



Department of the
Environment
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Northern Ireland Municipal Waste Management Statistics

January – March 2011 – provisional estimates



Quarterly provisional figures

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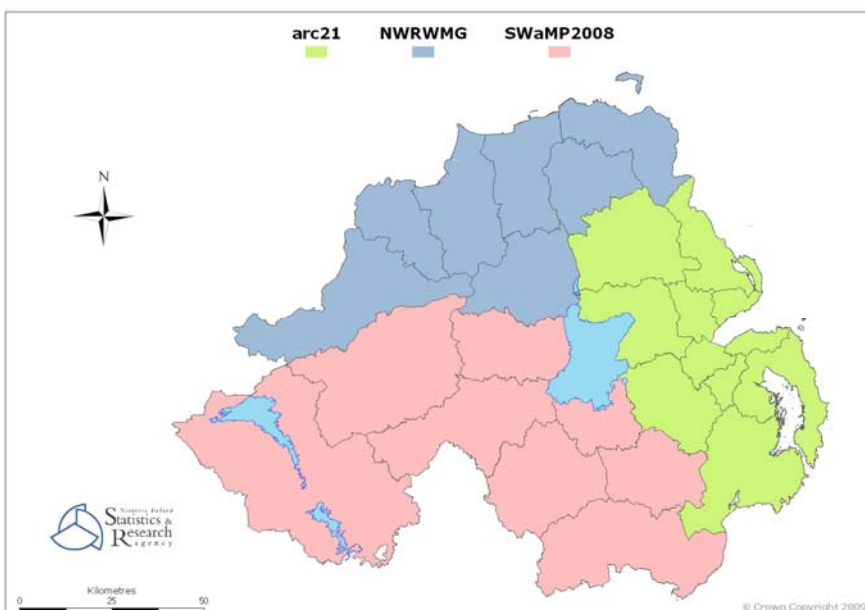
Introduction

This is the January – March 2011 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. This report is published on a quarterly basis to cover the periods April to June, July to September, October to December and January to March. It should be noted that the quarterly figures are based on provisional data. An annual report, with fully validated figures for 2010/11, will be published in December 2011.

In Northern Ireland, there are 26 district councils which are split into three waste management groups. Arc21 has the biggest population size with 53% of the population of Northern Ireland living in it followed by SWaMP2008 with 28% of the population and NWRWMG with 18% 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 municipal waste for the quarter, for the three waste management groups in Northern Ireland relating to waste arisings, recycling, composting and disposal. 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 30 June 2011. 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'
- The tonnages of recycled (including composted) and landfilled waste may not always equal the waste arisings because the recycling measures were defined to capture outputs from recovery processes which excludes reuse
- The tonnages of waste collected for recycling or disposal may not always equal the tonnages of waste sent to the same, because of contamination of recyclates and / or recovery from residual waste streams.
- As the data are derived from an administrative system, they provide a complete picture of district council controlled waste activity in NI and sampling errors associated with survey data are not, therefore, an issue.

Please refer to the glossary for further clarification of the key terms and the user information section for further information on quality of data used and guidance to assist with interpretation.

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 Analytical Services Branch (contact details below).

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Municipal waste arisings

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

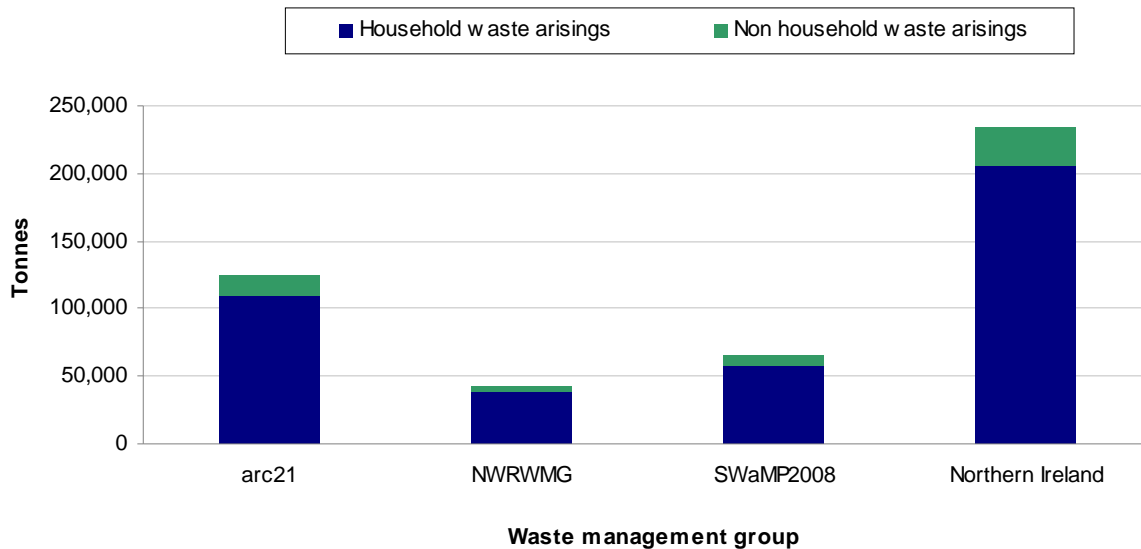


Table 1 Municipal waste arisings by waste management group, KPI (j)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Tonnes
Household waste arisings	108,770	39,056	58,321	206,148	
Non household waste arisings	15,658	4,570	7,140	27,368	
Total municipal waste arisings	124,428	43,626	65,461	233,516	
Source: NIEA					

- During the quarter, there were 233,516 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 53% of the overall municipal waste during this quarter.
- The amount of municipal waste arising increased by 2.6% this quarter compared to that for January – March 2010 (227,555).
- 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)

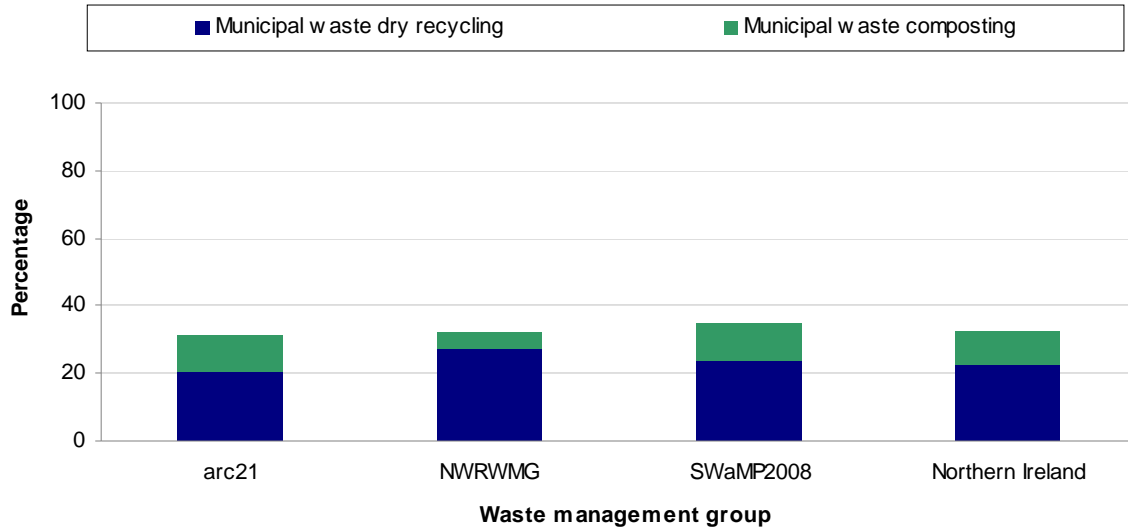


Table 2 Municipal waste sent for recycling and composting as a % of total municipal waste arisings by waste management group, KPI (e)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Percentage
Municipal waste dry recycling	20.4	27.0	23.9	22.6	
Municipal waste composting	11.0	5.0	11.2	9.9	
Municipal waste dry recycling and composting	31.4	32.0	35.1	32.5	
Source: NIEA					

- The percentage of municipal waste sent for recycling in this quarter was 22.6%, with the proportion sent for composting for the quarter equalling 9.9%.
- The total proportion of municipal waste sent for recycling and composting in this quarter was 32.5%. This is a rise of 3.2 percentage points compared to the January – March 2010 rate of 29.3%
- 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)

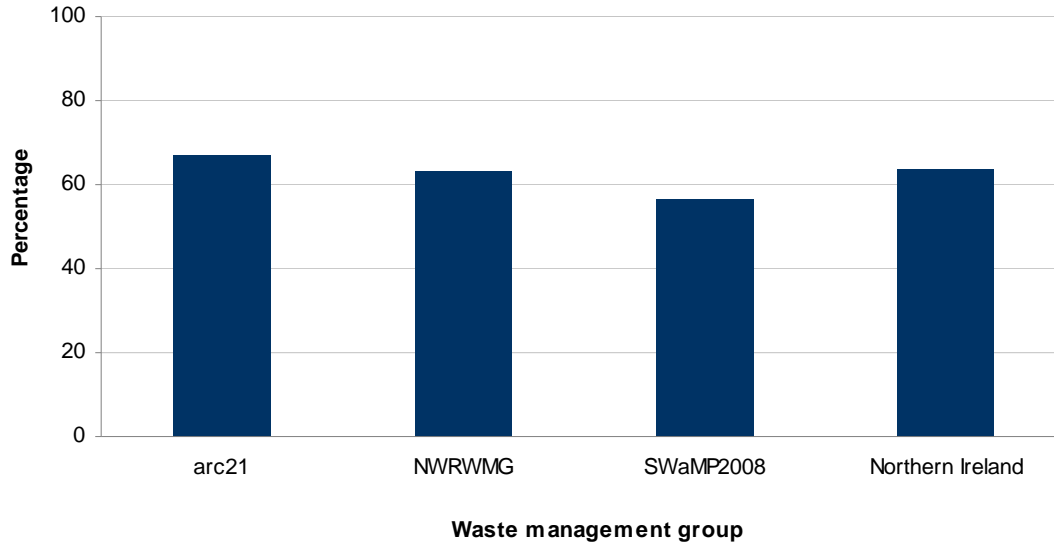


Table 3 Municipal waste landfilled as a % of total municipal waste arisings by waste management group, KPI (f)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Percentage
Municipal waste landfilled	67.3	63.3	56.9	63.6	
Source: NIEA					

- The total tonnage of municipal waste sent to landfill for this quarter was 148,564 tonnes.
- The percentage of municipal waste sent to landfill in the current quarter was 63.6%. This was 5.6 percentage points lower compared to that for January – March 2010 (69.2%).
- 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

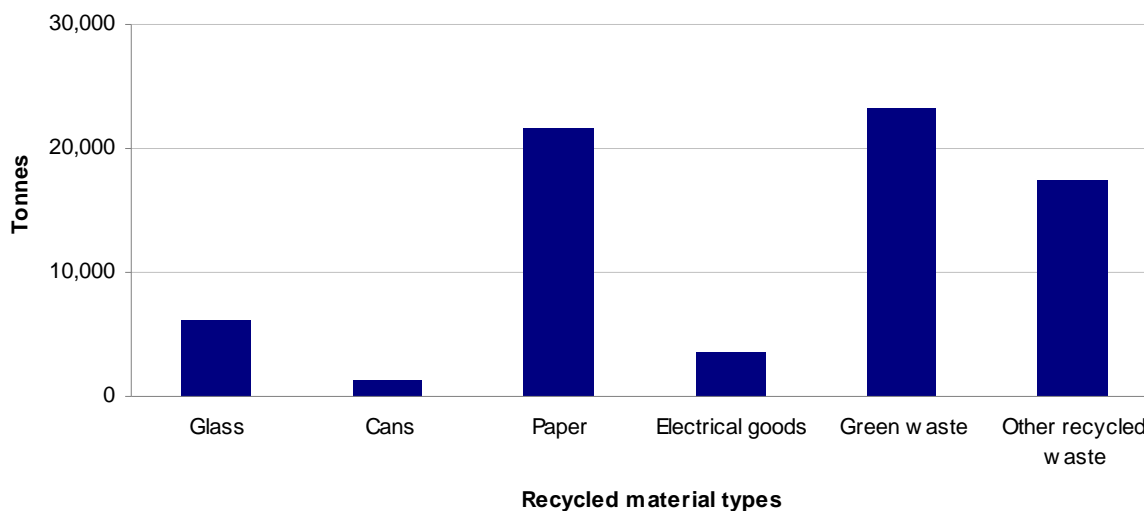


Table 4 Municipal waste material types collected for recycling by waste management group

	arc21	NWRWGMG	SWaMP2008	Unit: Tonnes Northern Ireland
Glass	3,420	894	1,750	6,064
Cans	683	286	336	1,306
Paper	10,560	4,042	6,977	21,579
Electrical goods	2,041	553	957	3,551
Green waste	13,693	2,172	7,324	23,189
Other recycled waste	8,784	2,980	5,679	17,443
All recycled waste collected	39,182	10,927	23,023	73,131
Source: NIEA				

- Collected recycled waste is not always sent for recycling due to contamination of recyclates.
- During the quarter, 23,189 tonnes of green waste were collected which is 32% of the total recycled waste collected. In total, 21,579 (30%) tonnes of paper and 17,443 (24%) 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

Figure 5 Municipal waste collected for disposal

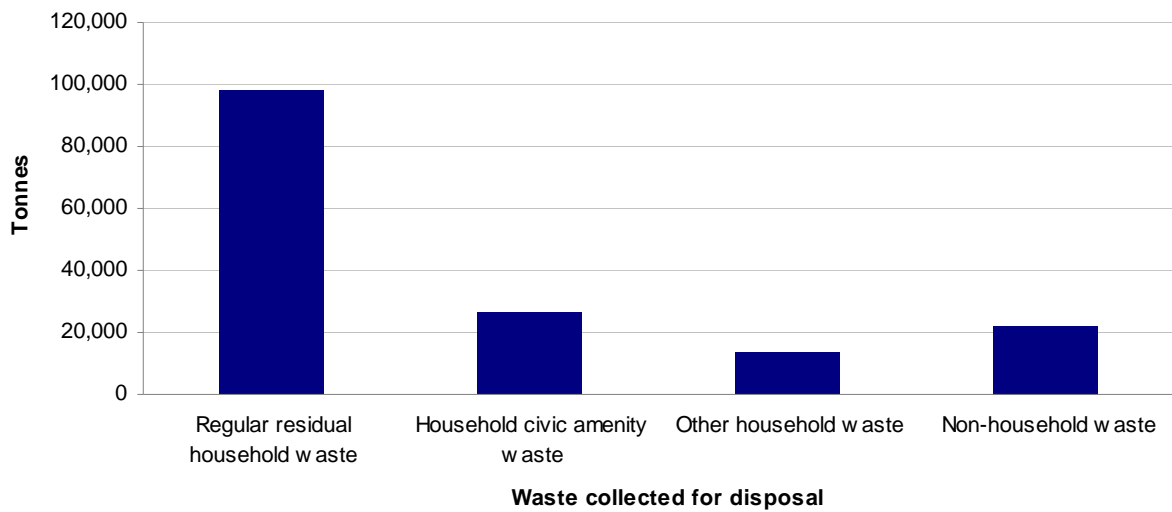


Table 5 Municipal waste collected for disposal by waste management group

	arc21	NWRWVG	SWaMP2008	Unit: Tonnes Northern Ireland
Regular residual household waste	52,632	19,479	26,069	98,180
Household civic amenity waste	12,292	6,152	7,995	26,438
Other household waste	7,644	2,988	2,870	13,502
Non-household waste	12,679	4,059	5,505	22,242
All municipal waste collected for disposal	85,247	32,678	42,439	160,363
Source: NIEA				

- Waste collected for disposal may not always be sent to landfill because of recovery from residual waste streams.
- There were 160,363 tonnes of municipal waste collected for disposal.
- The majority of the waste collected for disposal was from households (86%) with the remaining 14% 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)

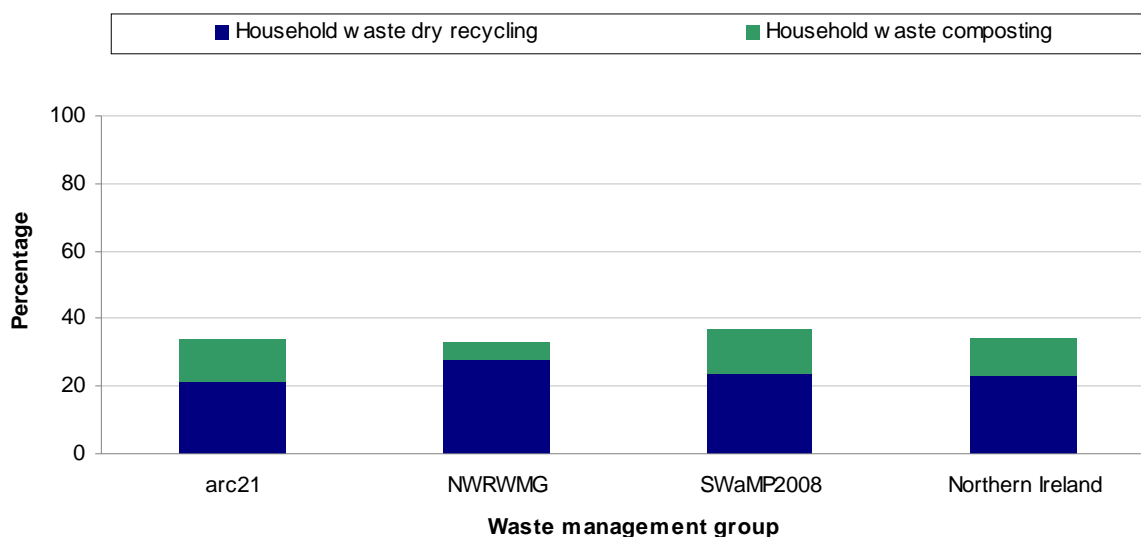


Table 6 Household waste sent for recycling and composting as a % of household waste arisings by waste management group, KPI (a)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Percentage
Household waste dry recycling	21.2	27.7	23.9	23.2	
Household waste composting	12.4	5.6	12.6	11.2	
Household waste dry recycling and composting	33.6	33.3	36.5	34.4	
Source: NIEA					

- The proportion of household waste sent for recycling in the current quarter was 23.2%. The proportion of household waste sent for composting in the quarter was 11.2%.
- The total percentage of household waste sent for recycling and composting was 34.4%. This is an increase of 3.3 percentage points on the January – March 2010 figure of 31.1%.
- 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)

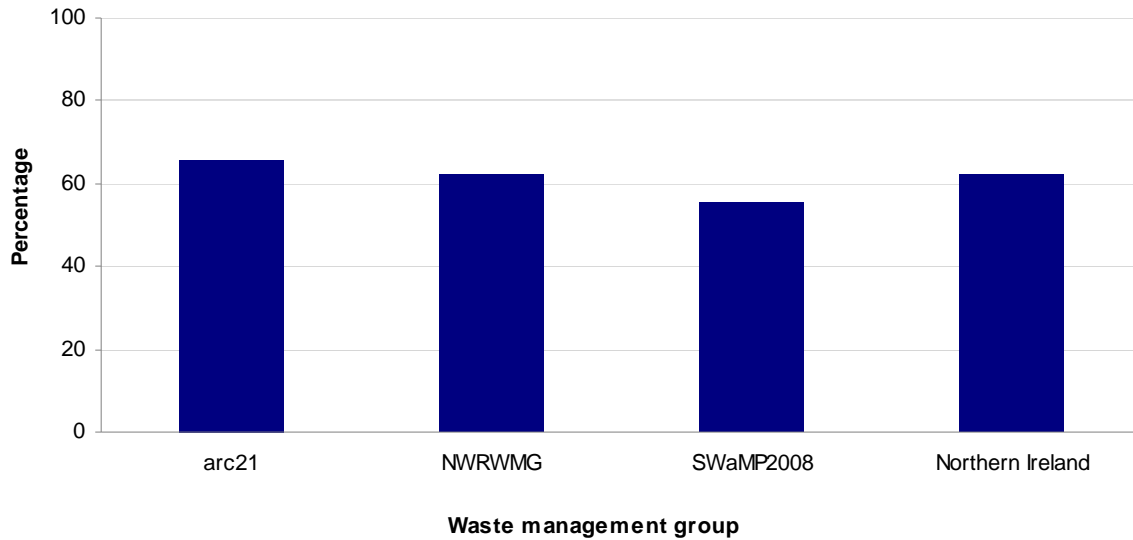


Table 7 Household waste landfilled as a % of household waste arisings by waste management group, KPI (b)

	arc21	NWRWMG	SWaMP2008	Northern Ireland	Unit: Percentage
Household waste landfilled	65.6	62.2	55.7	62.1	
Source: NIEA					

- The total tonnage of household waste sent to landfill for this quarter was 128,088 tonnes.
- The percentage of household waste sent to landfill in the current quarter was 62.1%. This is 5.5 percentage points lower compared to that for January – March 2010 (67.6%).
- 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)

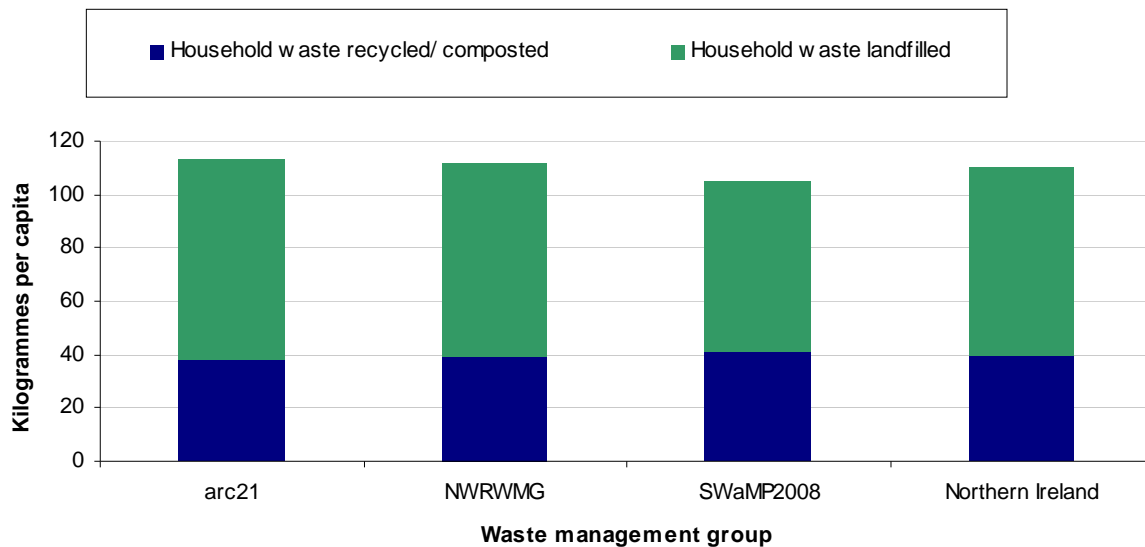


Table 8 Household waste arisings per capita by waste management group, KPI (p)

	Unit: Kilogrammes per capita			
	arc21	NWRWMG	SWaMP2008	Northern Ireland
Household waste recycled/ composted	38	39	42	39
Household waste landfilled	75	73	64	71
Household waste arisings	114	117	114	115

Source: NIEA, NISRA Mid-Year Populations Estimates 2010

- On average, there were 115 kilogrammes of household waste arisings collected per head of population in Northern Ireland. Of this, 34% was recycled / composted and 62% was landfilled, with the balance being largely accounted for by re-use.
- NWRWMG had the highest household waste arisings per capita at 117 kg/ca, with 114 kg of household waste arisings collected per head of population in both arc21 and SWaMP2008. arc21 had the highest amount of waste landfilled (75 kg/ca), whilst SWaMP2008 had the highest amount recycled / composted (42 kg/ca).
- Tables A12 in the accompanying Excel document shows a further breakdown of these figures by district council, and Table A13 provides a breakdown of household waste arisings per household, KPI (h).

Biodegradable Municipal Waste (BMW) to landfill

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

	arc21	NWRWMG	SWaMP2008	Unit: Tonnes Northern Ireland
BMW to landfill in quarter	49,366	17,304	21,606	88,276
10/11 allocation	251,256	89,460	129,221	469,937
% of annual allocation of BMW to landfill in quarter	19.6	19.3	16.7	18.8
% of annual allocation of BMW to landfill in year-to-date	76.3	78.2	67.3	74.2
Source: NIEA				

- 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 2010/11, the allocation of BMW sent to landfill for Northern Ireland is 469,937 tonnes. In the year-to-date, 74.2% of the annual allocation has been used but this is subject to change pending the potential transfer of allowances and further year-end validations.
- In total, 88,276 tonnes of BMW were sent to landfill during this quarter. This equates to 18.8% of the annual allocation.
- Tables A14 in the accompanying Excel document show a further breakdown of these figures by district council.

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 recyclable 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 (www.wastedataflow.org)
Waste collected for disposal	
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 amount 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.
Key Performance Indicators (KPIs)	A set of measures used to gauge performance in terms of meeting waste strategy targets.

User Information

This section contains some information about the quality of the data used in the Northern Ireland Municipal Waste Management Statistics Report including guidance to assist with interpretation.

Description of the data

Data used in this report and the accompanying Excel tables are taken from WasteDataFlow (WDF), a web based system for municipal waste reporting by UK local authorities for government. The Excel tables provide users with flexibility to work with data and / or to combine it with other sources. The data are based on returns made to WDF (relating to approximately 40 questions on municipal waste management) by district councils within two months of the end of each quarter.

Population data used to calculate KPI(p), Household waste arisings per capita, (see appendix Table A12) are taken from the 2010 mid-year population estimates that are produced by NISRA, and are the most up-to-date available. Household data used to calculate KPI(h), Household waste arisings per household (see appendix Table A13), are based on the number of households at the 2001 Northern Ireland Census plus quarterly housing completion figures (up to September 2010) provided by the Department for Social Development.

Data Quality Assessment

High quality data are derived from WDF with full coverage for all district councils and incorporating various validation checks. As the data are derived from an administrative system, they provide a complete picture of district council controlled waste activity in NI and sampling errors associated with survey data are not, therefore, an issue. Validations are conducted for each individual question, with additional global validations carried out to ensure that total tonnage of waste types is equal to the sum of the component parts. Any discrepancies are queried with the data provider. Variance checks are employed as an integral part of the production process. Both large and very small discrepancies between the current and preceding quarter as well as the corresponding quarter from the previous year are all queried with the data provider.

Redefinition of Municipal Waste

Following discussions with the European Commission relating to the amount of biodegradable municipal waste diverted from landfill (see KPI(g) in this report) the UK has agreed to revise its

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interpretation of municipal waste. The revised interpretation, which will bring the UK more closely into line with the approach understood to be taken by other Member States, will mean that much more commercial and industrial waste than previously will fall within the scope of the term 'municipal waste'. This is because the new definition is proposed to be based on waste types (as defined by European Waste Catalogue codes) rather than who manages the waste (i.e. district council) as is presently the case. The implications of this change of definition was the subject of an open public consultation held by the Department of Environment in Northern Ireland between 25 June and 8 October 2010 following an earlier similar consultation by DEFRA for England and Wales. The consultation responses in these countries are currently being considered with the aim of producing specific policy proposals. Further information on responses to the DOE consultation paper can be found at:

http://www.doeni.gov.uk/summary_of_ni_responses_to_the_consultation_paper_on_meeting_eu_landfill_diversion_targets.pdf

This report has retained the reference to municipal waste in the release title and contents to maintain consistency with previous releases. However, in due course municipal waste will be renamed to reflect that the publication reports on district council collected municipal waste only. This change in definition will have no impact on the WDF data that is reported.

Guidance on using the data

- All figures in the report and the accompanying Excel tables are quarterly figures only and refer to the stated period. These quarterly figures are the best available at the time of publication however they are subject to change following further validation activities such as audits. If finalised figures are required by the user then those from the latest annual municipal waste management report should be used, bearing in mind they may not necessarily reflect the situation this year.

The latest annual report (2009/10) is available via the following link:
http://www.doeni.gov.uk/northern_ireland_municipal_waste_management_statistics_annual_report_2009-10.pdf

- Despite the intensive validation carried out on the data prior to publication, any administrative system will always be open to a degree of clerical error. In addition, and as previously noted, data are not finalised until the production of the annual report. For these reasons, very small

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increases or decreases in figures (< 0.5%) are not highlighted in the commentary and should be interpreted with care.

- Some of the data in this publication are seasonal, such as composting tonnages. Therefore it is more appropriate to compare current quarter data with that from the same quarter of the previous year rather than the previous quarter.
- Comparative figures for the previous year are based on the most current figures available from WDF and may differ from those previously published.
- The tonnages of recycled (including composted) and landfilled waste may not always equal the waste arisings because the recycling measures were defined to capture outputs from recovery processes which excludes reuse.
- The tonnages of waste collected for recycling or disposal may not always equal the tonnages of waste sent to the same, because of contamination of recyclates and / or recovery from residual waste streams.
- Whilst tonnages may be summed over District Councils and / or Waste Management Group to give totals for higher level geographies such totals may suffer from rounding errors when compared to any given totals.
- However where fractions or proportions, such as recycling rates, waste arisings per capita etc are stated for District Councils and / or Waste Management Groups, these indicators cannot be simply added or averaged to produce a rate for a higher level geography. However such information may be available on request.
- 'Towards Resource Management: The NI Waste Management Strategy 2006-2020' sets out targets for the management of municipal waste. The quarterly reports provide provisional information on several key performance indicators (KPIs) used to assess progress towards achieving municipal waste targets.

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Feedback

Provisional quarterly data is now published on a regular basis. In order to inform future work we would welcome feedback from users on the published results. Comments may be sent to:

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Web links

Municipal Waste information for England
<http://www.defra.gov.uk/statistics/environment/waste/>

Municipal waste information for Scotland
www.sepa.org.uk/waste/waste_data/municipal_waste.aspx

Municipal waste information for Wales
http://wales.gov.uk/topics/environmentcountryside/epq/waste_recycling/bysector/municipal/?lang=en

Municipal waste information for Northern Ireland
http://www.doeni.gov.uk/niea/waste-home/municipal_data_reporting.htm

Northern Ireland Waste Management Strategy 2006 to 2020
<http://www.doeni.gov.uk/niea/wms.17.pdf>

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www.doeni.gov.uk/index/information/csrb.htm

Northern Ireland Municipal Waste Management Statistics

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Note: This is a presentation of municipal waste statistics afforded by the quarterly reporting to WasteDataFlow. For 2010/11 the data are provisional and the final figures will be released in December 2011, taking into account data revisions and provision of missing data.

Table A1: Municipal waste arisings, KPI(j), by type by district council

Unit: Tonnage

Area	Household waste arisings	Non household waste arisings	Municipal waste arisings
arc21			
Antrim	7,011	965	7,976
Ards	9,659	872	10,531
Ballymena	7,203	722	7,925
Belfast	30,074	6,275	36,349
Carrickfergus	4,495	991	5,486
Castlereagh	6,973	444	7,417
Down	7,555	674	8,228
Larne	3,848	752	4,600
Lisburn	13,222	1,287	14,509
Newtownabbey	9,532	710	10,241
North Down	9,199	1,966	11,165
All arc21	108,770	15,658	124,428
NWRWMG			
Ballymoney	3,271	427	3,698
Coleraine	7,321	957	8,278
Derry	12,591	1,461	14,053
Limavady	4,131	211	4,342
Magherafelt	5,055	736	5,791
Moyle	2,028	277	2,305
Strabane	4,659	501	5,160
All NWRWMG	39,056	4,570	43,626
SWaMP2008			
Armagh	6,519	854	7,374
Banbridge	6,381	541	6,922
Cookstown	4,407	764	5,171
Craigavon	10,474	1,148	11,621
Dungannon	7,077	497	7,575
Fermanagh	7,182	1,206	8,387
Newry and Mourne	10,406	1,568	11,974
Omagh	5,875	562	6,437
All SWaMP2008	58,321	7,140	65,461
Northern Ireland	206,148	27,368	233,516

Source: NIEA

Table A2: Municipal waste arisings, KPI(j), by collection method by district council

Area	Kerbside	Civic amenity site	Bring site	Other method	Unit: Tonnage Municipal waste arisings
arc21					
Antrim	4,466	3,073	39	398	7,976
Ards	6,492	3,528	164	347	10,531
Ballymena	5,629	1,744	74	479	7,925
Belfast	27,026	5,513	232	3,579	36,349
Carrickfergus	3,701	1,656	47	82	5,486
Castlereagh	5,522	1,322	59	514	7,417
Down	5,839	1,645	260	485	8,228
Larne	2,821	1,101	72	607	4,600
Lisburn	10,369	3,450	154	537	14,509
Newtownabbey	8,077	1,558	14	593	10,241
North Down	7,517	2,907	224	517	11,165
All arc21	87,457	27,495	1,339	8,137	124,428
NWRWMG					
Ballymoney	2,580	768	54	296	3,698
Coleraine	4,918	2,623	95	642	8,278
Derry	9,556	3,263	117	1,117	14,053
Limavady	3,026	1,078	43	195	4,342
Magherafelt	4,013	1,579	28	170	5,791
Moyle	1,576	679	50	0	2,305
Strabane	3,744	985	112	319	5,160
All NWRWMG	29,413	10,975	499	2,739	43,627
SWaMP2008					
Armagh	4,936	2,145	50	242	7,374
Banbridge	4,203	2,360	18	341	6,922
Cookstown	2,979	1,616	85	491	5,171
Craigavon	7,903	2,793	137	788	11,621
Dungannon	5,228	1,752	83	512	7,575
Fermanagh	5,559	2,246	116	466	8,387
Newry and Mourne	7,792	3,066	212	903	11,974
Omagh	4,060	2,129	99	149	6,437
All SWaMP2008	42,659	18,107	802	3,893	65,461
Northern Ireland	159,530	56,577	2,640	14,769	233,516

Source: NIEA

Table A3: Tonnage of municipal waste sent for recycling, composting and landfill by district council

Unit: Tonnage

Area	Municipal waste dry recycling	Municipal waste composting	Municipal waste dry recycling and composting	Municipal waste landfilled	Municipal waste arisings
arc21					
Antrim	2,027	1,363	3,390	4,449	7,976
Ards	2,181	1,297	3,478	7,019	10,531
Ballymena	1,573	703	2,276	5,649	7,925
Belfast	6,145	2,521	8,666	27,150	36,349
Carrickfergus	1,430	584	2,013	3,472	5,486
Castlereagh	1,734	1,168	2,902	4,444	7,417
Down	1,664	645	2,308	5,888	8,228
Larne	1,133	529	1,663	2,852	4,600
Lisburn	3,018	1,959	4,977	9,474	14,509
Newtownabbey	2,106	1,645	3,751	6,409	10,241
North Down	2,391	1,277	3,668	6,918	11,165
All arc21	25,402	13,690	39,093	83,722	124,428
NWRWMG					
Ballymoney	778	185	962	2,678	3,698
Coleraine	2,055	502	2,557	5,216	8,278
Derry	3,763	195	3,958	10,095	14,053
Limavady	1,067	106	1,173	2,859	4,342
Magherafelt	1,989	1,030	3,019	1,875	5,791
Moyle	685	86	771	1,533	2,305
Strabane	1,442	68	1,510	3,342	5,160
All NWRWMG	11,778	2,172	13,950	27,598	43,626
SWaMP2008					
Armagh	1,866	944	2,810	3,869	7,374
Banbridge	1,476	1,728	3,204	3,690	6,922
Cookstown	1,079	786	1,865	3,272	5,171
Craigavon	3,528	1,093	4,621	2,932	11,621
Dungannon	1,718	931	2,649	4,856	7,575
Fermanagh	1,957	412	2,369	5,995	8,387
Newry and Mourne	2,498	831	3,329	8,482	11,974
Omagh	1,507	598	2,106	4,148	6,437
All SWaMP2008	15,629	7,324	22,953	37,244	65,461
Northern Ireland	52,809	23,186	75,996	148,564	233,516

Source: NIEA

Note: The tonnages of recycled (including composted) and landfilled waste may not always equal the waste arisings because the recycling measures were defined to capture outputs from recovery processes which excludes reuse.

Table A4: Percentage of municipal waste sent for recycling, composting, KPI(e), and landfill, KPI(f), by district council*

Unit: Percentage

Area	Municipal waste dry recycling	Municipal waste composting	Municipal waste dry recycling and composting	Municipal waste landfilled
arc21				
Antrim	25.4	17.1	42.5	55.8
Ards	20.7	12.3	33.0	66.7
Ballymena	19.8	8.9	28.7	71.3
Belfast	16.9	6.9	23.8	74.7
Carrickfergus	26.1	10.6	36.7	63.3
Castlereagh	23.4	15.8	39.1	59.9
Down	20.2	7.8	28.1	71.6
Larne	24.6	11.5	36.1	62.0
Lisburn	20.8	13.5	34.3	65.3
Newtownabbey	20.6	16.1	36.6	62.6
North Down	21.4	11.4	32.9	62.0
All arc21	20.4	11.0	31.4	67.3
NWRWMG				
Ballymoney	21.0	5.0	26.0	72.4
Coleraine	24.8	6.1	30.9	63.0
Derry	26.8	1.4	28.2	71.8
Limavady	24.6	2.4	27.0	65.8
Magherafelt	34.3	17.8	52.1	32.4
Moyle	29.7	3.7	33.5	66.5
Strabane	27.9	1.3	29.3	64.8
All NWRWMG	27.0	5.0	32.0	63.3
SWaMP2008				
Armagh	25.3	12.8	38.1	52.5
Banbridge	21.3	25.0	46.3	53.3
Cookstown	20.9	15.2	36.1	63.3
Craigavon	30.4	9.4	39.8	25.2
Dungannon	22.7	12.3	35.0	64.1
Fermanagh	23.3	4.9	28.2	71.5
Newry and Mourne	20.9	6.9	27.8	70.8
Omagh	23.4	9.3	32.7	64.4
All SWaMP2008	23.9	11.2	35.1	56.9
Northern Ireland	22.6	9.9	32.5	63.6

Source: NIEA

* Calculated by dividing total tonnage of municipal waste sent for recycling, composting and landfill by total municipal waste arisings

Note: The percentage of recycled (including composted) and landfilled waste may not always equal the waste arisings because the recycling measures were defined to capture outputs from recovery processes which excludes reuse.

Table A5: Municipal waste material types collected for recycling by district council*

Unit: Tonnes

Area	Glass	Cans	Paper	Electrical goods	Green waste	Other recycled waste	All recycled materials collected
arc21							
Antrim	112	33	552	145	1,363	1,146	3,351
Ards	281	60	958	187	1,297	664	3,447
Ballymena	268	42	641	83	703	539	2,276
Belfast	712	167	2,763	595	2,521	1,581	8,339
Carrickfergus	231	33	337	68	584	760	2,013
Castlereagh	331	59	743	112	1,168	478	2,891
Down	306	49	799	138	645	347	2,283
Larne	133	25	448	87	529	497	1,718
Lisburn	211	79	1,341	247	1,959	1,103	4,940
Newtownabbey	502	74	883	177	1,645	471	3,751
North Down	333	63	1,095	204	1,280	1,199	4,173
All arc21	3,420	683	10,560	2,041	13,693	8,784	39,182
NWRWMG							
Ballymoney	63	26	346	52	185	252	923
Coleraine	183	54	753	108	502	580	2,180
Derry	323	89	1,225	212	195	946	2,990
Limavady	66	25	459	37	106	263	956
Magherafelt	85	40	565	80	1,030	506	2,306
Moyle	44	13	174	24	86	94	435
Strabane	131	39	520	41	68	339	1,137
All NWRWMG	894	286	4,042	553	2,172	2,980	10,927
SWaMP2008							
Armagh	297	47	557	88	944	826	2,759
Banbridge	296	36	474	114	1,728	584	3,232
Cookstown	96	25	554	66	786	377	1,905
Craigavon	195	44	1,394	187	1,093	855	3,768
Dungannon	113	46	960	96	931	1,085	3,231
Fermanagh	311	55	868	124	412	713	2,483
Newry and Mourne	280	51	1,449	176	831	704	3,491
Omagh	161	32	721	106	598	534	2,152
All SWaMP2008	1,750	336	6,977	957	7,324	5,679	23,023
Northern Ireland	6,064	1,306	21,579	3,551	23,189	17,443	73,131

Source: NIEA

* Includes waste collected at civic amenity sites, bring sites, kerbside, street recycling bins & other recycling schemes

Table A6: Municipal waste material types collected at kerbside for recycling by district council

Unit: Tonnes

Area	Glass	Cans	Paper	Electrical goods	Green waste	Other recycled waste	All recycled materials collected
arc21							
Antrim	0	31	510	0	764	54	1,359
Ards	0	58	904	0	918	102	1,982
Ballymena	236	41	542	0	446	76	1,341
Belfast	272	160	2,422	0	1,900	295	5,049
Carrickfergus	203	33	298	0	511	61	1,105
Castlereagh	234	57	658	8	1,031	108	2,095
Down	0	47	765	20	355	82	1,268
Larne	33	24	407	0	378	42	885
Lisburn	0	78	1,269	0	1,633	135	3,115
Newtownabbey	446	72	819	0	1,184	134	2,655
North Down	0	62	1,014	0	919	108	2,102
All arc21	1,425	662	9,606	28	10,037	1,198	22,956
NWRWMG							
Ballymoney	0	25	322	0	0	88	435
Coleraine	0	52	666	0	0	271	988
Derry	98	86	1,103	0	0	305	1,592
Limavady	0	25	347	0	0	135	507
Magherafelt	2	39	500	0	663	136	1,339
Moyle	0	13	171	0	0	47	231
Strabane	19	37	476	0	0	129	661
All NWRWMG	119	279	3,584	0	663	1,110	5,755
SWaMP2008							
Armagh	243	45	365	1	649	94	1,396
Banbridge	182	34	274	0	1,193	63	1,746
Cookstown	0	25	472	0	144	142	783
Craigavon	0	44	1,283	0	616	257	2,200
Dungannon	0	46	884	0	608	233	1,770
Fermanagh	191	55	856	0	0	404	1,506
Newry and Mourne	0	48	1,311	0	407	296	2,062
Omagh	0	31	565	0	231	157	984
All SWaMP2008	616	327	6,010	1	3,847	1,646	12,447
Northern Ireland	2,160	1,268	19,200	30	14,546	3,955	41,158

Source: NIEA

Table A7: Municipal waste material types collected at civic amenity sites for recycling by district council

Unit: Tonnes

Area	Glass	Cans	Paper	Electrical goods	Green waste	Other recycled waste	All recycled materials collected
arc21							
Antrim	83	1	42	145	599	1,082	1,952
Ards	123	2	54	187	379	556	1,301
Ballymena	0	0	71	83	257	451	861
Belfast	282	6	295	595	526	1,257	2,961
Carrickfergus	7	0	20	68	73	692	861
Castlereagh	49	1	83	104	138	362	737
Down	55	1	34	117	273	256	737
Larne	33	0	41	87	142	449	753
Lisburn	77	1	62	247	327	958	1,672
Newtownabbey	45	1	63	177	429	335	1,050
North Down	117	0	75	204	361	1,090	1,846
All arc21	871	14	840	2,013	3,504	7,488	14,731
NWRWMG							
Ballymoney	17	0	22	52	185	159	434
Coleraine	99	1	79	108	502	307	1,096
Derry	112	2	122	212	195	637	1,280
Limavady	27	0	112	37	106	124	406
Magherafelt	61	0	66	80	367	364	939
Moyle	4	0	0	24	86	40	154
Strabane	27	0	25	41	68	203	364
All NWRWMG	347	3	426	553	1,509	1,834	4,673
SWaMP2008							
Armagh	43	2	154	88	295	731	1,312
Banbridge	114	2	199	114	535	475	1,439
Cookstown	24	0	82	65	643	223	1,037
Craigavon	68	0	111	187	477	536	1,379
Dungannon	47	0	76	96	324	324	866
Fermanagh	20	0	7	124	412	298	862
Newry and Mourne	108	1	127	176	424	380	1,217
Omagh	78	0	156	106	367	361	1,069
All SWaMP2008	502	6	912	956	3,477	3,328	9,181
Northern Ireland	1,720	24	2,178	3,522	8,490	12,650	28,585

Source: NIEA

Table A8: Municipal waste material types collected at bring sites for recycling by district council

Unit: Tonnes

Area	Glass	Cans	Paper	Electrical goods	Green waste	Other recycled waste	All recycled materials collected
arc21							
Antrim	29	0	0	0	0	10	39
Ards	158	0	0	0	0	6	164
Ballymena	32	2	29	0	0	12	74
Belfast	158	1	44	0	0	29	232
Carrickfergus	21	1	20	0	0	6	47
Castlereagh	47	1	3	0	0	8	59
Down	251	1	0	0	0	8	260
Larne	66	0	0	0	0	5	72
Lisburn	134	0	10	0	0	10	154
Newtownabbey	12	0	1	0	0	1	14
North Down	216	1	7	0	0	1	224
All arc21	1,124	7	112	0	0	96	1,339
NWRWMG							
Ballymoney	46	1	1	0	0	6	54
Coleraine	84	1	8	0	0	3	95
Derry	113	1	0	0	0	3	117
Limavady	39	0	0	0	0	4	43
Magherafelt	21	0	0	0	0	6	28
Moyle	40	0	3	0	0	7	50
Strabane	84	2	19	0	0	6	112
All NWRWMG	428	4	31	0	0	36	499
SWaMP2008							
Armagh	11	0	38	0	0	1	50
Banbridge	0	0	0	0	0	18	18
Cookstown	72	0	1	0	0	12	85
Craigavon	127	0	0	0	0	10	137
Dungannon	67	0	0	0	0	16	83
Fermanagh	100	0	5	0	0	11	116
Newry and Mourne	171	2	12	0	0	27	212
Omagh	83	0	0	0	0	16	99
All SWaMP2008	631	3	56	0	0	112	802
Northern Ireland	2,183	14	199	0	0	244	2,640

Source: NIEA

Table A9: Municipal waste collected for disposal by district council

Unit: Tonnes

Area	Regular residual household waste	Household civic amenity waste	Other household waste	All household waste collected for disposal	All non-household waste collected for disposal	All municipal waste collected for disposal
arc21						
Antrim	2,599	1,121	463	4,184	442	4,625
Ards	3,763	2,077	434	6,274	810	7,084
Ballymena	3,732	883	583	5,198	451	5,649
Belfast	17,089	2,552	2,289	21,929	6,081	28,010
Carrickfergus	1,824	795	302	2,921	552	3,472
Castlereagh	3,031	585	636	4,251	275	4,526
Down	3,904	908	478	5,290	655	5,945
Larne	1,542	348	491	2,381	500	2,882
Lisburn	6,175	1,778	767	8,720	850	9,569
Newtownabbey	4,814	408	631	5,853	638	6,491
North Down	4,158	838	572	5,567	1,425	6,992
All arc21	52,632	12,292	7,644	72,568	12,679	85,247
NWRWMG						
Ballymoney	1,829	334	228	2,391	384	2,775
Coleraine	3,130	1,527	508	5,165	933	6,098
Derry	6,344	1,983	1,498	9,825	1,216	11,042
Limavady	2,339	672	195	3,206	180	3,386
Magherafelt	2,198	544	167	2,909	575	3,485
Moyle	1,035	519	40	1,595	275	1,869
Strabane	2,604	573	351	3,528	495	4,022
All NWRWMG	19,479	6,152	2,988	28,619	4,059	32,678
SWaMP2008						
Armagh	2,958	833	366	4,156	459	4,615
Banbridge	2,193	921	377	3,491	199	3,690
Cookstown	1,907	529	257	2,693	573	3,266
Craigavon	5,089	1,061	608	6,758	1,096	7,853
Dungannon	2,973	886	0	3,859	484	4,343
Fermanagh	3,485	1,385	391	5,261	643	5,904
Newry and Mourne	4,673	1,525	718	6,915	1,567	8,482
Omagh	2,791	855	154	3,801	484	4,285
All SWaMP2008	26,069	7,995	2,870	36,934	5,505	42,439
Northern Ireland	98,180	26,438	13,502	138,120	22,242	160,363

Source: NIEA

Table A10: Tonnage of household waste sent for recycling, composting and landfill by district council

Unit: Tonnage

Area	Household waste dry recycling	Household waste composting	Household waste dry recycling and composting	Household waste landfilled	Household waste arisings
arc21					
Antrim	1,500	1,363	2,863	4,024	7,011
Ards	2,115	1,297	3,412	6,216	9,659
Ballymena	1,302	703	2,005	5,198	7,203
Belfast	5,975	2,426	8,401	21,255	30,074
Carrickfergus	991	584	1,574	2,921	4,495
Castlereagh	1,565	1,168	2,733	4,173	6,973
Down	1,661	628	2,289	5,239	7,555
Larne	950	520	1,470	2,357	3,848
Lisburn	2,576	1,959	4,535	8,632	13,222
Newtownabbey	2,065	1,613	3,679	5,779	9,532
North Down	2,357	1,273	3,630	5,509	9,199
All arc21	23,057	13,534	36,591	71,303	108,770
NWRWMG					
Ballymoney	723	185	908	2,314	3,271
Coleraine	1,981	502	2,483	4,431	7,321
Derry	3,395	195	3,590	9,001	12,591
Limavady	1,021	106	1,127	2,707	4,131
Magherafelt	1,698	1,030	2,728	1,578	5,055
Moyle	630	86	716	1,311	2,028
Strabane	1,383	68	1,451	2,938	4,659
All NWRWMG	10,832	2,172	13,004	24,279	39,056
SWaMP2008					
Armagh	1,463	944	2,407	3,484	6,519
Banbridge	1,162	1,728	2,890	3,491	6,381
Cookstown	889	786	1,675	2,699	4,407
Craigavon	3,386	1,093	4,479	2,538	10,474
Dungannon	1,705	931	2,636	4,371	7,077
Fermanagh	1,419	412	1,831	5,327	7,182
Newry and Mourne	2,498	831	3,329	6,915	10,406
Omagh	1,430	598	2,028	3,679	5,875
All SWaMP2008	13,951	7,324	21,275	32,505	58,321
Northern Ireland	47,839	23,030	70,869	128,088	206,148

Source: NIEA

Note: The tonnages of recycled (including composted) and landfilled waste may not always equal the waste arisings because the recycling measures were defined to capture outputs from recovery processes which excludes reuse.

Table A11: Percentage of household waste sent for recycling, composting, KPI(a), and landfill, KPI(b), by district council*

Unit: Percentage

Area	Household waste dry recycling	Household waste composting	Household waste dry recycling and composting	Household waste landfilled rate
arc21				
Antrim	21.4	19.4	40.8	57.4
Ards	21.9	13.4	35.3	64.4
Ballymena	18.1	9.8	27.8	72.2
Belfast	19.9	8.1	27.9	70.7
Carrickfergus	22.0	13.0	35.0	65.0
Castlereagh	22.4	16.7	39.2	59.8
Down	22.0	8.3	30.3	69.3
Larne	24.7	13.5	38.2	61.2
Lisburn	19.5	14.8	34.3	65.3
Newtownabbey	21.7	16.9	38.6	60.6
North Down	25.6	13.8	39.5	59.9
All arc21	21.2	12.4	33.6	65.6
NWRWMG				
Ballymoney	22.1	5.6	27.8	70.7
Coleraine	27.1	6.9	33.9	60.5
Derry	27.0	1.5	28.5	71.5
Limavady	24.7	2.6	27.3	65.5
Magherafelt	33.6	20.4	54.0	31.2
Moyle	31.1	4.3	35.3	64.7
Strabane	29.7	1.5	31.1	63.1
All NWRWMG	27.7	5.6	33.3	62.2
SWaMP2008				
Armagh	22.4	14.5	36.9	53.4
Banbridge	18.2	27.1	45.3	54.7
Cookstown	20.2	17.8	38.0	61.2
Craigavon	32.3	10.4	42.8	24.2
Dungannon	24.1	13.2	37.2	61.8
Fermanagh	19.8	5.7	25.5	74.2
Newry and Mourne	24.0	8.0	32.0	66.5
Omagh	24.3	10.2	34.5	62.6
All SWaMP2008	23.9	12.6	36.5	55.7
Northern Ireland	23.2	11.2	34.4	62.1

Source: NIEA

* Calculated by dividing total tonnage of household waste sent for recycling, composting and landfill by total household waste arisings

Note: The percentage of recycled (including composted) and landfilled waste may not always equal the waste arisings because the recycling measures were defined to capture outputs from recovery processes which excludes reuse.

Table A12: Household waste arisings per capita, KPI(p), by district council

Unit: Kilogrammes per capita

Area	Household waste recycled/ composted	Household waste landfilled	Household waste arisings
arc21			
Antrim	53	74	130
Ards	44	79	124
Ballymena	32	82	113
Belfast	31	79	112
Carrickfergus	39	73	112
Castlereagh	41	62	104
Down	32	74	107
Larne	46	74	121
Lisburn	39	73	112
Newtownabbey	44	69	114
North Down	45	69	115
All arc21	38	75	114
NWRWMG			
Ballymoney	30	76	107
Coleraine	44	78	129
Derry	33	82	115
Limavady	34	81	123
Magherafelt	61	35	113
Moyle	42	77	119
Strabane	36	73	116
All NWRWMG	39	73	117
SWaMP2008			
Armagh	41	59	110
Banbridge	60	73	133
Cookstown	46	74	120
Craigavon	48	27	112
Dungannon	46	76	123
Fermanagh	29	84	114
Newry and Mourne	33	69	104
Omagh	38	70	111
All SWaMP2008	42	64	114
Northern Ireland	39	71	115

Source: NIEA, NISRA

Note: The amount of recycled (including composted) and landfilled waste may not always equal the waste arisings because the recycling measures were defined to capture outputs from recovery processes which excludes reuse.

Table A13: Household waste arisings per household, KPI(h), by district council

Unit: Kilogrammes per household

Area	Household waste recycled/ composted	Household waste landfilled	Household waste arisings
arc21			
Antrim	138	194	339
Ards	101	185	287
Ballymena	79	205	284
Belfast	67	168	238
Carrickfergus	97	180	277
Castlereagh	95	145	242
Down	83	189	273
Larne	104	166	271
Lisburn	95	181	278
Newtownabbey	104	164	270
North Down	105	159	266
All arc21	89	174	265
NWRWMG			
Ballymoney	75	191	270
Coleraine	91	163	270
Derry	90	226	315
Limavady	89	213	325
Magherafelt	171	99	317
Moyle	93	170	263
Strabane	95	191	304
All NWRWMG	99	186	299
SWaMP2008			
Armagh	108	156	292
Banbridge	149	180	329
Cookstown	122	197	322
Craigavon	118	67	275
Dungannon	124	206	333
Fermanagh	68	199	268
Newry and Mourne	98	204	306
Omagh	101	183	293
All SWaMP2008	109	166	298
Northern Ireland	96	174	280

Source: NIEA, NI Census, DSD

Note: The amount of recycled (including composted) and landfilled waste may not always equal the waste arisings because the recycling measures were defined to capture outputs from recovery processes which excludes reuse.

Table A14: Biodegradable municipal waste (BMW) to landfill by district council*

Area	10/11 allocation in tonnes	Tonnes of BMW to landfill for Jan-Mar	Total BMW to landfill Apr 10-Mar 11	% of 10/11 allocation used Apr-Mar
arc21				
Antrim	13,607	2,361	9,081	66.7
Ards	20,828	4,036	14,743	70.8
Ballymena	16,380	3,419	12,798	78.1
Belfast	71,692	16,568	67,254	93.8
Carrickfergus	10,724	2,107	7,747	72.2
Castlereagh	17,907	2,560	10,045	56.1
Down	18,432	3,612	14,449	78.4
Larne	8,426	1,685	6,396	75.9
Lisburn	30,215	5,313	19,364	64.1
Newtownabbey	22,014	3,705	15,333	69.7
North Down	21,030	4,000	14,433	68.6
All arc21	251,256	49,366	191,643	76.3
NWRWMG				
Ballymoney	8,010	1,631	5,505	68.7
Coleraine	15,367	3,237	13,885	90.4
Derry	29,596	6,557	26,742	90.4
Limavady	9,568	1,751	6,345	66.3
Magherafelt	11,603	1,032	5,213	44.9
Moyle	4,580	1,006	3,976	86.8
Strabane	10,736	2,090	8,251	76.9
All NWRWMG	89,460	17,304	69,917	78.2
SWaMP2008				
Armagh	15,441	2,263	8,809	57.0
Banbridge	12,412	1,921	6,734	54.3
Cookstown	9,387	1,853	6,778	72.2
Craigavon	22,972	1,658	11,160	48.6
Dungannon	13,614	2,661	10,461	76.8
Fermanagh	16,249	3,838	14,269	87.8
Newry and Mourne	25,353	4,995	20,131	79.4
Omagh	13,793	2,417	8,649	62.7
All SWaMP2008	129,221	21,606	86,991	67.3
Northern Ireland	469,937	88,276	348,551	74.2

Source: NIEA

*This is subject to change pending the potential transfer of allowances and further year-end validations.