste sent to landfill	The percentage of waste sent to landfill. It excludes residual waste which was diverted for recycling or composting. It includes household waste collected for recycling or composting which was diverted to landfill.