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# Northern Ireland Municipal Waste Management Statistics, Annual Report 2009/10





## **Revision to the Northern Ireland Municipal Waste Management Statistics Annual Report, 2009/10.**

A revision has been made to the Northern Ireland Municipal Waste Management Statistics Annual Report, 2009/10. This revision relates to KPI (b) 'Household waste sent to landfill as a percentage of household waste arisings', which is presented in Table 16 of the Excel appendix. In calculating this indicator, the spreadsheet incorrectly linked to the 2008/09 household waste arisings in the denominator rather than the correct 2009/10 year. This has had an impact on Table 16 (T16-HHW landfill) and chart 19 (C16-HHW landfill) in the appendix. As a result, within the Annual report, the summary and detailed figures for KPI (b) appearing at pages 5 and 20, and Table 16 and Chart 19 of the appendix have also been revised. It did not impact to any significant extent on the conclusions noted in the original commentary relating to KPI (b), and only changed the overall NI figure by 0.3 percentage points.

## Executive Summary

This annual report provides both summary and detailed figures on the amount of municipal waste collected and managed in Northern Ireland in 2009/10, as well as trend data over the last number of years. The data is broken down by waste management groups and district councils, and is sourced from the WasteDataFlow reporting system. Additional charts, maps and more detailed tables providing results by individual district councils are available in the appendix to the report.

The total amount of municipal waste arising, i.e. all waste under the possession or control of a district council, in Northern Ireland in 2009/10 was 1,004,020 tonnes, a decrease of 1.3% on the amount in 2008/09. Of this waste, 33.1% was sent for recycling (including composting), an increase from 31.6% in 2008/09 and 8.9% in 2002. Banbridge District Council had the highest municipal recycling rate of 51.6%, while Belfast City Council had the lowest rate, 22.3%.

The majority of the remaining municipal waste was sent to landfill (66.1%), with a very small amount reused. The percentage of municipal waste landfilled has decreased over the years, falling from 91.1% in 2002 to 66.1% in 2009/10. Belfast City Council had the highest rate of municipal waste sent to landfill, 77.6%, with Antrim Borough Council and Banbridge District Council having the lowest rates, 48.2% and 48.4% respectively.

Compostable waste (39.0%) and paper (26.4%) were the most common material types reported as actually composted and recycled. Of all the source segregated municipal waste processed by clean material recovery facilities, 94.1% was sent to reprocessors for recycling. The recycling rate from mixed waste streams processed by dirty material recovery facilities was, as expected, markedly lower at 19.8%.

There was a total of 875,062 tonnes of household waste collected in 2009/10, a marginal drop from the previous year. 'Towards Resource Management: The NI Waste Management Strategy 2006-2020' set the target for recycling (including composting) of household waste at 35% by 2010. In 2009/10 the percentage of household waste in Northern Ireland sent for recycling (including composting) was 35.6%, up from 34.4% in the previous year and shows the progress made since 2002 when this value was only 10.0%.

Derry City Council had the highest dry recycling rate in 2009/10 of 28.6%, while Ballymena Borough Council had the lowest, 16.0%. Banbridge District Council had the highest composting rate in 2009/10 of 32.2%, while Derry City Council had the lowest rate of 3.3%.

The percentage of household waste arisings sent to landfill fell to 64.1% in 2009/10 from 65.8% in 2008/09. Belfast City Council and Strabane District Council had the highest rates of household waste sent to landfill, 73.3% and 73.4% respectively, and Magherafelt District Council had the lowest rate, 48.2%.

The amount of household waste generated per person in Northern Ireland has fallen from 531.9 kg in 2002 to 489.2 kg in 2009/10. Coleraine Borough Council had the highest amount of household waste per person in 2009/10, 580.5 kg, while Armagh City & District Council had the lowest amount, 442.6 kg. The amount of household waste generated per household in Northern Ireland has fallen from 1.402 tonnes in 2002 to 1.196 tonnes in 2009/10, a decrease of 15%.

In 2009/10 383,329 tonnes of biodegradable municipal waste (BMW) was landfilled which equates to 81.6% of the 2009/10 landfill allowance allocation for Northern Ireland. The first Landfill Directive target year (2010) sets a target of no more than 470,000 tonnes of BMW to be landfilled in 2010. This was achieved in 2009/10.

## Northern Ireland Key Performance Indicators (KPIs) – 2009/10

Indicator	2009/10 Value	Page No.
KPI(a)	35.6% of household waste sent for recycling (including composting)	18
KPI(b)	64.1% of household waste landfilled	20
KPI(e)	33.1% of municipal waste sent for recycling (including composting)	11
KPI(f)	66.1% of municipal waste landfilled	12
KPI(g)	383,329 tonnes of biodegradable municipal waste landfilled	23
KPI(h)	1.196 tonnes of household waste generated per household	22
KPI(j)	1,004,020 tonnes of municipal waste generated	10
KPI(n)	1.3% decrease in municipal waste generated	10
KPI(p)	489 kilogrammes of household waste generated per capita	21

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## **Appendix**

## Introduction

This is the 2009/10 Northern Ireland Waste Management Annual Statistics Report. It provides both summary and detailed figures on the amount of municipal waste collected and managed in Northern Ireland over the financial year, as well as trend data over the last number of years.

Municipal waste in this report refers to district council collected waste. WasteDataFlow (WDF) is the web based system for data reporting by UK local authorities to central Government. The data in this report is based on returns made to the WDF by district councils in Northern Ireland at the end of the financial year.

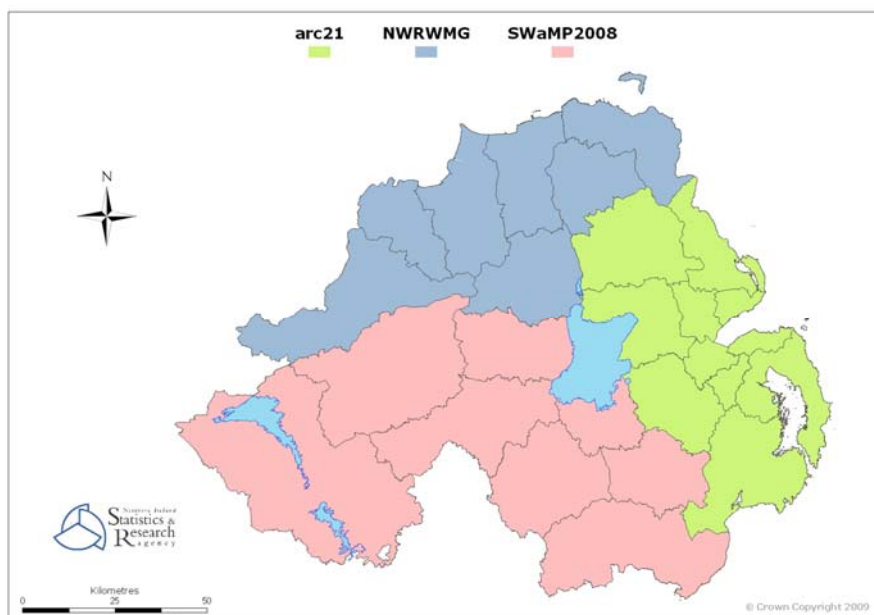
Following discussions with the European Commission relating to the amount of biodegradable municipal waste diverted from landfill, the UK has agreed to revise its interpretation of municipal waste. The revised interpretation, which will bring the UK more closely into line with the approach understood 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'. The revised interpretation of municipal waste does not affect the 2009/10 report. The User Information section within this report has further details on the redefinition of municipal waste.

This report has retained the reference to municipal waste in the release title and contents to maintain consistency with the previous releases in the reporting year. However, for future reporting, municipal waste will be renamed to reflect that the publication reports on Local Authority collected municipal waste only. However this change in definition will have no impact on the WDF data that is reported.

In Northern Ireland, there are 26 district councils which are split into three waste management groups (WMGs). 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 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 area Management Partnership (SWaMP2008) - Armagh, Banbridge, Cookstown, Craigavon, Dungannon, Fermanagh, Newry, Omagh

### Map of the waste management groups in Northern Ireland



This report contains summary information on a number of key measurements of municipal waste in 2009/10, for the three WMGs 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. Additional charts, maps and more detailed tables providing results by individual district councils are available in the appendix to the report. All the figures in the report and the accompanying tables are annual figures for 2009/10.

## Statistical Note

This report has been prepared by the Northern Ireland Statistics and Research Agency (NISRA) along with the Northern Ireland Environment Agency. The data are final and are based on, but supersede previously published data from, the four quarterly returns for the financial year. The data were downloaded from WDF on 16 November 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'
- '-' indicates not applicable in the tables
- '[r]' indicates data revised from previous publication
- 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.

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.

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).

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## Municipal Waste

Figure 1 Municipal waste arisings, KPI(j), 2002 – 2009/10

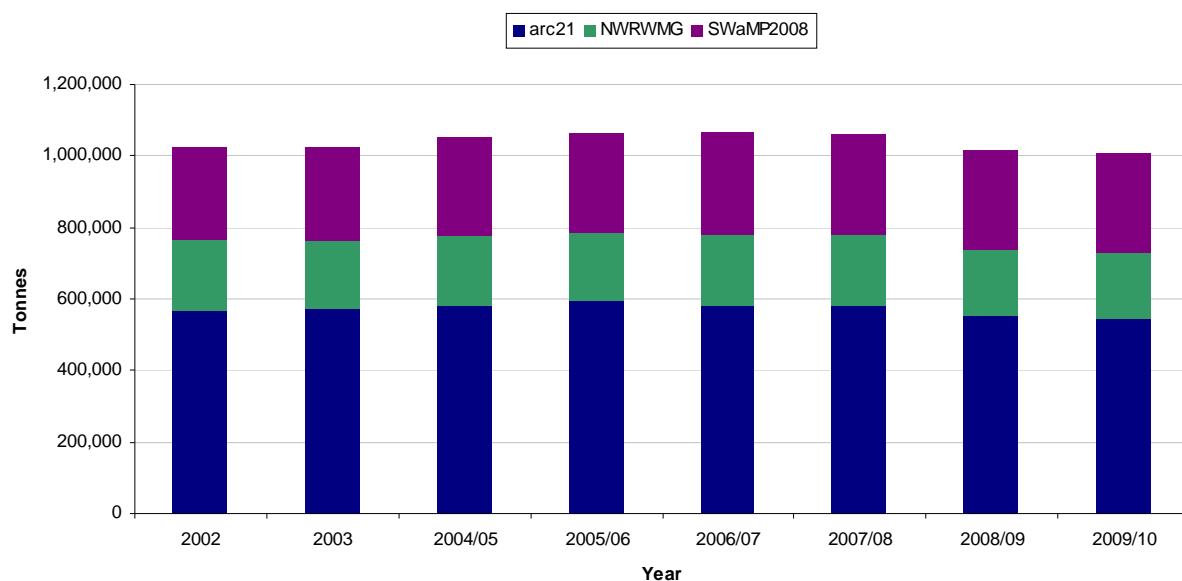


Table 1 Municipal waste arisings, KPI(j), and municipal waste arising increase / decrease as a % of preceding years arisings, KPI(n), 2002 – 2009/10

	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	Unit: Tonnes
arc21	568,182	571,250	583,505	593,192	583,747	580,981	553,054	543,200	
NWRWMG	197,153	190,066	190,181	190,741	197,010	197,015	187,158	187,486	
SWaMP2008	257,797	265,364	277,030	279,577	283,333	283,112	277,004	273,334	
<b>Northern Ireland</b>	<b>1,023,132</b>	<b>1,026,678</b>	<b>1,050,716</b>	<b>1,063,510</b>	<b>1,064,090</b>	<b>1,061,108</b>	<b>1,017,215</b>	<b>1,004,020</b>	
<b>KPI(n) Municipal waste arisings % growth rate</b>	<b>-3.1%</b>	<b>0.3%</b>	<b>2.3%</b>	<b>1.2%</b>	<b>0.1%</b>	<b>-0.3%</b>	<b>-4.1%</b>	<b>-1.3%</b>	
Source: NIEA									

- There were 1,004,020 tonnes of municipal waste collected in Northern Ireland in 2009/10, a decrease of 1.3% on the amount collected in 2008/09. Since 2002, total municipal waste arisings in Northern Ireland have decreased by 2%.
- The largest waste management group, arc21, collected 54% of the total municipal waste collected in 2009/10. NWRWMG have had the largest decrease in municipal waste arisings since 2002, a drop of 5%.
- Tables 1 and 2 in the appendix to this report provide more detail on these figures.

## Municipal waste recycling (including composting)

Figure 2 Municipal waste sent for recycling (inc. composting) as a % of total municipal waste arisings, KPI(e), 2002 – 2009/10

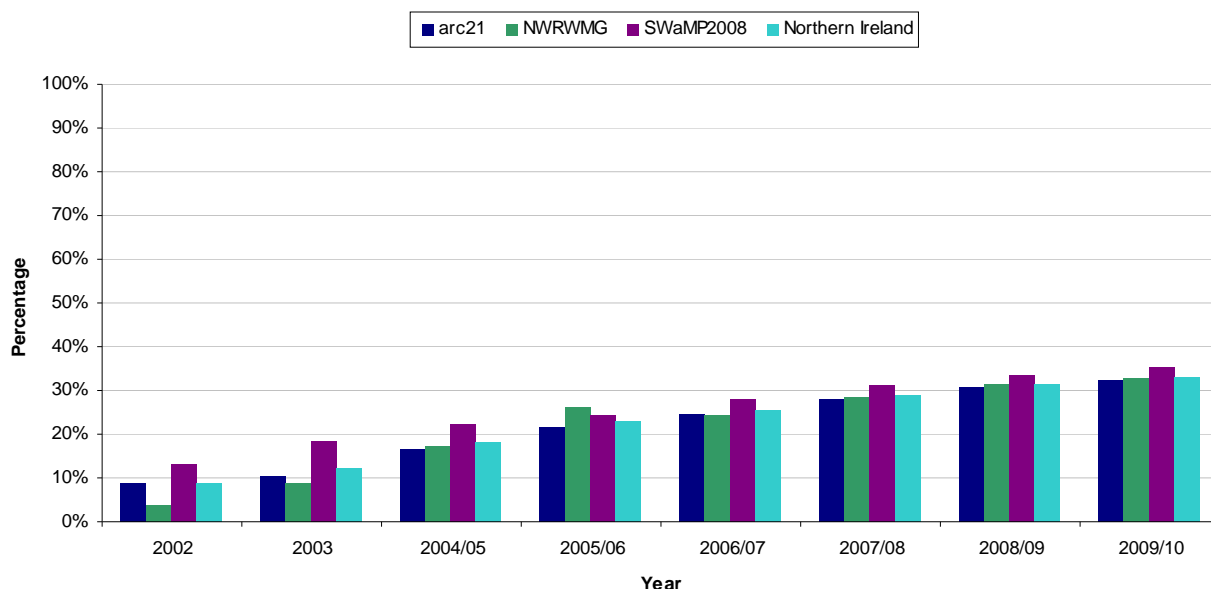


Table 2 Municipal waste sent for recycling (inc. composting) as a % of total municipal waste arisings, KPI(e), 2002 – 2009/10

	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
arc21	8.7%	10.4%	16.5%	21.5%	24.8%	27.9%	30.6%	32.2%
NWRWMG	4.0%	8.8%	17.4%	26.0%	24.1%	28.3%	31.6%	32.6%
SWaMP2008	13.2%	18.5%	22.3%	24.2%	28.1%	31.0%	33.6%	35.2%
<b>Northern Ireland</b>	<b>8.9%</b>	<b>12.2%</b>	<b>18.2%</b>	<b>23.0%</b>	<b>25.5%</b>	<b>28.8%</b>	<b>31.6%</b>	<b>33.1%</b>
Unit: Percentage								
<i>Source: NIEA</i>								

- In 2009/10, 332,392 tonnes of municipal waste was sent for recycling (including composting).
- The percentage of municipal waste sent for recycling (including composting) has increased almost fourfold from 8.9% in 2002 to 33.1% in 2009/10. The rate of increase was higher up until 2005/06, and has been lower in the years since then.
- SWaMP2008 is currently the best performing waste management group in terms of how much municipal waste it recycles, with 35.2% of all municipal waste collected in 2009/10 being sent for recycling or composting. NWRWMG is the most improved group, increasing its amount of recycling more than eightfold since 2002, although it started from the lowest base.
- Tables 3 and 4 in the appendix to this report provide more detail these figures.

## Municipal waste landfilled

Figure 3 Municipal waste landfilled as a % of total municipal waste arisings, KPI(f), 2002 – 2009/10

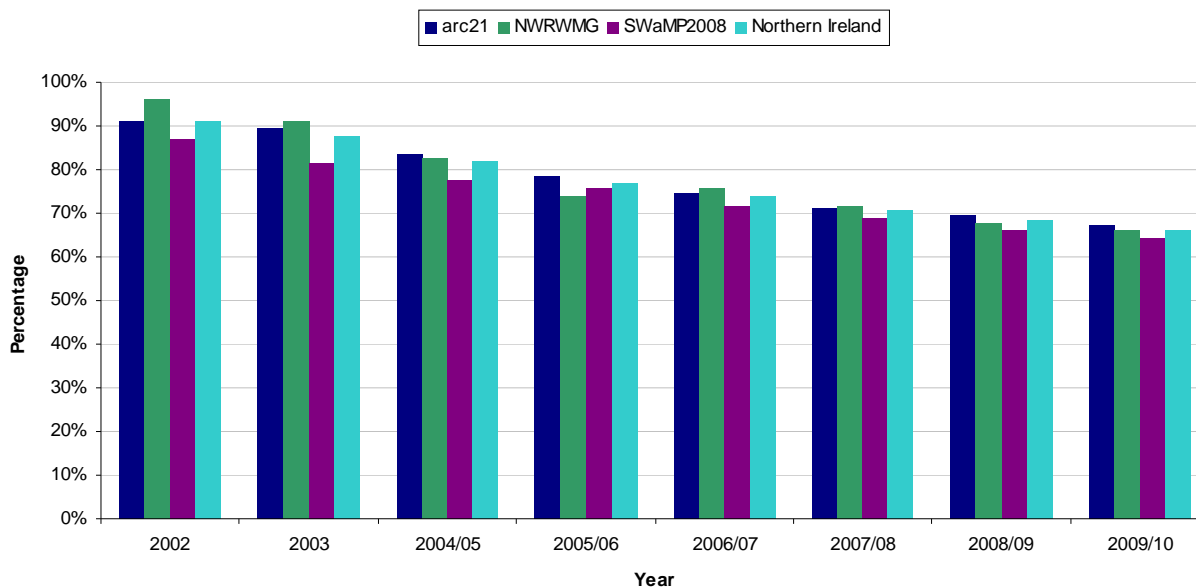


Table 3 Municipal waste landfilled as a % of total municipal waste arisings, KPI(f), 2002 – 2009/10

	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
arc21	91.3%	89.6%	83.5%	78.5%	74.5%	71.2%	69.5%	67.1%
NWRWMG	96.0%	91.2%	82.6%	74.0%	75.8%	71.5%	67.8%	66.0%
SWaMP2008	86.8%	81.5%	77.7%	75.6%	71.7%	68.8%	66.3%	64.1%
<b>Northern Ireland</b>	<b>91.1%</b>	<b>87.8%</b>	<b>81.8%</b>	<b>76.9%</b>	<b>74.0%</b>	<b>70.6%</b>	<b>68.3%</b>	<b>66.1%</b>

Unit: Percentage

Source: NIEA

- The total amount of municipal waste that was sent to landfill in 2009/10 was 663,697 tonnes.
- As recycling and composting rates have increased in recent years, the percentage of municipal waste landfilled has decreased, falling from 91.1% of all municipal waste in 2002, to 66.1% in 2009/10.
- SWaMP2008 is the best performing group in terms of the percentage of municipal waste it sends to landfill (64.1%), whilst NWRWMG is the most improved, falling from 96.0% in 2002 to 66.0% in 2009/10.
- Table 3 in the appendix to this report provides more detail on these figures.

# Destination of municipal waste

Figure 4 Destinations of municipal waste, 2009/10

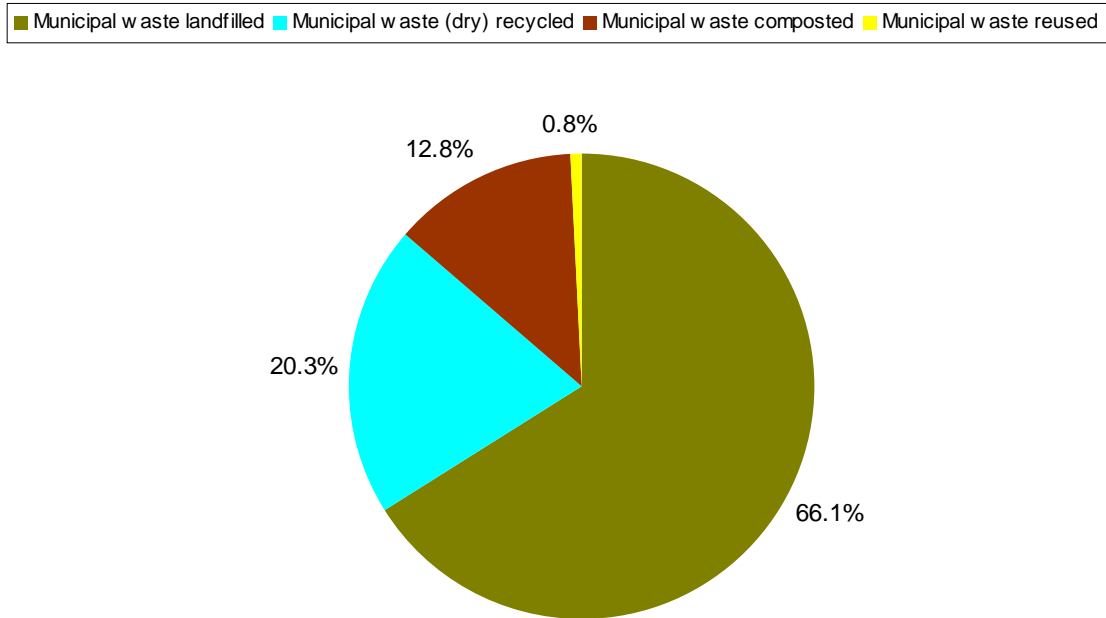


Table 4 Destinations of municipal waste, 2009/10

	Unit: Percentage			
	Municipal waste landfilled	Municipal waste (dry) recycled	Municipal waste composted	Municipal waste reused
arc21	67.1%	18.5%	13.7%	0.6%
NWRWMG	66.0%	23.5%	9.1%	1.4%
SWaMP2008	64.1%	21.6%	13.6%	0.6%
<b>Northern Ireland</b>	<b>66.1%</b>	<b>20.3%</b>	<b>12.8%</b>	<b>0.8%</b>
Source: NIEA				

Note: Municipal waste reused calculated as a residual amount of total municipal waste arisings.

- In 2009/10 of all municipal waste collected, 66.1% was landfilled, 20.3% was dry materials which were recycled, 12.8% was composted and a small amount was reused.
- arc21 landfilled the highest percentage of municipal waste in 2009/10 (67.1%), and had the lowest municipal waste dry recycling rate (18.5%). NWRWMG had the highest municipal waste dry recycling rate (23.5%) and the highest municipal waste reuse rate, but the lowest municipal composting rate (9.1%).
- The reuse figure has been derived as a residual municipal waste arisings category rather than being extracted directly from the WasteDataFlow system.

- Of the three waste management groups, arc21 and SWaMP2008 have the highest municipal waste composting rates, 13.7% and 13.6% respectively.

## Municipal waste collected for recycling by material types

Figure 5 Municipal waste material types collected for recycling, 2009/10

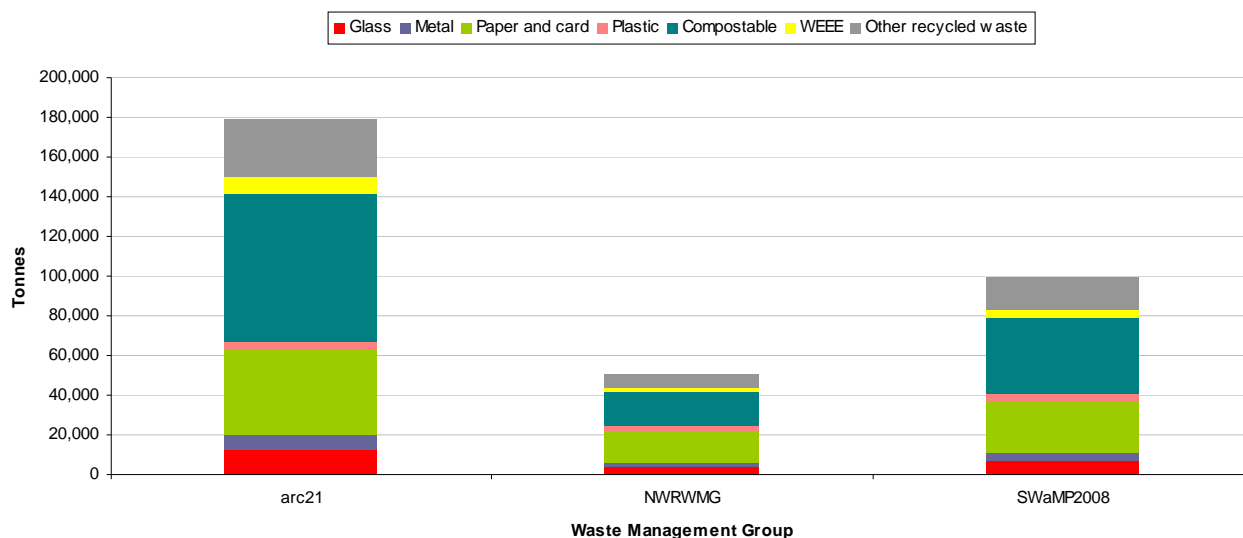


Table 5 Municipal waste material types collected for recycling, 2009/10

	Glass	Metal	Paper and card	Plastic	Compostable	WEEE	Other recycled waste	All Materials	Unit: Tonnage
arc21	12,640	7,027	43,412	4,081	74,454	8,161	29,538	179,315	
NWRWMG	3,768	2,749	15,546	2,236	17,001	2,509	6,664	50,471	
SWaMP2008	6,997	3,990	26,215	3,756	38,042	3,820	16,610	99,430	
<b>Northern Ireland</b>	<b>23,405</b>	<b>13,766</b>	<b>85,172</b>	<b>10,073</b>	<b>129,497</b>	<b>14,490</b>	<b>52,812</b>	<b>329,216</b>	
Source: NIEA									

Note: Collected recycled waste is not always sent for recycling due to contamination of recyclates.

- In 2009/10, there was 129,497 tonnes of compostable waste collected for recycling, which accounted for 39% of the total municipal waste collected for recycling.
- Paper and card was the next highest material type with 26%. Other recycled waste accounted for 16%, glass for 7%, metal and waste electrical & electronic equipment (WEEE) both accounted for 4%, and plastic for 3%.
- Tables 5, 5a, 6, 6a, 7, 7a, 8 and 8a in the appendix show a further breakdown of these materials collected at kerbside, civic amenity sites and bring sites by district council and give a breakdown of the other recycled waste category.

## Municipal waste sent to Material Recovery Facilities (MRF)

Figure 6 Recovery rates of municipal waste sent to Material Recovery Facilities (MRFs), 2009/10

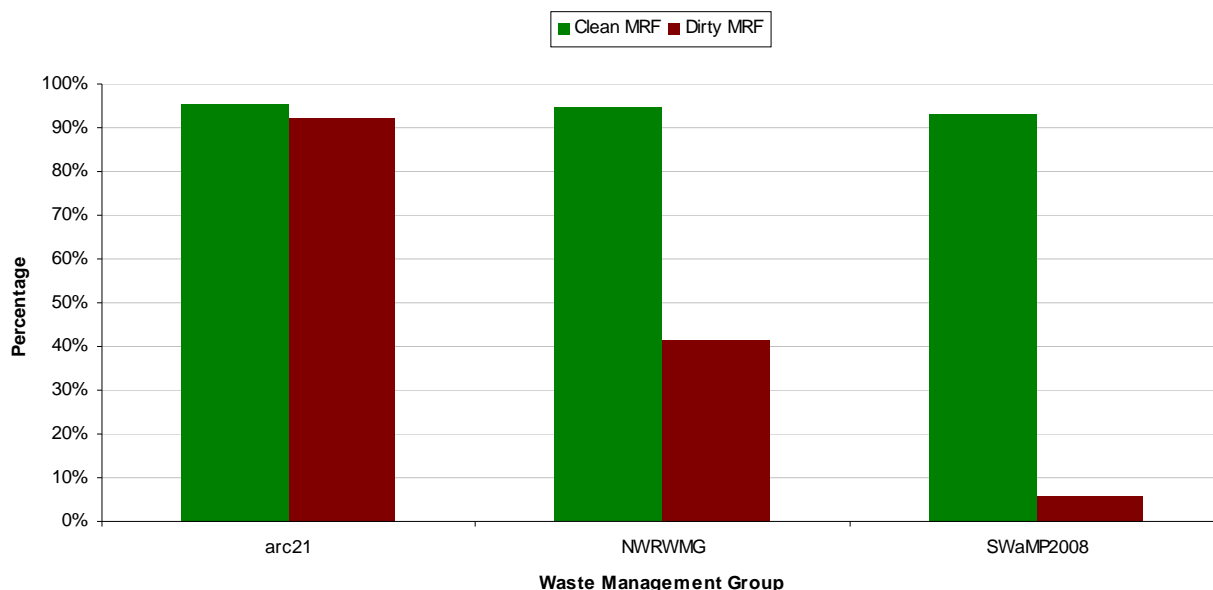


Table 6 Recovery rates of municipal waste sent to Material Recovery Facilities (MRFs), 2009/10

	Clean MRF			Dirty MRF		
	Input (tonnes)	% recovered	% landfill	Input (tonnes)	% recovered	% landfill
arc21	41,286	95.4%	4.6%	686	92.3%	7.7%
NWRWMG	18,043	94.4%	5.6%	34,929	41.6%	58.4%
SWaMP2008	23,510	93.2%	6.8%	33,472	5.9%	94.1%
<b>Northern Ireland</b>	<b>82,839</b>	<b>94.6%</b>	<b>5.4%</b>	<b>69,087</b>	<b>24.8%</b>	<b>75.2%</b>
<i>Source: NIEA</i>						

- In 2009/10, there was a total of 151,926 tonnes of municipal waste sent to MRFs. Clean MRFs accounted for 55% of the total municipal waste sent to material recovery facilities, with dirty MRFs accounting for the other 45%.
- Across all three waste management groups there was a high percentage of material recovery for clean MRFs (93% – 95%), but the level of recovery was much more varied for dirty MRFs, with arc21 recovering 92% of material, NWRWMG managing to recover 42%, and SwaMP2008 recovering only 6%. This is due to a variety of factors and highlights the influence of different sources and / or composition of residual municipal waste on MRF recovery rates. For further details, please see the User Information section.
- Table 9 in the appendix shows a further breakdown of these figures by district council.

## Household waste arisings

Figure 7 Household waste arisings, 2002 – 2009/10

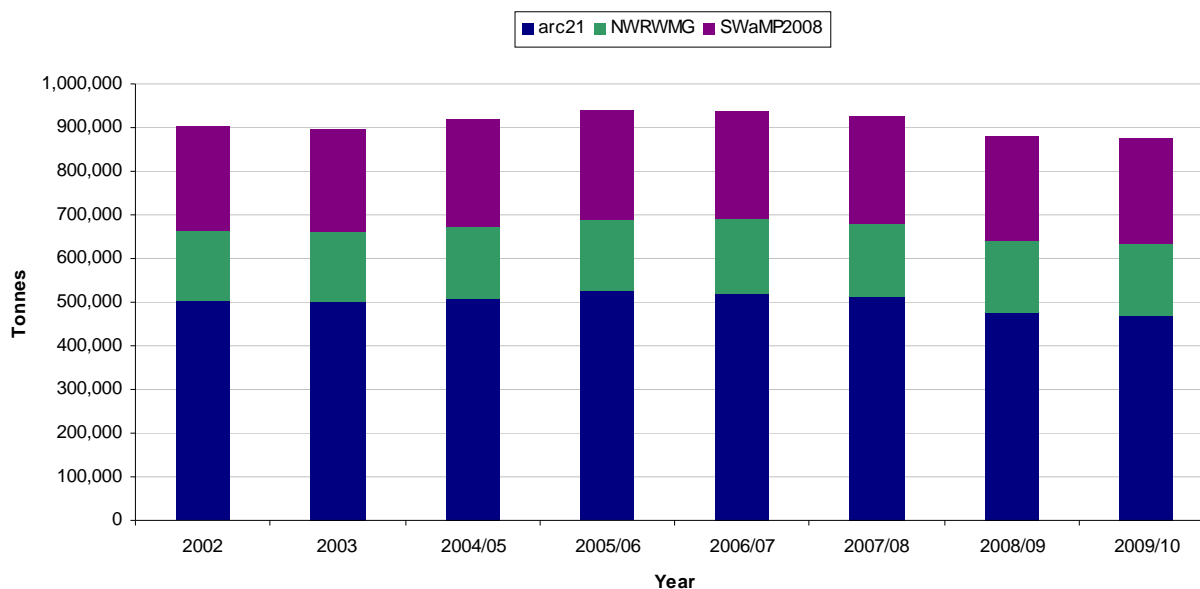


Table 7 Household waste arisings, 2002 – 2009/10

	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	Unit: Tonnes
arc21	502,787	498,706	507,992	526,468	518,259	512,082	477,192	469,678	
NWRWMG	164,501	161,767	166,349	163,869	172,790	170,451	163,683	165,022	
SWaMP2008	235,165	237,192	244,828	246,994	247,676	245,589	238,971	240,361	
<b>Northern Ireland</b>	<b>902,454</b>	<b>897,665</b>	<b>919,169</b>	<b>937,331</b>	<b>938,726</b>	<b>928,122</b>	<b>879,846</b>	<b>875,062</b>	
<i>Source: NIEA</i>									

- There was 875,062 tonnes of household waste collected in Northern Ireland in 2009/10. Since 2002, total household waste arisings in Northern Ireland have fallen by 3%.
- The largest waste management group, arc21, collected 54% of the total household waste collected in 2009/10. arc21 have had the biggest decrease in household waste arisings since 2002, a drop of 6.6% and also experienced the largest drop from 2008/09, a decrease of 1.6%.
- Tables 13 and 14 in the appendix to this report provide more detail on these figures.

## Household waste recycling (including composting)

Figure 8 Household waste sent for recycling (inc. composting) as a % of household waste arisings, KPI(a), 2002 – 2009/10

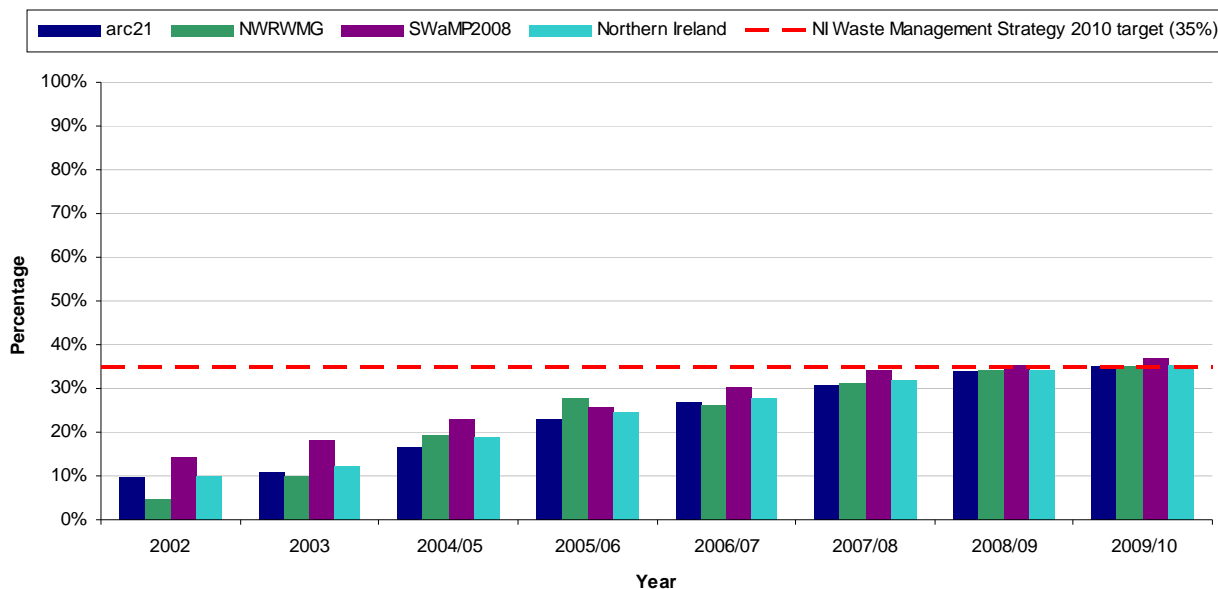


Table 8 Household waste sent for recycling (inc. composting) as a % of household waste arisings, KPI(a), 2002 – 2009/10

	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
arc21	9.7%	10.6%	16.7%	22.9%	26.8%	30.9%	33.9%	35.0%
NWRWMG	4.6%	10.1%	19.3%	27.6%	26.3%	31.3%	34.2%	35.0%
SWaMP2008	14.3%	18.0%	23.0%	25.9%	30.5%	34.4%	35.5%	37.0%
<b>Northern Ireland</b>	<b>10.0%</b>	<b>12.5%</b>	<b>18.9%</b>	<b>24.5%</b>	<b>27.7%</b>	<b>31.9%</b>	<b>34.4%</b>	<b>35.6%</b>

Unit: Percentage

Source: NIEA

- In 2009/10, 311,306 tonnes of household waste was sent for recycling (including composting).
- The Northern Ireland Waste Management Strategy 2006-2020 set the target for recycling and composting of household waste at 35% by 2010. In 2009/10 the percentage of household waste in Northern Ireland sent for recycling (including composting) was 35.6%.
- The percentage of household waste sent for recycling (including composting) has been increasing, with the biggest increases being achieved up until 2005/06, and smaller increases from then on.

- SWaMP2008 is currently the best performing waste management group in terms of how much household waste it sends for recycling, with 37.0% of all household waste collected in 2009/10 being sent for recycling (including composting). NWRWMG is the most improved group, increasing the percentage of household waste sent for recycling to 35.0% in 2009/10 albeit from the lowest 2002 baseline of 4.6%.
- Tables 15 and 17 in the appendix to this report provide more detail on these figures.

## Household waste landfilled

Figure 9 Household waste sent to landfill as a % of household waste arisings, KPI(b), 2002 – 2009/10

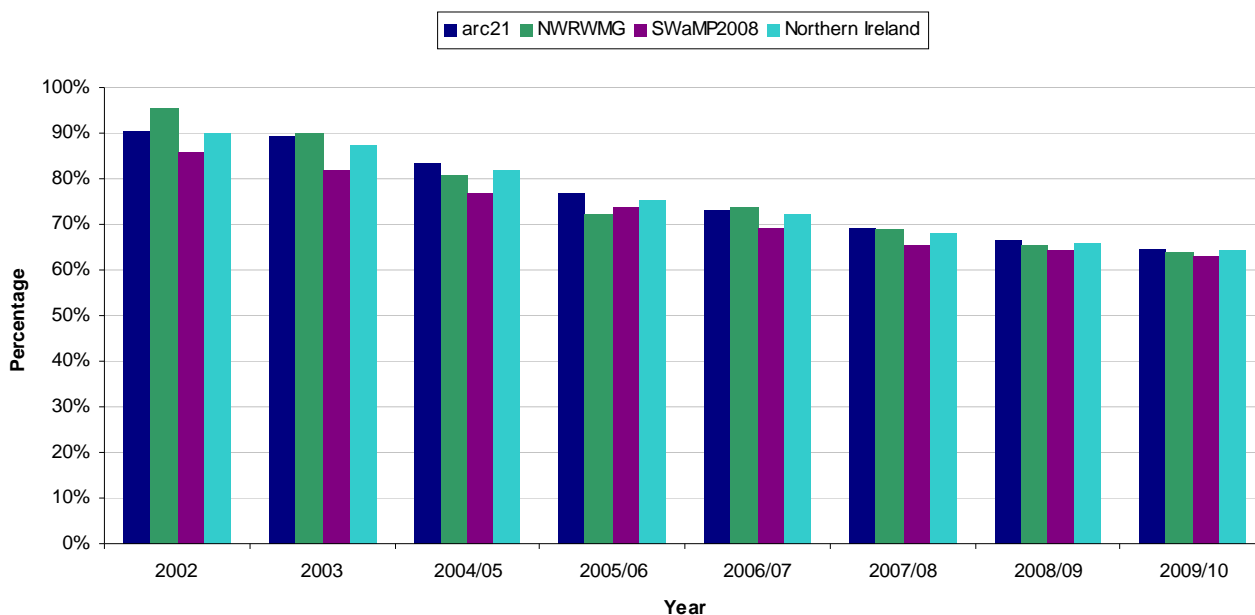


Table 9 Household waste sent to landfill as a % of household waste arisings, KPI(b), 2002 – 2009/10

	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10 [r]
arc21	90.3%	89.4%	83.3%	77.1%	73.2%	69.2%	66.7%	64.8%
NWRWMG	95.4%	89.9%	80.7%	72.4%	73.7%	68.7%	65.5%	63.9%
SWaMP2008	85.7%	82.0%	77.0%	73.8%	69.4%	65.5%	64.4%	63.0%
<b>Northern Ireland</b>	<b>90.0%</b>	<b>87.5%</b>	<b>81.8%</b>	<b>75.4%</b>	<b>72.3%</b>	<b>68.1%</b>	<b>65.8%</b>	<b>64.1%</b>
Unit: Percentage								
Source: NIEA								

- The total amount of household waste that was sent to landfill in 2009/10 was 561,173 tonnes.
- The percentage of household waste sent to landfill has decreased considerably in recent years. In 2002, nine-tenths of all household waste was sent to landfill. In 2009/10, this figure has dropped to less than two-thirds.
- Of all three waste management groups, SWaMP2008 sends the lowest percentage of household waste to landfill (63.0%). NWRWMG has made the biggest reduction in the percentage of household waste it sends to landfill, decreasing from 95.4% in 2002 to 63.9% in 2009/10.
- Table 16 in the appendix to this report provides more detail on these figures.

## Household waste arisings per capita

Figure 10 Household waste arisings per capita, KPI(p), 2002 – 2009/10

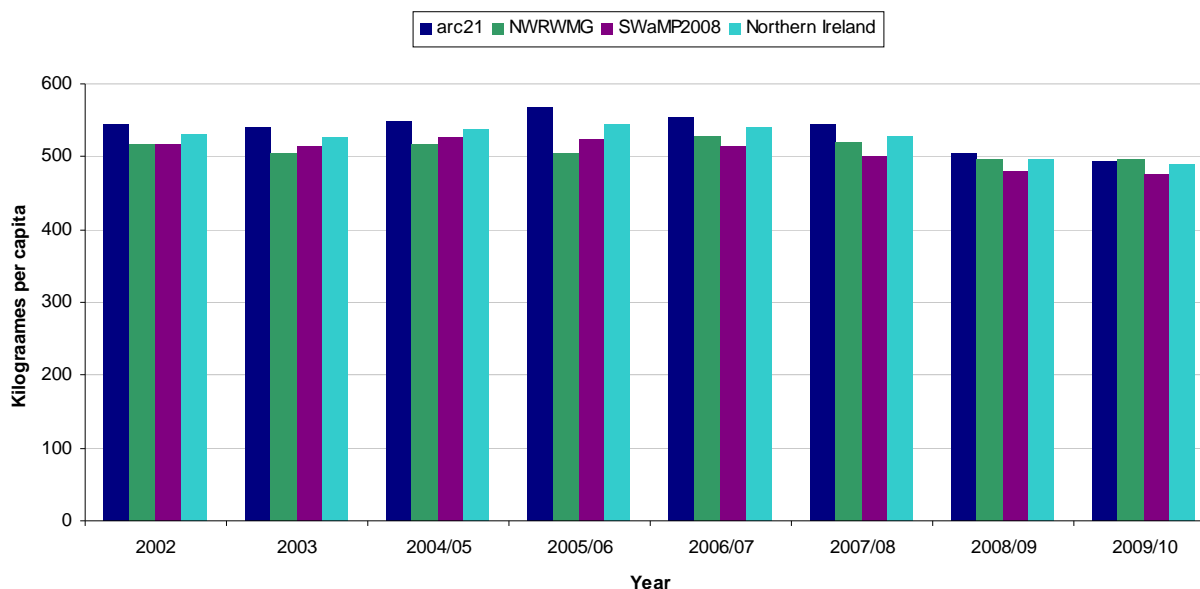


Table 10 Household waste arisings per capita by waste management group, KPI(p), 2002 – 2009/10

	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
arc21	545	541	550	567	555	545	505	493
NWRWMG	517	506	517	506	530	518	495	497
SWaMP2008	516	515	527	523	515	500	479	476
<b>Northern Ireland</b>	<b>532</b>	<b>527</b>	<b>537</b>	<b>544</b>	<b>539</b>	<b>528</b>	<b>496</b>	<b>489</b>
Unit: Kilogrammes per capita								
Source: NIEA								

- The amount of household waste generated per capita (per head of population) in Northern Ireland in 2009/10 was calculated as 489 kg, a decrease of over 40kg from 2002.
- The population living in NWRWMG have the highest amount of waste per capita in Northern Ireland (497 kg per capita), while the population living in SWaMP2008 have the lowest amount (476 kg per capita). The population in arc21 have made the biggest improvements in the amount of waste per capita they produce, falling by 9.5% from 545 kg per capita in 2002 to 493 kg per capita in 2009/10.
- Tables 15 and 19 in the appendix to this report provide more detail on these figures.

## Household waste arisings per household

Figure 11 Household waste arisings per household, KPI(h), 2002 – 2009/10

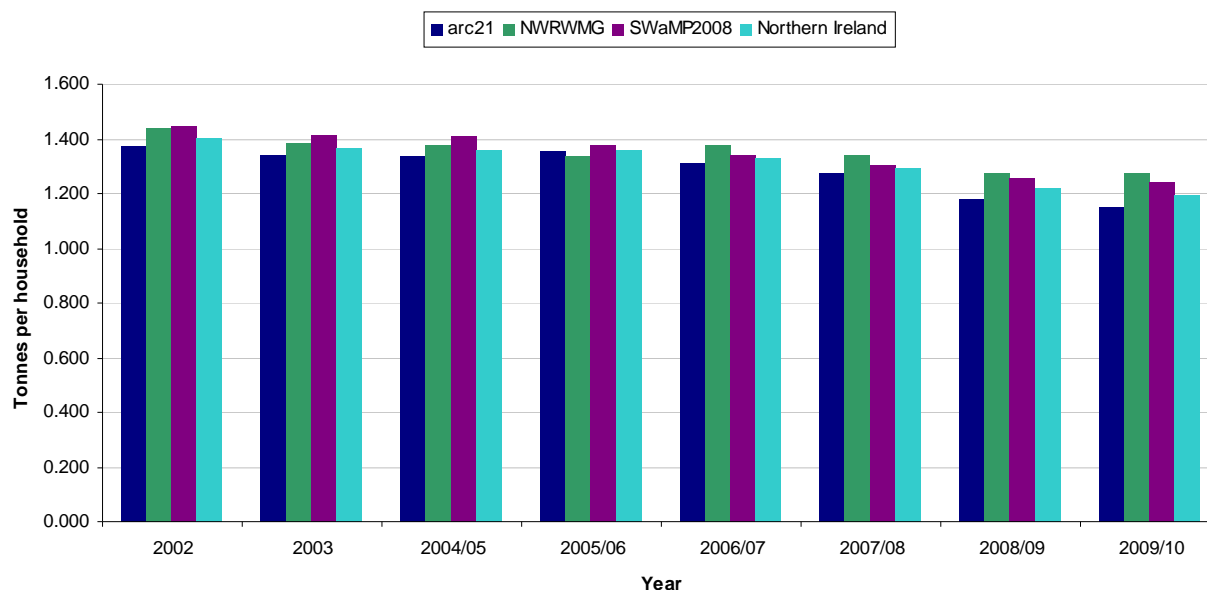


Table 11 Household waste arisings per household, KPI(h), 2002 – 2009/10

	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
arc21	1.370	1.339	1.333	1.356	1.313	1.276	1.180	1.150
NWRWMG	1.438	1.382	1.380	1.333	1.378	1.338	1.275	1.271
SWaMP2008	1.447	1.417	1.408	1.377	1.342	1.307	1.256	1.242
<b>Northern Ireland</b>	<b>1.402</b>	<b>1.367</b>	<b>1.361</b>	<b>1.357</b>	<b>1.332</b>	<b>1.295</b>	<b>1.217</b>	<b>1.196</b>
Unit: Tonnes per household								
Source: NIEA								

- The amount of household waste collected per household in Northern Ireland in 2009/10 was calculated as 1.196 tonnes on average. This has decreased from 1.402 tonnes per household in 2002.
- Households in NWRWMG have the highest amount of waste per household in Northern Ireland (1.271 tonnes per household), while households in arc21 have the lowest amount (1.150 tonnes per household). Households in SWaMP2008 have made the biggest improvements in the amount of waste per household they produce, falling by 14% from 1.447 tonnes in 2002 to 1.242 tonnes in 2009/10.
- Tables 16 and 18 in the appendix to this report provide more detail on these figures.

## Biodegradable Municipal Waste (BMW) to landfill

Figure 12 Biodegradable Municipal Waste (BMW) landfilled, KPI(g), 2005/06 – 2009/10

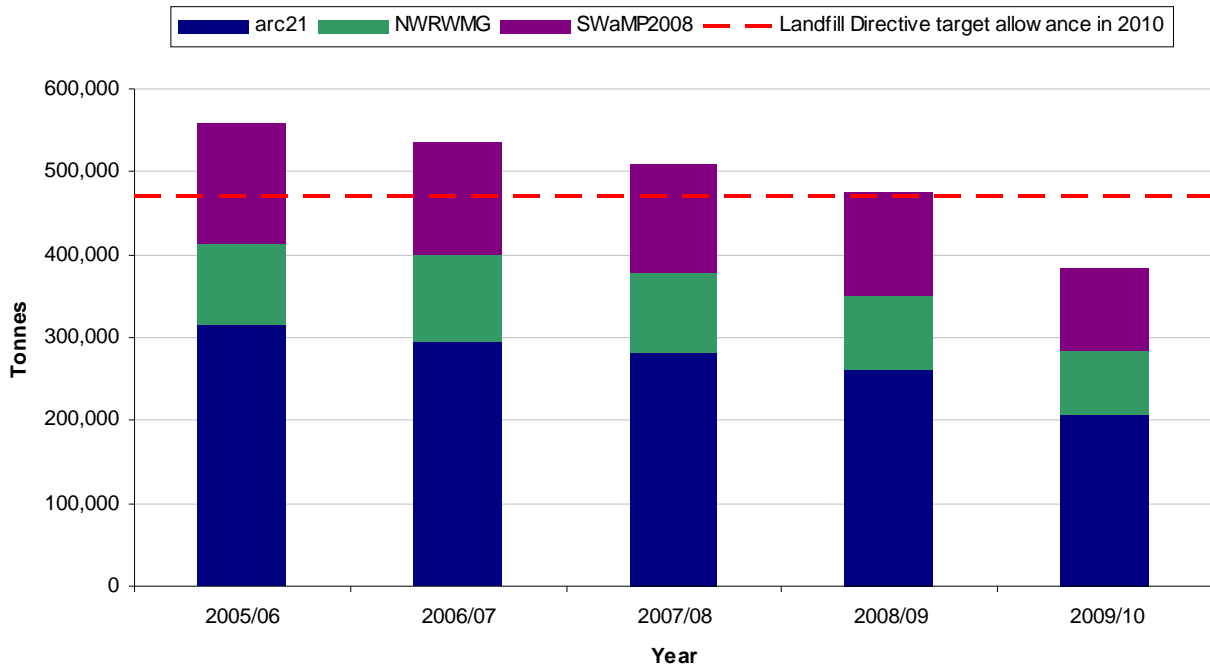


Table 12 Biodegradable Municipal Waste (BMW) landfilled, KPI(g), 2005/06 – 2009/10

	2005/06	2006/07	2007/08	2008/09	2009/10	Unit: Tonnes 2009/10 Allowance
arc21	316,732	295,624	280,735	261,721	208,486	251,882
NWRWMG	95,481	104,257	98,762	89,558	74,958	89,283
SWaMP2008	145,796	135,855	130,707	123,801	99,885	128,837
<b>Northern Ireland</b>	<b>558,009</b>	<b>535,736</b>	<b>510,205</b>	<b>475,080</b>	<b>383,329</b>	<b>470,000</b>
<i>Source: NIEA</i>						

- In 2009/10, 383,329 tonnes of biodegradable municipal waste (BMW) was landfilled which equates to 81.6% of the 2009/10 landfill allowance allocation for Northern Ireland. The first Landfill Directive target year (2010) sets a target of no more than 470,000 tonnes of BMW to be landfilled in 2010. This was achieved in 2009/10.
- The amount of BMW sent to landfill has been decreasing year-on-year since 2005/06, and has decreased by 31% since 2005/06.
- Table 20 in the appendix to this report shows a further breakdown of these figures by district council.

## Glossary

Term	Explanation
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
Key Performance Indicators (KPIs)	A set of measures used to gauge performance in terms of meeting waste strategy targets.
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.
Clean Material Recovery Facility (MRF)	A specialised plant that receives <b>source segregated recyclable materials</b> (such as co-mingled or mixed dry recyclables) in order to separate & prepare them for marketing to end-user manufacturers.
Dirty Material Recovery Facility (MRF)	A specialised plant that receives <b>mixed municipal and / or residual wastes</b> from other processes (such as Clean MRFs) in order to separate & prepare recyclable materials for marketing to end-user manufacturers.
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.
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 ( <a href="http://www.wastedataflow.org">www.wastedataflow.org</a> )
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.
Refuse Derived Fuel (RDF)	Consists largely of organic components of municipal waste (such as plastics and biodegradable waste). This can then be used in a variety of ways to generate electricity, most commonly as an additional fuel used with coal in power stations or in cement kilns.

<b>Term</b>	<b>Explanation</b>
NILAS	Northern Ireland Landfill Allowance Scheme
<i>Recycled material types</i>	
Glass	Brown, clear, green and mixed glass
Metal	Aluminium, mixed and steel cans, aluminium foil, bicycles, aerosols, gas bottles, fire extinguishers and other scrap metal
Paper & Card	Books, card, mixed paper and card, paper, yellow pages and cardboard beverage packaging
Plastics	PET(1), HDPE(2), PVC(3), LDPE(4), PP(5), PS(6), other plastics(7), mixed plastic bottles, and plastics
WEEE (Waste Electrical & Electronic Equipment)	Large and small domestic appliances, cathode ray tubes, fluorescent tubes and other light bulbs, and fridges and freezers
Compostables	Green waste only, green garden waste only, mixed garden and food waste, waste food only, other compostable waste (excluding wood)
Other waste	All other recycled material collected including textiles, wood, rubble, batteries, paints, oils and other unclassified materials.
<i>Waste collected for disposal to landfill</i>	
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

## **User Information**

This section contains some information about the quality of the data used in the Northern Ireland Municipal Waste Management Statistics Annual 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 19), are taken from the 2009 mid-year population estimates that are produced by NISRA. This differs from the quarterly reports which have used the 2008 mid-year population estimates. Household data used to calculate KPI(h), Household waste arisings per household (see appendix Table 18), are based on the number of households at the 2001 Northern Ireland Census plus quarterly housing completion figures provided by the Department for Social Development. This source is used to ensure that the number of households is updated quarterly.

### **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 year, between the current and preceding quarter and the corresponding quarter from the previous year are all queried with the data provider.

In addition to the quarterly and end-of-year validations, NIEA carry out a year round programme of audits of WDF returns by individual district councils. These audits were conducted under Regulation 10 (6)(a) of the NILAS Regulations. District councils were selected from each WMG and contacted by telephone, letter and e-mail informing them of NIEA's intention to audit. The audit involved checking and confirming relevant data which was submitted as a NILAS return to the Monitoring Authority via WDF. One quarter of each district council's municipal waste returns was selected, generally being the most recent submission. The areas being inspected related to:-

1. Landfilling of municipal waste.
2. Collection, recycling, reuse and recovery of municipal waste.
3. The standard of reporting / evidence for end destinations of recycled materials.

District councils were asked to provide original documentation to support those reported figures in the WDF system for the quarter in question. Any anomalies or discrepancies were subsequently queried with the relevant district council. As WDF data can usually only be amended at district council level, it was necessary to 'reject' or release the data back to the waste management group and subsequently back to the district council so that it might be corrected as appropriate.

### **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 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.

This report has retained the reference to municipal waste in the release title and contents to maintain consistency with the previous releases in the reporting year. However, for future reporting, 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 annual figures and refer to the stated period. These annual figures are the final, validated figures for the year and supersede those figures published in the quarterly reports for the period.
- 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. For these reasons, very small increases or decreases in figures (< 0.5%) are not highlighted in the commentary and should be interpreted with care.
- 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 materials that can be reused, e.g. rubble.
- 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.
- In Figure 4 and Table 4, the amount of municipal waste sent for reuse has been calculated as a residual amount of municipal waste after municipal waste sent to landfill and sent for recycling (including composting) has been accounted for, instead of being extracted directly from the WasteDataFlow system.
- Whilst tonnages may be summed over district councils and / or waste management groups 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 annual report provides final validated information on several key performance indicators (KPIs) used to assess progress towards achieving municipal waste targets.
- Craigavon Borough Council sends all of its residual waste to a dirty MRF, the majority of which is landfilled. Most other councils send smaller amounts to dirty MRFs from the likes of civic amenity sites, which tend to have a much higher recovery rate. District councils in arc21 send their mixed dry recyclables to clean MRFs firstly, before sending any contaminated materials subsequently rejected to dirty MRFs, which explains their much lower input at dirty MRFs compared to the other two waste management groups.
- Under the NILAS regulations district councils have been allocated a number of allowances (each allowance represents 1 tonne of BMW) for each year till 2019/20. However in any scheme year a district council may transfer allowances to other district councils in order to ensure that each district council does not exceed the amount of BMW it is permitted to send to landfill. Thus the councils with lower % utilisations after transfers are not necessarily better performers in terms of BMW sent to landfill as any councils which has transferred allowances to other councils will show a higher % utilisation than would be expected. These figures are detailed more fully in section 5 of the NILAS 2009/10 Annual Report published by NIEA on the 2<sup>nd</sup> December 2010.

## Web links

Municipal waste information for Northern Ireland

[http://www.ni-environment.gov.uk/waste-home/municipal\\_data\\_reporting.htm](http://www.ni-environment.gov.uk/waste-home/municipal_data_reporting.htm)

NI Waste management strategy 2006 to 2020

<http://www.ni-environment.gov.uk/wms.17.pdf>

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](http://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](http://wales.gov.uk/topics/environmentcountryside/epq/waste_recycling/bysector/municipal/?lang=en)

## 2009/10 Annual Report Appendix

### **Revision to the Northern Ireland Municipal Waste Management Statistics Annual Report, 2009/10.**

A revision has been made to the Northern Ireland Municipal Waste Management Statistics Annual Report, 2009/10. This revision relates to KPI (b) 'Household waste sent to landfill as a percentage of household waste arisings', which is presented in Table 16 of the Excel appendix. In calculating this indicator, the spreadsheet incorrectly linked to the 2008/09 household waste arisings in the denominator rather than the correct 2009/10 year. This has had an impact on Table 16 (T16-HHW landfill) and chart 19 (C16-HHW landfill) in the appendix. As a result, within the Annual report, the summary and detailed figures for KPI (b) appearing at pages 4, 19, 43 and the chart on page 44 have also been revised. It did not impact to any significant extent on the conclusions noted in the original commentary relating to KPI (b), and only changed the overall NI figure by 0.3 percentage points.

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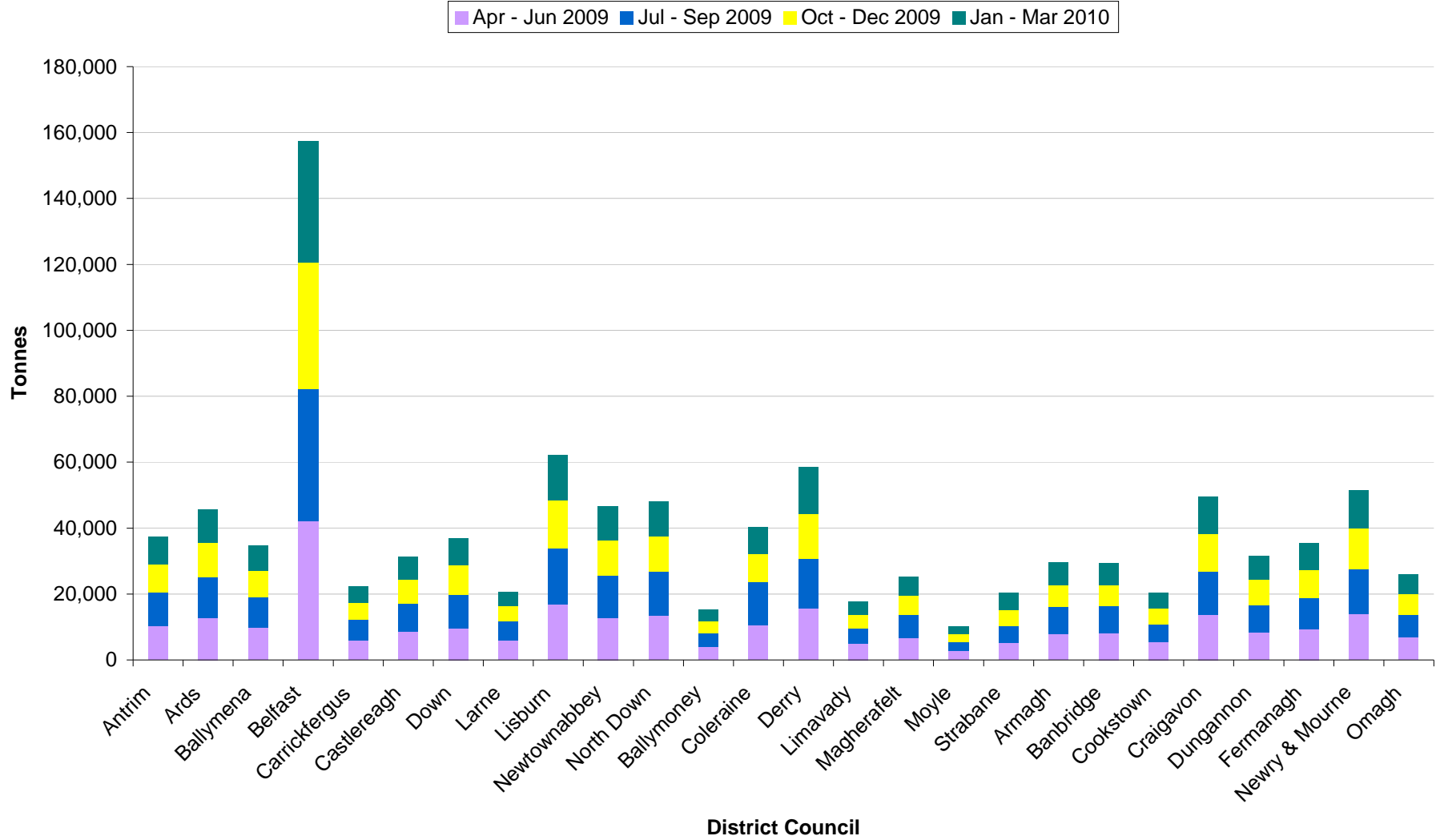
**Table 1: Municipal waste arisings, KPI(j), per quarter for Northern Ireland, 2009/10**

Unit: Tonnes  
KPI(j)

Area	Apr - Jun 2009	Jul - Sep 2009	Oct - Dec 2009	Jan - Mar 2010	2009/10 Total
<b>arc21</b>					
Antrim	10,303	10,107	8,651	8,317	<b>37,378</b>
Ards	12,648	12,459	10,417	10,158	<b>45,682</b>
Ballymena	9,764	9,314	7,897	7,686	<b>34,661</b>
Belfast	42,024	40,266	38,242	36,789	<b>157,321</b>
Carrickfergus	6,093	6,142	5,116	4,956	<b>22,308</b>
Castlereagh	8,679	8,448	7,302	6,797	<b>31,226</b>
Down	9,699	10,053	8,916	8,299	<b>36,968</b>
Larne	5,787	6,037	4,564	4,371	<b>20,758</b>
Lisburn	16,961	16,884	14,549	13,816	<b>62,211</b>
Newtownabbey	12,657	13,034	10,580	10,349	<b>46,620</b>
North Down	13,440	13,290	10,638	10,698	<b>48,067</b>
All arc21	<b>148,056</b>	<b>146,035</b>	<b>126,874</b>	<b>122,237</b>	<b>543,200</b>
<b>NWRWMG</b>					
Ballymoney	3,992	4,157	3,731	3,429	<b>15,309</b>
Coleraine	10,589	13,213	8,287	8,147	<b>40,236</b>
Derry	15,642	14,955	13,721	14,151	<b>58,469</b>
Limavady	4,911	4,753	4,019	4,092	<b>17,776</b>
Magherafelt	6,725	6,854	5,919	5,799	<b>25,296</b>
Moyle	2,677	2,869	2,295	2,247	<b>10,089</b>
Strabane	5,258	5,139	4,772	5,141	<b>20,311</b>
All NWRWMG	<b>49,795</b>	<b>51,940</b>	<b>42,745</b>	<b>43,006</b>	<b>187,486</b>
<b>SWaMP2008</b>					
Armagh	7,957	8,028	6,831	6,843	<b>29,659</b>
Banbridge	8,113	8,150	6,467	6,591	<b>29,320</b>
Cookstown	5,401	5,404	4,840	4,694	<b>20,339</b>
Craigavon	13,571	13,361	11,301	11,229	<b>49,461</b>
Dungannon	8,483	8,065	7,765	7,139	<b>31,452</b>
Fermanagh	9,450	9,263	8,651	8,233	<b>35,596</b>
Newry & Mourne	14,057	13,645	12,161	11,629	<b>51,493</b>
Omagh	6,941	6,842	6,276	5,955	<b>26,013</b>
All SWaMP2008	<b>73,973</b>	<b>72,757</b>	<b>64,291</b>	<b>62,313</b>	<b>273,334</b>
Northern Ireland	<b>271,823</b>	<b>270,732</b>	<b>233,910</b>	<b>227,555</b>	<b>1,004,020</b>

Source: NIEA

**KPI(j) - Municipal waste arisings per quarter in Northern Ireland by district council, 2009/10**



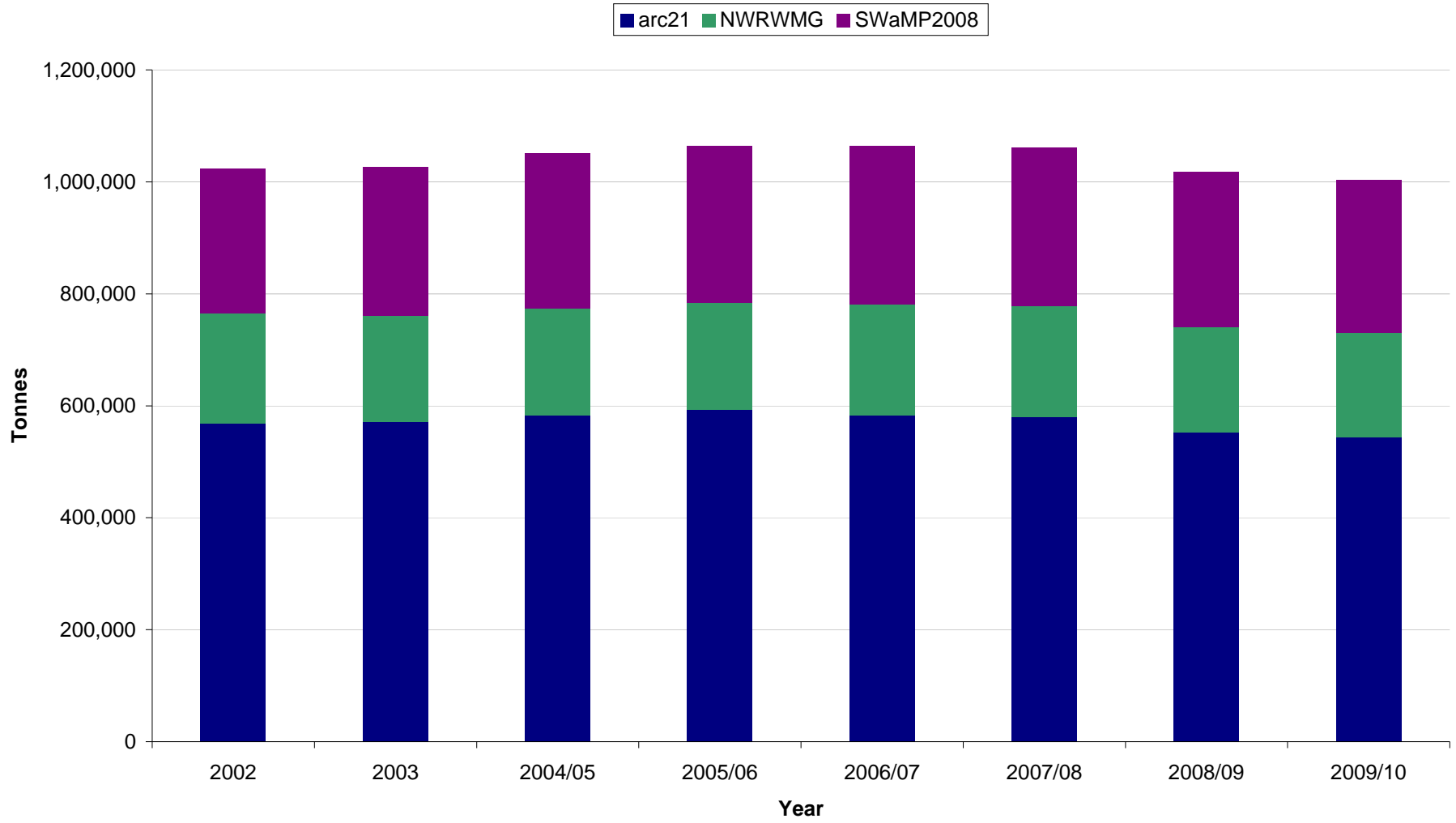
**Table 2: Municipal waste arisings, KPI(j), and growth rate, KPI(n), for Northern Ireland, 2002 - 2009/10**

								Unit: Tonnes
Area	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
<b>arc21</b>								
Antrim	31,327	29,759	35,956	35,919	36,792	37,844	37,304	37,378
Ards	47,112	46,804	49,619	48,948	48,673	49,308	46,238	45,682
Ballymena	32,907	35,007	37,714	38,730	38,268	34,977	35,409	34,661
Belfast	163,800	163,750	170,476	175,592	167,361	163,931	158,443	157,321
Carrickfergus	25,484	25,249	24,676	25,831	24,188	23,395	22,732	22,308
Castlereagh	36,550	35,566	32,654	34,735	33,525	33,414	31,795	31,226
Down	38,276	39,962	37,921	34,304	35,569	37,882	38,339	36,968
Larne	20,100	19,940	21,171	22,046	21,587	21,633	20,738	20,758
Lisburn	70,840	71,644	70,930	68,957	67,245	66,967	62,848	62,211
Newtownabbey	49,226	49,606	46,764	51,379	52,726	53,181	48,806	46,620
North Down	52,560	53,965	55,624	56,751	57,812	58,448	50,400	48,067
All arc21	<b>568,182</b>	<b>571,250</b>	<b>583,505</b>	<b>593,192</b>	<b>583,747</b>	<b>580,981</b>	<b>553,054</b>	<b>543,200</b>
<b>NWRWVG</b>								
Ballymoney	21,563	18,876	14,765	15,188	15,923	14,977	14,875	15,309
Coleraine	40,015	43,388	46,267	44,962	43,860	41,477	39,496	40,236
Derry	55,305	51,925	54,922	56,324	61,174	61,316	59,367	58,469
Limavady	16,417	18,556	17,901	18,311	18,314	20,812	17,951	17,776
Magherafelt	27,204	22,383	22,605	23,817	24,387	24,751	24,260	25,296
Moyle	10,833	9,666	10,326	10,681	10,664	10,712	10,023	10,089
Strabane	25,817	25,273	23,396	21,457	22,688	22,970	21,185	20,311
All NWRWVG	<b>197,153</b>	<b>190,066</b>	<b>190,181</b>	<b>190,741</b>	<b>197,010</b>	<b>197,015</b>	<b>187,158</b>	<b>187,486</b>
<b>SWaMP2008</b>								
Armagh	28,624	31,024	30,643	29,130	29,198	29,564	29,210	29,659
Banbridge	24,194	26,504	26,295	26,407	26,440	27,505	27,789	29,320
Cookstown	19,031	19,662	20,031	21,198	21,734	21,173	20,462	20,339
Craigavon	51,759	53,089	55,632	53,882	54,553	52,735	50,901	49,461
Dungannon	27,321	28,141	29,391	29,808	31,330	32,472	31,339	31,452
Fermanagh	32,541	33,626	36,240	37,766	40,295	41,146	37,850	35,596
Newry & Mourne	44,856	44,087	50,411	51,754	53,231	51,781	51,064	51,493
Omagh	29,471	29,232	28,387	29,632	26,552	26,737	28,388	26,013
All SWaMP2008	<b>257,797</b>	<b>265,364</b>	<b>277,030</b>	<b>279,577</b>	<b>283,333</b>	<b>283,112</b>	<b>277,004</b>	<b>273,334</b>
Northern Ireland	<b>1,023,133</b>	<b>1,026,679</b>	<b>1,050,716</b>	<b>1,063,510</b>	<b>1,064,090</b>	<b>1,061,108</b>	<b>1,017,215</b>	<b>1,004,020</b>

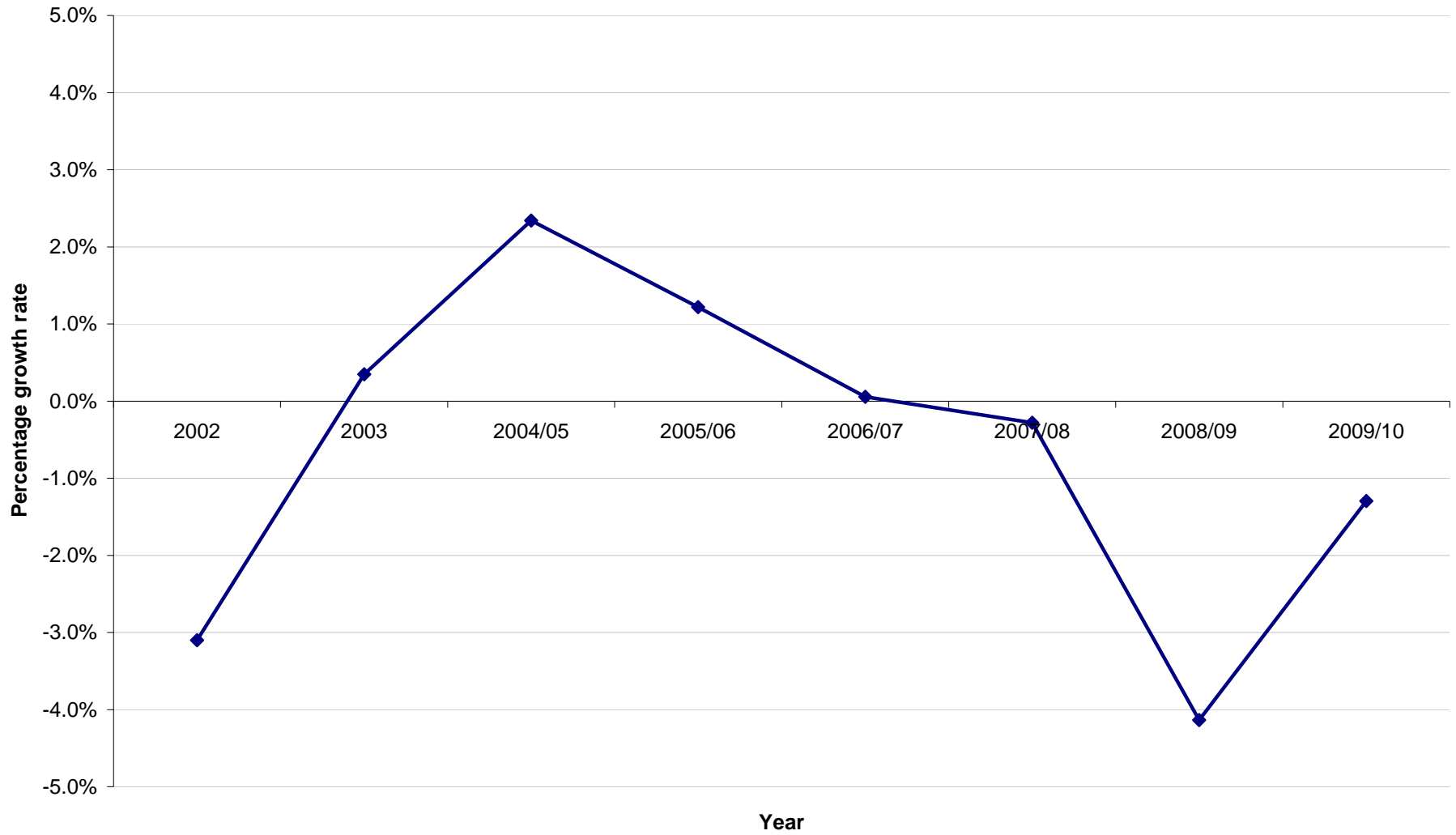
<b>Municipal waste arisings % growth rate, KPI(n)</b>	<b>-3.1%</b>	<b>0.3%</b>	<b>2.3%</b>	<b>1.2%</b>	<b>0.1%</b>	<b>-0.3%</b>	<b>-4.1%</b>	<b>-1.3%</b>
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Source: NIEA

**KPI(j) - Municipal waste arisings in Northern Ireland by waste management group,  
2002 - 2009/10**



**KPI(n) - Municipal waste arisings % growth rate, 2002 - 2009/10**

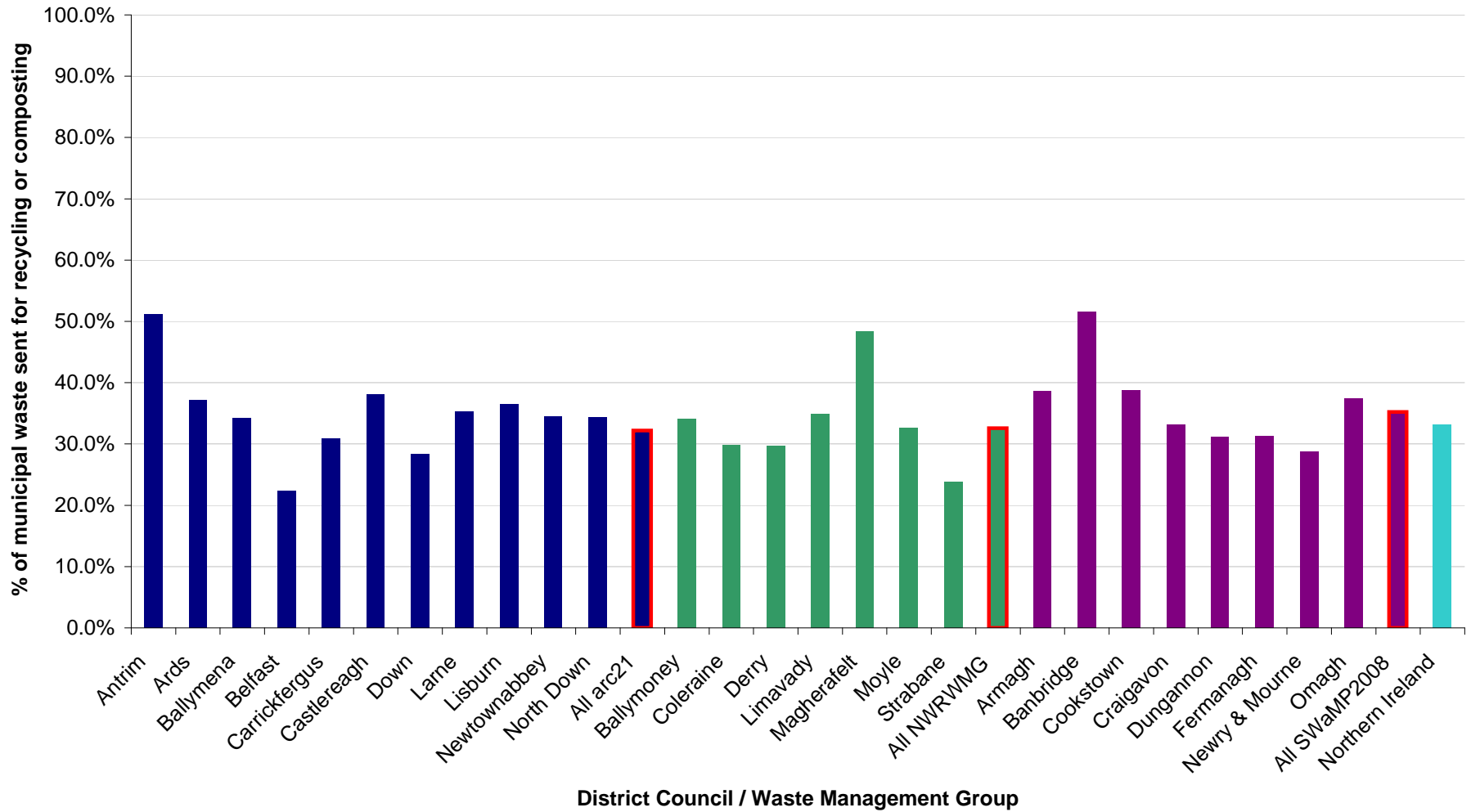


**Table 3: Municipal waste sent for recycling & composting, KPI(e), and landfilled, KPI(f), for Northern Ireland, 2009/10**

Area	KPI(j)				KPI (e)			KPI(f)	
	Municipal waste arisings (tonnes)	Municipal dry recycling (tonnes)	Municipal composting (tonnes)	Total municipal dry recycling & composting (tonnes)	Municipal dry recycling rate	Municipal composting rate	Municipal waste sent for recycling (inc composting) as a % of municipal waste arisings	Municipal waste landfilled (tonnes)	Municipal waste landfilled as a % of total municipal waste arisings
<b>arc21</b>									
Antrim	37,378	11,118	8,008	<b>19,126</b>	29.7%	21.4%	51.2%	18,024	48.2%
Ards	45,682	8,605	8,383	<b>16,988</b>	18.8%	18.4%	37.2%	28,640	62.7%
Ballymena	34,661	6,307	5,532	<b>11,839</b>	18.2%	16.0%	34.2%	22,818	65.8%
Belfast	157,321	24,116	10,994	<b>35,110</b>	15.3%	7.0%	22.3%	122,079	77.6%
Carrickfergus	22,308	3,937	2,955	<b>6,892</b>	17.6%	13.2%	30.9%	15,416	69.1%
Castlereagh	31,226	6,627	5,254	<b>11,881</b>	21.2%	16.8%	38.0%	19,201	61.5%
Down	36,968	6,424	4,037	<b>10,461</b>	17.4%	10.9%	28.3%	26,460	71.6%
Larne	20,758	4,071	3,260	<b>7,332</b>	19.6%	15.7%	35.3%	13,407	64.6%
Lisburn	62,211	12,474	10,209	<b>22,682</b>	20.1%	16.4%	36.5%	39,440	63.4%
Newtownabbey	46,620	7,909	8,187	<b>16,096</b>	17.0%	17.6%	34.5%	30,371	65.1%
North Down	48,067	8,960	7,577	<b>16,537</b>	18.6%	15.8%	34.4%	28,886	60.1%
<b>All arc21</b>	<b>543,200</b>	<b>100,549</b>	<b>74,395</b>	<b>174,944</b>	<b>18.5%</b>	<b>13.7%</b>	<b>32.2%</b>	<b>364,742</b>	<b>67.1%</b>
<b>NWRWMG</b>									
Ballymoney	15,309	3,043	2,175	<b>5,218</b>	19.9%	14.2%	34.1%	9,995	65.3%
Coleraine	40,236	8,104	3,894	<b>11,998</b>	20.1%	9.7%	29.8%	26,819	66.7%
Derry	58,469	15,644	1,683	<b>17,327</b>	26.8%	2.9%	29.6%	41,142	70.4%
Limavady	17,776	4,471	1,727	<b>6,198</b>	25.2%	9.7%	34.9%	10,966	61.7%
Magherafelt	25,296	6,433	5,818	<b>12,251</b>	25.4%	23.0%	48.4%	12,589	49.8%
Moyle	10,089	2,645	648	<b>3,293</b>	26.2%	6.4%	32.6%	6,796	67.4%
Strabane	20,311	3,781	1,048	<b>4,830</b>	18.6%	5.2%	23.8%	15,404	75.8%
<b>All NWRWMG</b>	<b>187,486</b>	<b>44,122</b>	<b>16,992</b>	<b>61,114</b>	<b>23.5%</b>	<b>9.1%</b>	<b>32.6%</b>	<b>123,711</b>	<b>66.0%</b>
<b>SWaMP2008</b>									
Armagh	29,659	7,604	3,873	<b>11,477</b>	25.6%	13.1%	38.7%	18,117	61.1%
Banbridge	29,320	6,435	8,694	<b>15,128</b>	21.9%	29.7%	51.6%	14,192	48.4%
Cookstown	20,339	4,347	3,533	<b>7,880</b>	21.4%	17.4%	38.7%	12,354	60.7%
Craigavon	49,461	9,722	6,669	<b>16,391</b>	19.7%	13.5%	33.1%	31,984	64.7%
Dungannon	31,452	6,648	3,125	<b>9,773</b>	21.1%	9.9%	31.1%	21,510	68.4%
Fermanagh	35,596	8,662	2,483	<b>11,144</b>	24.3%	7.0%	31.3%	24,345	68.4%
Newry & Mourne	51,493	9,619	5,188	<b>14,807</b>	18.7%	10.1%	28.8%	36,686	71.2%
Omagh	26,013	6,091	3,641	<b>9,732</b>	23.4%	14.0%	37.4%	16,055	61.7%
<b>All SWaMP2008</b>	<b>273,334</b>	<b>59,127</b>	<b>37,206</b>	<b>96,334</b>	<b>21.6%</b>	<b>13.6%</b>	<b>35.2%</b>	<b>175,244</b>	<b>64.1%</b>
<b>Northern Ireland</b>	<b>1,004,020</b>	<b>203,798</b>	<b>128,594</b>	<b>332,392</b>	<b>20.3%</b>	<b>12.8%</b>	<b>33.1%</b>	<b>663,697</b>	<b>66.1%</b>

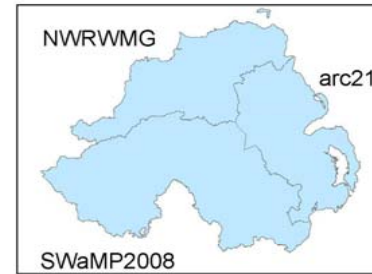
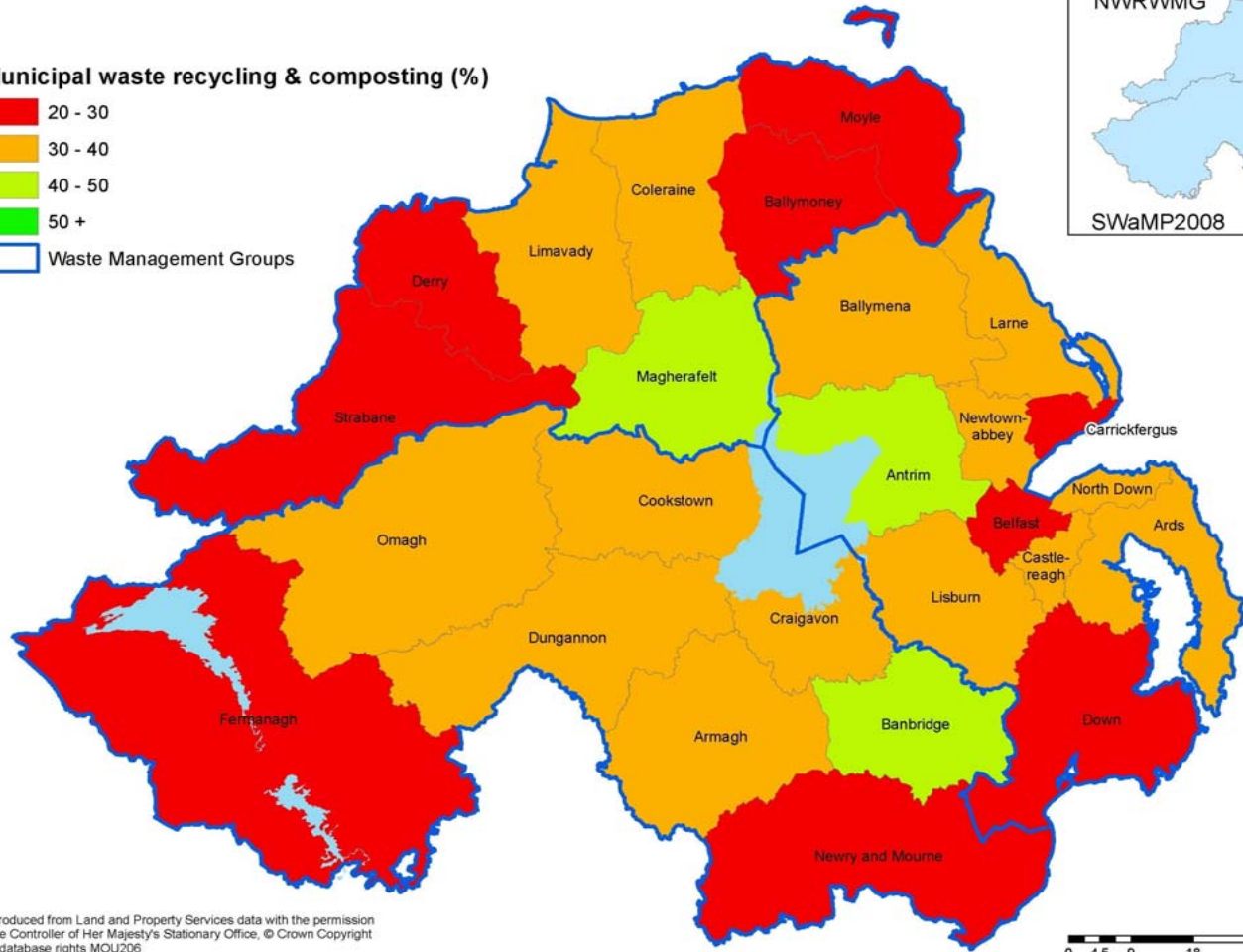
Source: NIEA

**KPI(e) - Municipal waste sent for recycling and composting as a percentage of total municipal waste arisings by district council and waste management group, 2009/10**



Municipal waste sent for recycling and composting as a % of total municipal waste arisings, 2008/09

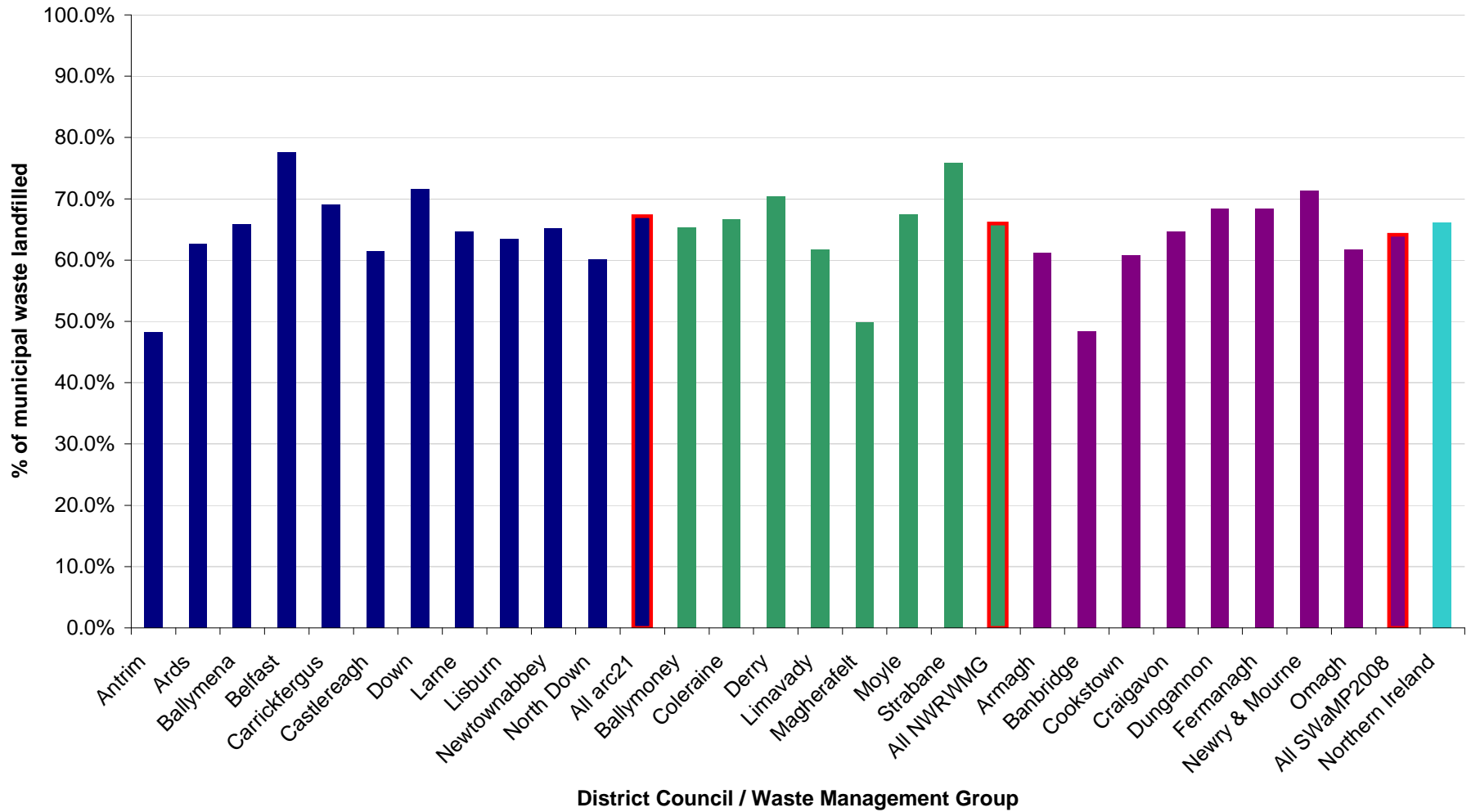
**Municipal waste recycling & composting (%)**



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**KPI(f) - Municipal waste landfilled as a percentage of total municipal waste arisings by district council and waste management group, 2009/10**

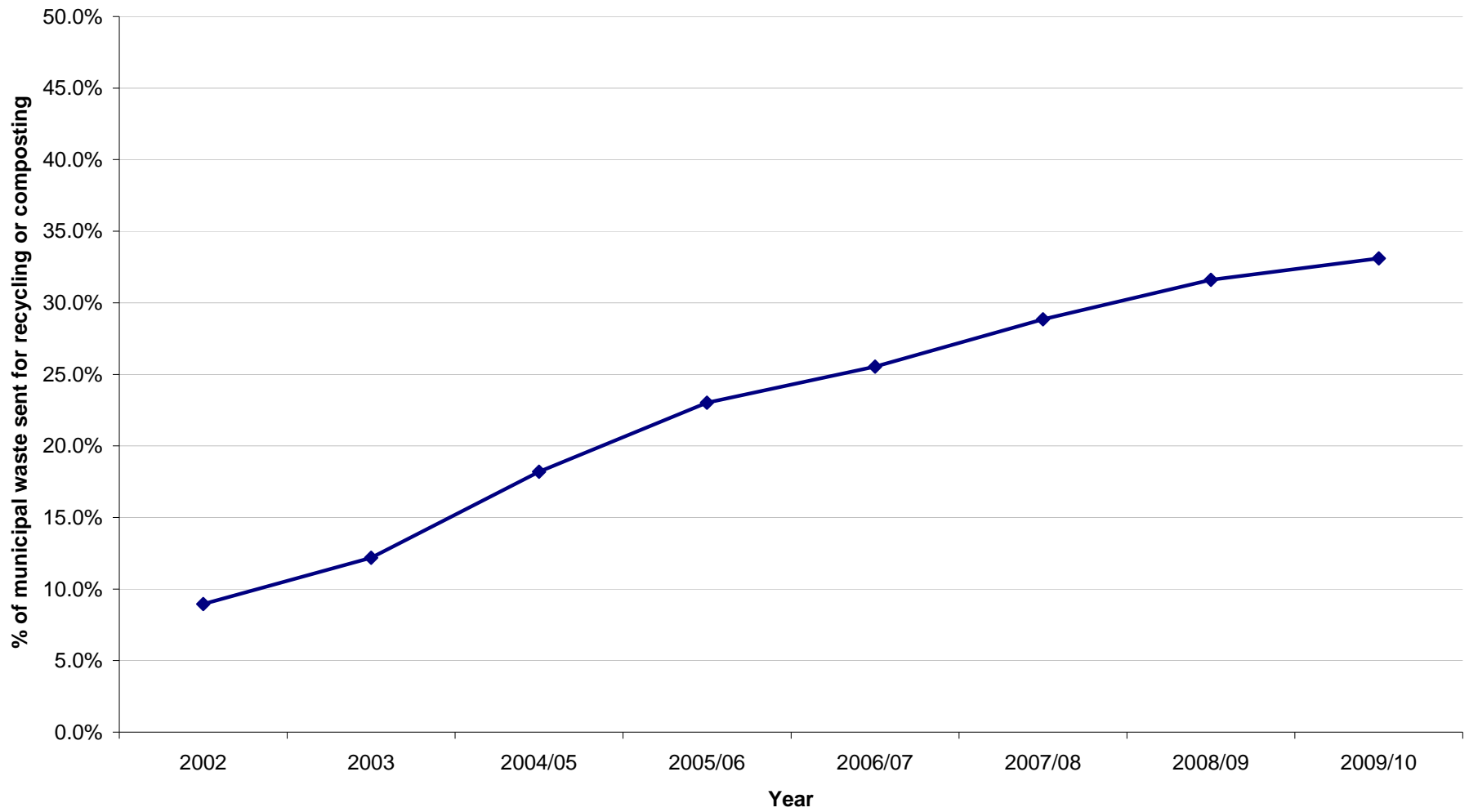


**Table 4: Municipal waste sent for recycling (inc composting) as a percentage of total municipal waste arisings, KPI(e), in Northern Ireland, 2002 - 2009/10**

	Unit: Percentage							
Area	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
<b>arc21</b>								
Antrim	18.6%	21.8%	39.8%	45.8%	47.1%	47.1%	49.6%	51.2%
Ards	9.0%	8.4%	19.4%	22.9%	24.5%	26.3%	31.8%	37.2%
Ballymena	20.1%	17.5%	21.6%	25.7%	26.5%	24.8%	35.3%	34.2%
Belfast	3.5%	3.9%	8.7%	13.0%	16.9%	20.7%	22.0%	22.3%
Carrickfergus	7.5%	8.8%	14.6%	15.0%	19.5%	29.3%	28.4%	30.9%
Castlereagh	4.7%	12.6%	22.7%	33.2%	35.6%	35.7%	37.0%	38.0%
Down	11.7%	13.3%	16.8%	29.2%	27.8%	26.0%	27.0%	28.3%
Larne	5.8%	8.7%	14.5%	23.1%	28.4%	32.1%	34.7%	35.3%
Lisburn	8.1%	8.5%	13.7%	21.1%	24.8%	31.6%	32.6%	36.5%
Newtownabbey	15.0%	15.4%	18.0%	20.9%	22.8%	26.9%	32.8%	34.5%
North Down	9.3%	16.2%	19.8%	20.1%	26.8%	30.6%	32.6%	34.4%
All arc21	<b>8.7%</b>	<b>10.4%</b>	<b>16.5%</b>	<b>21.5%</b>	<b>24.8%</b>	<b>27.9%</b>	<b>30.6%</b>	<b>32.2%</b>
<b>NWRWMG</b>								
Ballymoney	6.3%	7.5%	22.2%	21.4%	21.9%	24.0%	29.9%	34.1%
Coleraine	6.2%	10.6%	17.8%	24.0%	22.4%	25.6%	34.4%	29.8%
Derry	2.3%	6.0%	11.9%	28.3%	23.6%	28.3%	29.6%	29.6%
Limavady	3.5%	11.1%	24.1%	33.2%	28.1%	36.2%	33.5%	34.9%
Magherafelt	3.8%	14.4%	27.4%	32.1%	32.1%	35.5%	40.3%	48.4%
Moyle	1.9%	4.1%	9.5%	18.0%	21.1%	29.0%	28.1%	32.6%
Strabane	3.5%	7.3%	15.0%	18.7%	20.3%	21.0%	22.8%	23.8%
All NWRWMG	<b>4.0%</b>	<b>8.8%</b>	<b>17.4%</b>	<b>26.0%</b>	<b>24.1%</b>	<b>28.3%</b>	<b>31.6%</b>	<b>32.6%</b>
<b>SWaMP2008</b>								
Armagh	15.9%	22.8%	25.7%	29.1%	35.0%	38.5%	36.8%	38.7%
Banbridge	27.1%	34.5%	40.0%	40.7%	44.1%	45.4%	48.7%	51.6%
Cookstown	16.5%	20.0%	22.4%	26.8%	28.4%	33.4%	37.7%	38.7%
Craigavon	14.4%	21.5%	21.6%	25.6%	26.2%	29.0%	30.8%	33.1%
Dungannon	10.0%	12.1%	19.1%	19.2%	23.8%	28.2%	30.9%	31.1%
Fermanagh	9.6%	15.8%	18.9%	17.7%	24.3%	25.1%	27.0%	31.3%
Newry & Mourne	8.7%	12.3%	18.2%	22.7%	25.8%	26.0%	27.8%	28.8%
Omagh	8.5%	11.8%	17.9%	15.9%	23.6%	32.5%	40.0%	37.4%
All SWaMP2008	<b>13.2%</b>	<b>18.5%</b>	<b>22.3%</b>	<b>24.2%</b>	<b>28.1%</b>	<b>31.0%</b>	<b>33.6%</b>	<b>35.2%</b>
Northern Ireland	<b>8.9%</b>	<b>12.2%</b>	<b>18.2%</b>	<b>23.0%</b>	<b>25.5%</b>	<b>28.8%</b>	<b>31.6%</b>	<b>33.1%</b>

Source: NIEA

**KPI(e) - Municipal waste sent for recycling and composting as a percentage of total municipal waste arisings, 2002 - 2009/10**



**Table 5: Material types collected for recycling (inc composting) at kerbside in Northern Ireland, 2009/10**

Unit: Tonnes

Area	Glass	Metal	Paper	Plastic	Compostable (excluding all wood)	WEEE	Other waste collected	All recycled materials collected
<b>arc21</b>								
Antrim	0	81	2,090	177	3,406	0	140	<b>5,895</b>
Ards	0	137	3,791	324	6,021	0	248	<b>10,521</b>
Ballymena	933	138	1,983	300	3,988	0	40	<b>7,382</b>
Belfast	745	436	10,819	990	7,653	0	549	<b>21,192</b>
Carrickfergus	681	92	1,401	197	2,380	0	22	<b>4,773</b>
Castlereagh	813	220	2,699	340	4,325	37	82	<b>8,517</b>
Down	0	111	2,971	258	2,657	36	204	<b>6,236</b>
Larne	239	71	1,615	118	2,175	0	116	<b>4,333</b>
Lisburn	0	198	5,077	430	8,044	0	330	<b>14,080</b>
Newtownabbey	1,759	245	3,039	529	4,886	0	69	<b>10,528</b>
North Down	0	156	4,010	340	5,530	0	263	<b>10,299</b>
<b>All arc21</b>	<b>5,171</b>	<b>1,886</b>	<b>39,496</b>	<b>4,003</b>	<b>51,065</b>	<b>73</b>	<b>2,063</b>	<b>103,756</b>
<b>NWRWMG</b>								
Ballymoney	0	106	1,249	190	1,208	0	93	<b>2,846</b>
Coleraine	0	221	2,310	396	0	0	172	<b>3,099</b>
Derry	388	384	4,381	681	0	5	351	<b>6,190</b>
Limavady	61	139	1,507	217	857	0	321	<b>3,102</b>
Magherafelt	9	177	1,895	325	3,310	0	129	<b>5,845</b>
Moyle	0	62	706	116	0	0	48	<b>932</b>
Strabane	90	152	1,723	253	0	0	126	<b>2,345</b>
<b>All NWRWMG</b>	<b>549</b>	<b>1,241</b>	<b>13,772</b>	<b>2,178</b>	<b>5,375</b>	<b>5</b>	<b>1,240</b>	<b>24,359</b>
<b>SWaMP2008</b>								
Armagh	900	187	1,424	301	3,206	0	44	<b>6,061</b>
Banbridge	686	142	1,086	199	5,400	0	34	<b>7,547</b>
Cookstown	0	72	1,792	329	1,165	0	179	<b>3,537</b>
Craigavon	0	154	4,514	462	3,083	0	482	<b>8,695</b>
Dungannon	0	110	2,552	469	2,275	0	254	<b>5,661</b>
Fermanagh	624	210	4,013	922	0	0	197	<b>5,966</b>
Newry & Mourne	0	265	4,605	502	2,238	0	658	<b>8,268</b>
Omagh	120	110	2,235	474	1,787	0	237	<b>4,964</b>
<b>All SWaMP2008</b>	<b>2,330</b>	<b>1,251</b>	<b>22,221</b>	<b>3,657</b>	<b>19,155</b>	<b>0</b>	<b>2,086</b>	<b>50,699</b>
<b>Northern Ireland</b>	<b>8,050</b>	<b>4,377</b>	<b>75,489</b>	<b>9,838</b>	<b>75,595</b>	<b>78</b>	<b>5,388</b>	<b>178,815</b>

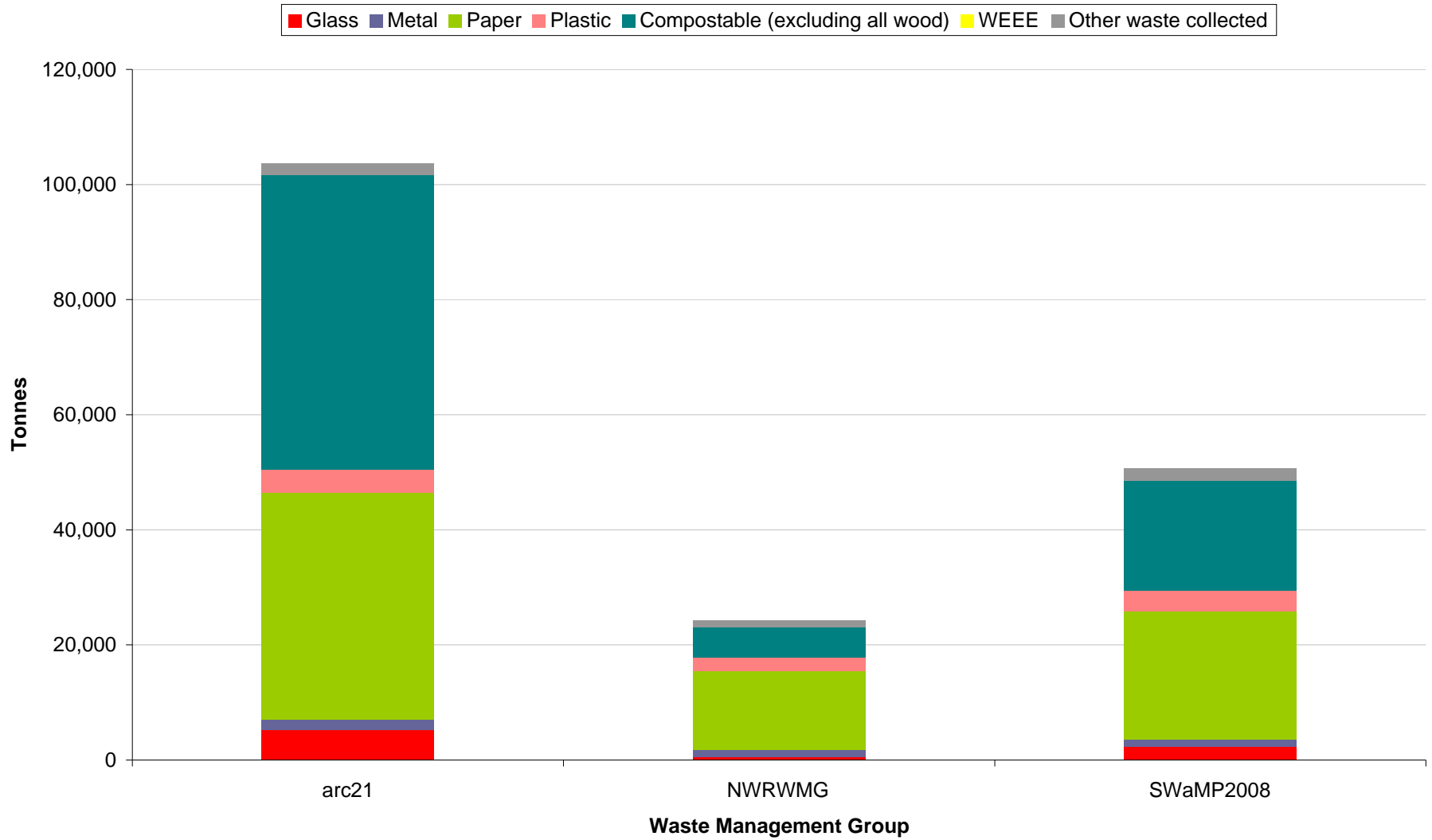
Source: NIEA

**Table 5a: Other material types collected for recycling (inc composting) at kerbside in Northern Ireland, 2009/10**

Area	Batteries	Oil	Paint	Rubble	Textiles	Wood	Unclassified	Unit: Tonnes
								All other waste collected
<b>arc21</b>								
Antrim	0	0	0	0	2	0	138	140
Ards	0	0	0	0	0	0	248	248
Ballymena	0	0	0	0	40	0	0	40
Belfast	0	0	0	0	42	0	507	549
Carrickfergus	0	0	0	0	21	0	0	22
Castlereagh	0	0	0	0	34	0	48	82
Down	0	0	0	0	0	0	204	204
Larne	0	0	0	0	0	0	116	116
Lisburn	0	0	0	0	0	0	330	330
Newtownabbey	0	0	0	0	69	0	0	69
North Down	0	0	0	0	0	0	263	263
All arc21	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>209</b>	<b>0</b>	<b>1,854</b>	<b>2,063</b>
<b>NWRWMG</b>								
Ballymoney	0	0	0	0	0	0	93	93
Coleraine	0	0	0	0	0	0	172	172
Derry	1	2	2	0	11	0	335	351
Limavady	0	0	0	0	19	201	101	321
Magherafelt	0	0	0	0	0	0	129	129
Moyle	0	0	0	0	0	0	48	48
Strabane	0	0	0	0	0	0	126	126
All NWRWMG	<b>1</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>30</b>	<b>201</b>	<b>1,004</b>	<b>1,240</b>
<b>SWaMP2008</b>								
Armagh	3	0	0	0	41	0	0	44
Banbridge	2	0	0	0	32	0	0	34
Cookstown	0	0	0	0	0	0	179	179
Craigavon	0	0	0	0	0	0	482	482
Dungannon	0	0	0	0	0	0	254	254
Fermanagh	0	0	0	0	0	0	197	197
Newry & Mourne	0	0	0	0	0	0	658	658
Omagh	0	0	0	0	0	0	237	237
All SWaMP2008	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>73</b>	<b>0</b>	<b>2,008</b>	<b>2,086</b>
Northern Ireland	<b>6</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>311</b>	<b>201</b>	<b>4,866</b>	<b>5,388</b>

Source: NIEA

**Material types collected for recycling at kerbside by waste management group, 2009/10**



**Table 6: Material types collected for recycling (inc composting) at civic amenity sites in Northern Ireland, 2009/10**

Unit: Tonnes

Area	Glass	Metal	Paper	Plastic	Compostable (excluding all wood)	WEEE	Other waste collected	All recycled materials collected
<b>arc21</b>								
Antrim	351	432	216	0	4,602	582	6,983	<b>13,167</b>
Ards	477	627	266	0	2,362	842	1,509	<b>6,083</b>
Ballymena	0	192	201	0	1,544	353	1,810	<b>4,099</b>
Belfast	1,275	1,244	1,230	25	3,301	2,335	4,334	<b>13,744</b>
Carrickfergus	24	230	42	0	575	299	760	<b>1,930</b>
Castlereagh	197	173	274	6	950	394	1,242	<b>3,236</b>
Down	211	363	407	0	1,311	390	828	<b>3,509</b>
Larne	114	274	185	4	1,086	321	846	<b>2,830</b>
Lisburn	296	564	283	3	2,165	1,022	3,857	<b>8,189</b>
Newtownabbey	123	427	345	37	3,240	793	496	<b>5,461</b>
North Down	470	571	167	2	2,079	757	4,356	<b>8,403</b>
All arc21	<b>3,540</b>	<b>5,097</b>	<b>3,615</b>	<b>77</b>	<b>23,213</b>	<b>8,088</b>	<b>27,020</b>	<b>70,650</b>
<b>NWRWMG</b>								
Ballymoney	75	163	101	0	967	241	313	<b>1,860</b>
Coleraine	412	301	336	0	3,894	548	1,565	<b>7,057</b>
Derry	423	546	396	0	1,683	904	850	<b>4,801</b>
Limavady	122	51	342	35	870	187	80	<b>1,686</b>
Magherafelt	259	223	350	23	2,508	362	1,677	<b>5,402</b>
Moyle	23	56	0	0	656	89	26	<b>851</b>
Strabane	103	152	92	0	1,048	172	646	<b>2,213</b>
All NWRWMG	<b>1,417</b>	<b>1,491</b>	<b>1,616</b>	<b>57</b>	<b>11,626</b>	<b>2,503</b>	<b>5,158</b>	<b>23,869</b>
<b>SWaMP2008</b>								
Armagh	205	274	666	26	1,361	359	2,270	<b>5,163</b>
Banbridge	507	304	1,021	41	3,017	370	2,128	<b>7,388</b>
Cookstown	103	235	245	16	1,742	258	1,566	<b>4,165</b>
Craigavon	293	525	391	0	3,586	771	1,358	<b>6,924</b>
Dungannon	208	248	336	0	1,746	451	1,132	<b>4,121</b>
Fermanagh	177	320	54	12	2,483	453	1,492	<b>4,990</b>
Newry & Mourne	118	435	420	0	2,960	693	1,202	<b>5,828</b>
Omagh	228	377	565	2	1,851	465	1,189	<b>4,679</b>
All SWaMP2008	<b>1,839</b>	<b>2,719</b>	<b>3,699</b>	<b>98</b>	<b>18,746</b>	<b>3,820</b>	<b>12,336</b>	<b>43,256</b>
Northern Ireland	<b>6,796</b>	<b>9,307</b>	<b>8,930</b>	<b>232</b>	<b>53,585</b>	<b>14,412</b>	<b>44,514</b>	<b>137,775</b>

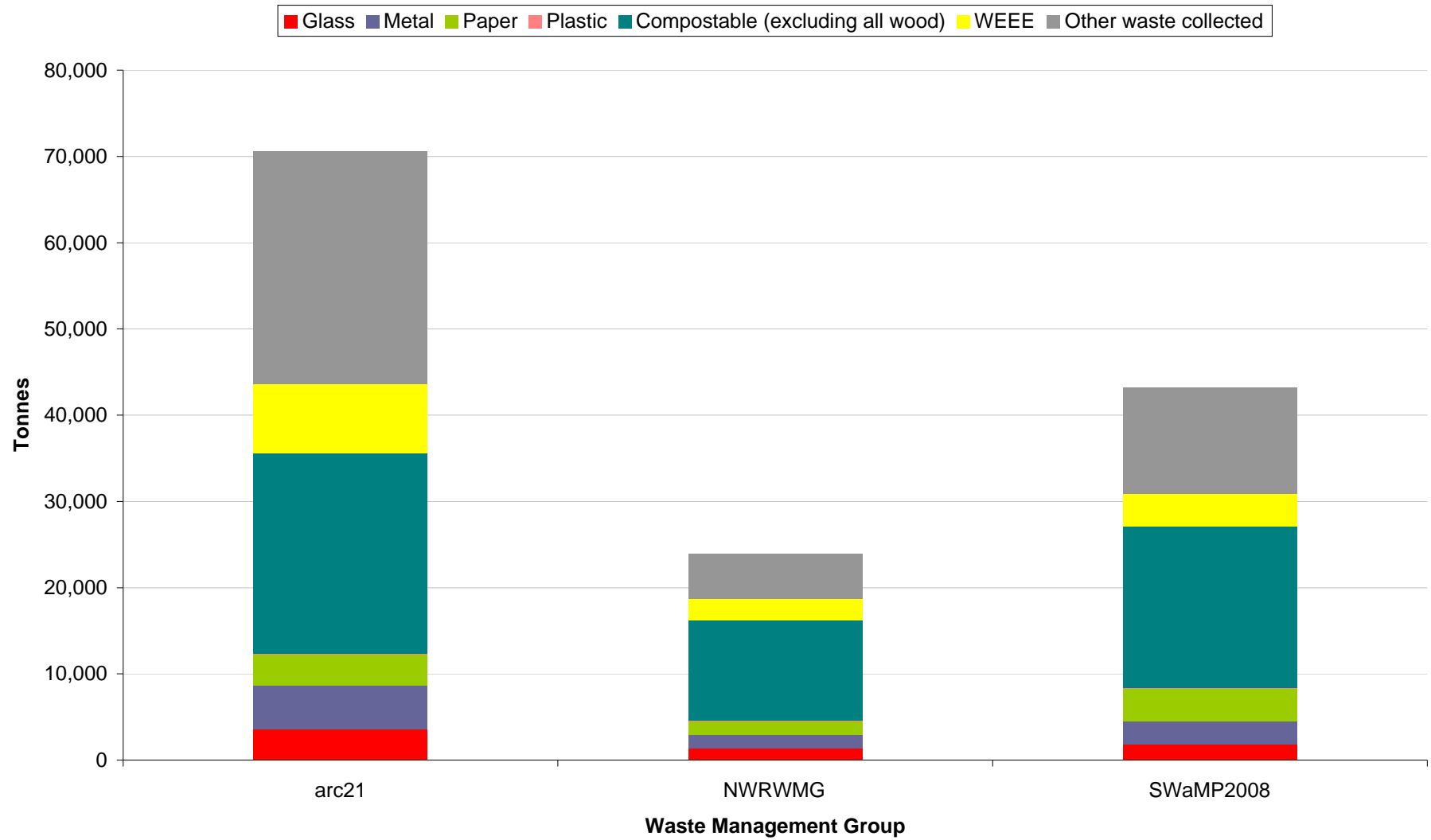
Source: NIEA

**Table 6a: Other material types collected for recycling (inc composting) at civic amenity sites in Northern Ireland, 2009/10**

Area	Batteries	Oil	Paint	Rubble	Textiles	Wood	Unclassified	Unit: Tonnes
								All other waste collected
<b>arc21</b>								
Antrim	12	6	34	4,573	95	2,262	2	<b>6,983</b>
Ards	24	28	25	0	75	1,357	0	<b>1,509</b>
Ballymena	12	8	8	952	0	829	0	<b>1,810</b>
Belfast	50	28	89	65	320	3,754	28	<b>4,334</b>
Carrickfergus	11	12	19	154	15	519	30	<b>760</b>
Castlereagh	10	8	40	691	53	428	11	<b>1,242</b>
Down	15	15	55	0	38	703	1	<b>828</b>
Larne	9	15	5	0	33	771	13	<b>846</b>
Lisburn	26	7	57	2,151	103	1,491	22	<b>3,857</b>
Newtownabbey	44	54	45	17	73	264	1	<b>496</b>
North Down	26	16	56	2,630	92	1,535	0	<b>4,356</b>
<b>All arc21</b>	<b>239</b>	<b>197</b>	<b>433</b>	<b>11,233</b>	<b>897</b>	<b>13,913</b>	<b>107</b>	<b>27,020</b>
<b>NWRWVG</b>								
Ballymoney	10	8	11	259	25	0	0	<b>313</b>
Coleraine	10	25	18	583	58	872	0	<b>1,565</b>
Derry	19	18	106	0	97	495	114	<b>850</b>
Limavady	2	13	12	0	41	12	0	<b>80</b>
Magherafelt	7	20	13	985	66	576	9	<b>1,677</b>
Moyle	3	8	7	0	5	0	3	<b>26</b>
Strabane	8	11	17	0	18	593	0	<b>646</b>
<b>All NWRWVG</b>	<b>58</b>	<b>103</b>	<b>186</b>	<b>1,827</b>	<b>310</b>	<b>2,548</b>	<b>126</b>	<b>5,158</b>
<b>SWaMP2008</b>								
Armagh	7	27	18	1,440	51	727	0	<b>2,270</b>
Banbridge	17	19	0	1,812	38	207	34	<b>2,128</b>
Cookstown	6	17	8	859	47	627	1	<b>1,566</b>
Craigavon	32	33	59	0	93	1,138	3	<b>1,358</b>
Dungannon	11	18	1	0	69	1,029	3	<b>1,132</b>
Fermanagh	14	33	26	0	80	1,330	10	<b>1,492</b>
Newry & Mourne	12	12	26	5	21	1,070	56	<b>1,202</b>
Omagh	14	17	32	383	39	701	3	<b>1,189</b>
<b>All SWaMP2008</b>	<b>112</b>	<b>176</b>	<b>169</b>	<b>4,500</b>	<b>438</b>	<b>6,829</b>	<b>111</b>	<b>12,336</b>
<b>Northern Ireland</b>	<b>410</b>	<b>477</b>	<b>787</b>	<b>17,560</b>	<b>1,645</b>	<b>23,290</b>	<b>345</b>	<b>44,514</b>

Source: NIEA

**Material types collected for recycling at civic amenity sites by waste management group, 2009/10**



**Table 7: Material types collected for recycling (inc composting) at bring sites in Northern Ireland, 2009/10**

Unit: Tonnes

Area	Glass	Metal	Paper	Plastic	Compostable (excluding all wood)	WEEE	Other waste collected	All recycled materials collected
<b>arc21</b>								
Antrim	104	27	6	0	0	0	31	<b>168</b>
Ards	583	0	0	0	0	0	24	<b>607</b>
Ballymena	210	5	85	0	0	0	62	<b>363</b>
Belfast	486	0	0	0	0	0	100	<b>586</b>
Carrickfergus	74	2	70	0	0	0	44	<b>190</b>
Castlereagh	173	3	6	1	0	0	37	<b>219</b>
Down	790	4	0	0	0	0	40	<b>834</b>
Larne	221	1	29	0	0	0	24	<b>276</b>
Lisburn	581	1	66	0	0	0	88	<b>736</b>
Newtownabbey	33	1	6	0	0	0	6	<b>46</b>
North Down	675	0	15	0	0	0	0	<b>690</b>
All arc21	<b>3,930</b>	<b>44</b>	<b>284</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>456</b>	<b>4,714</b>
<b>NWRWMG</b>								
Ballymoney	177	1	8	0	0	0	31	<b>217</b>
Coleraine	340	2	36	0	0	0	32	<b>409</b>
Derry	462	4	10	0	0	0	46	<b>521</b>
Limavady	190	0	0	0	0	0	24	<b>214</b>
Magherafelt	96	1	1	0	0	0	17	<b>115</b>
Moyle	182	1	10	0	0	0	35	<b>229</b>
Strabane	355	8	93	0	0	0	21	<b>477</b>
All NWRWMG	<b>1,801</b>	<b>17</b>	<b>158</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>207</b>	<b>2,183</b>
<b>SWaMP2008</b>								
Armagh	107	1	164	0	0	0	25	<b>297</b>
Banbridge	0	0	1	0	0	0	74	<b>74</b>
Cookstown	276	2	4	0	0	0	76	<b>357</b>
Craigavon	532	2	0	0	0	0	19	<b>553</b>
Dungannon	188	1	0	0	0	0	58	<b>246</b>
Fermanagh	420	1	24	0	0	0	47	<b>492</b>
Newry & Mourne	1,039	14	99	1	0	0	226	<b>1,378</b>
Omagh	267	1	3	0	0	0	53	<b>324</b>
All SWaMP2008	<b>2,829</b>	<b>21</b>	<b>295</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>578</b>	<b>3,722</b>
Northern Ireland	<b>8,560</b>	<b>82</b>	<b>736</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1,240</b>	<b>10,619</b>

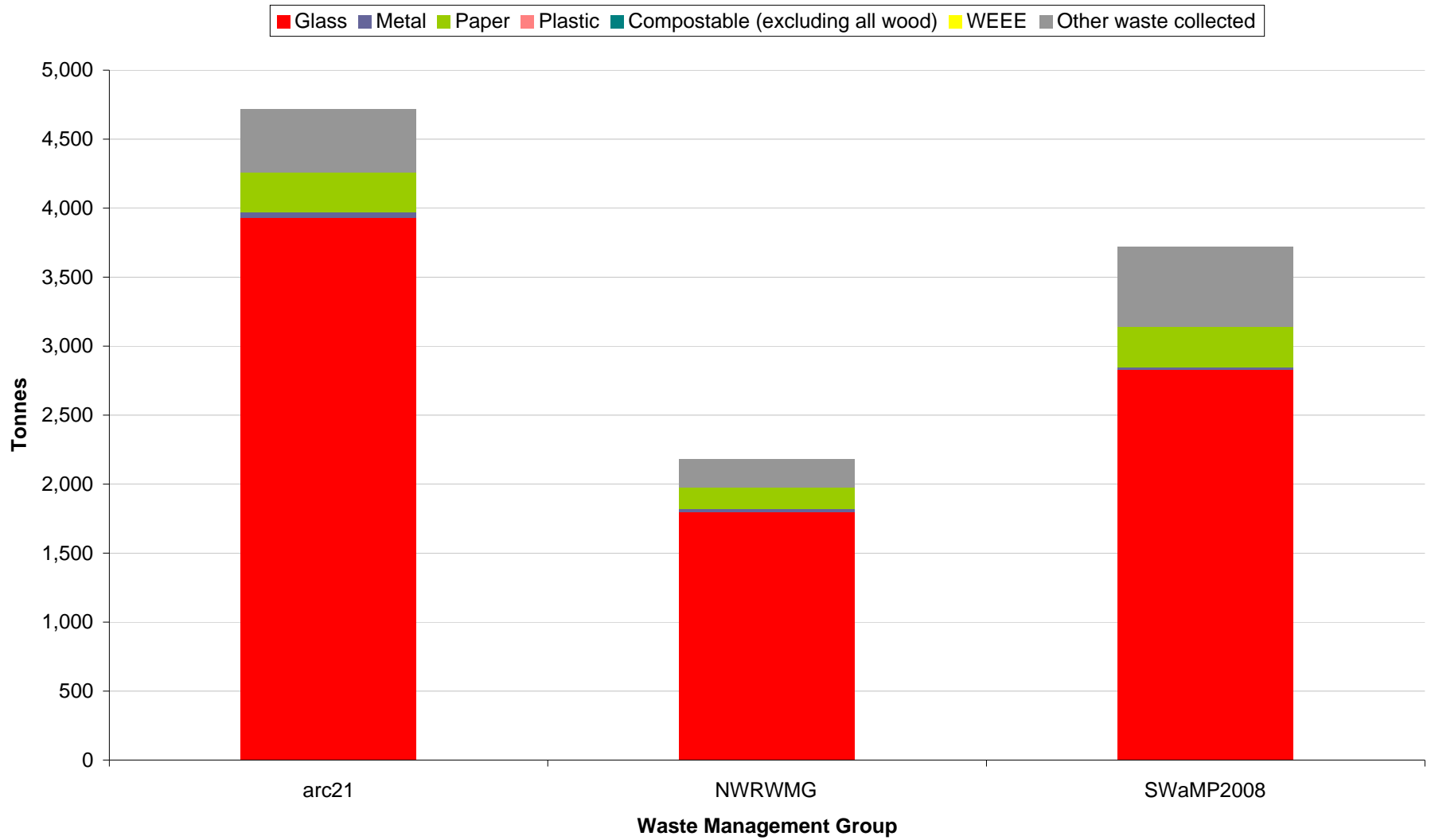
Source: NIEA

**Table 7a: Other material types collected for recycling (inc composting) at bring sites in Northern Ireland, 2009/10**

Area	Batteries	Oil	Paint	Rubble	Textiles	Wood	Unclassified	Unit: Tonnes
								All other waste collected
<b>arc21</b>								
Antrim	0	0	1	0	30	0	0	31
Ards	0	0	0	0	24	0	0	24
Ballymena	0	0	0	0	62	0	1	62
Belfast	0	0	0	0	100	0	0	100
Carrickfergus	0	0	0	0	44	0	0	44
Castlereagh	0	0	0	0	37	0	0	37
Down	0	0	0	0	40	0	0	40
Larne	0	0	0	0	24	0	0	24
Lisburn	0	0	0	0	88	0	0	88
Newtownabbey	0	0	0	0	6	0	0	6
North Down	0	0	0	0	0	0	0	0
All arc21	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>454</b>	<b>0</b>	<b>1</b>	<b>456</b>
<b>NWRWMG</b>								
Ballymoney	0	0	0	0	31	0	0	31
Coleraine	0	0	0	0	32	0	0	32
Derry	0	0	0	0	46	0	0	46
Limavady	0	0	0	0	24	0	0	24
Magherafelt	0	0	0	0	17	0	0	17
Moyle	0	0	0	0	35	0	0	35
Strabane	0	0	0	0	21	0	0	21
All NWRWMG	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>207</b>	<b>0</b>	<b>0</b>	<b>207</b>
<b>SWaMP2008</b>								
Armagh	0	0	0	0	25	0	0	25
Banbridge	0	0	0	0	74	0	0	74
Cookstown	0	0	0	0	76	0	0	76
Craigavon	0	0	0	0	19	0	0	19
Dungannon	0	0	0	0	58	0	0	58
Fermanagh	0	0	0	0	47	0	0	47
Newry & Mourne	0	0	0	0	226	0	0	226
Omagh	0	0	0	0	53	0	0	53
All SWaMP2008	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>578</b>	<b>0</b>	<b>0</b>	<b>578</b>
Northern Ireland	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1,238</b>	<b>0</b>	<b>1</b>	<b>1,240</b>

Source: NIEA

### Material types collected for recycling at bring sites by waste management group, 2009/10



**Table 8: Material types collected for recycling (inc composting) at kerbside, civic amenity sites and bring sites in Northern Ireland, 2009/10**

Unit: Tonnes

Area	Glass	Metal	Paper	Plastic	Compostable (excluding all wood)	WEEE	Other waste collected	All recycled materials collected
<b>arc21</b>								
Antrim	455	541	2,312	177	8,008	582	7,154	<b>19,230</b>
Ards	1,060	764	4,057	324	8,383	842	1,781	<b>17,211</b>
Ballymena	1,143	334	2,269	300	5,532	353	1,912	<b>11,843</b>
Belfast	2,506	1,680	12,049	1,015	10,954	2,335	4,983	<b>35,522</b>
Carrickfergus	779	325	1,513	197	2,955	299	825	<b>6,892</b>
Castlereagh	1,184	396	2,979	347	5,275	431	1,361	<b>11,972</b>
Down	1,001	477	3,378	258	3,968	426	1,072	<b>10,579</b>
Larne	574	347	1,829	122	3,260	321	986	<b>7,439</b>
Lisburn	878	763	5,426	433	10,209	1,022	4,274	<b>23,005</b>
Newtownabbey	1,915	672	3,390	566	8,126	793	572	<b>16,035</b>
North Down	1,145	728	4,192	342	7,609	757	4,619	<b>19,392</b>
All arc21	<b>12,640</b>	<b>7,027</b>	<b>43,395</b>	<b>4,080</b>	<b>74,279</b>	<b>8,161</b>	<b>29,538</b>	<b>179,121</b>
<b>NWRWMG</b>								
Ballymoney	252	270	1,357	190	2,175	241	437	<b>4,923</b>
Coleraine	752	523	2,682	396	3,894	548	1,769	<b>10,565</b>
Derry	1,272	934	4,787	681	1,683	909	1,247	<b>11,513</b>
Limavady	373	189	1,849	252	1,727	187	425	<b>5,002</b>
Magherafelt	365	401	2,246	347	5,818	362	1,823	<b>11,362</b>
Moyle	205	119	716	116	656	89	109	<b>2,012</b>
Strabane	548	312	1,908	253	1,048	172	794	<b>5,035</b>
All NWRWMG	<b>3,768</b>	<b>2,749</b>	<b>15,546</b>	<b>2,235</b>	<b>17,001</b>	<b>2,509</b>	<b>6,604</b>	<b>50,411</b>
<b>SWaMP2008</b>								
Armagh	1,212	462	2,254	327	4,568	359	2,339	<b>11,521</b>
Banbridge	1,193	446	2,108	240	8,417	370	2,235	<b>15,010</b>
Cookstown	379	309	2,041	345	2,906	258	1,821	<b>8,059</b>
Craigavon	824	681	4,905	462	6,669	771	1,859	<b>16,171</b>
Dungannon	396	359	2,888	469	4,021	451	1,444	<b>10,028</b>
Fermanagh	1,221	531	4,091	933	2,483	453	1,736	<b>11,448</b>
Newry & Mourne	1,156	714	5,125	503	5,198	693	2,086	<b>15,475</b>
Omagh	615	487	2,804	477	3,638	465	1,479	<b>9,966</b>
All SWaMP2008	<b>6,997</b>	<b>3,990</b>	<b>26,215</b>	<b>3,756</b>	<b>37,901</b>	<b>3,820</b>	<b>14,999</b>	<b>97,678</b>
Northern Ireland	<b>23,405</b>	<b>13,766</b>	<b>85,155</b>	<b>10,072</b>	<b>129,180</b>	<b>14,490</b>	<b>51,142</b>	<b>327,209</b>

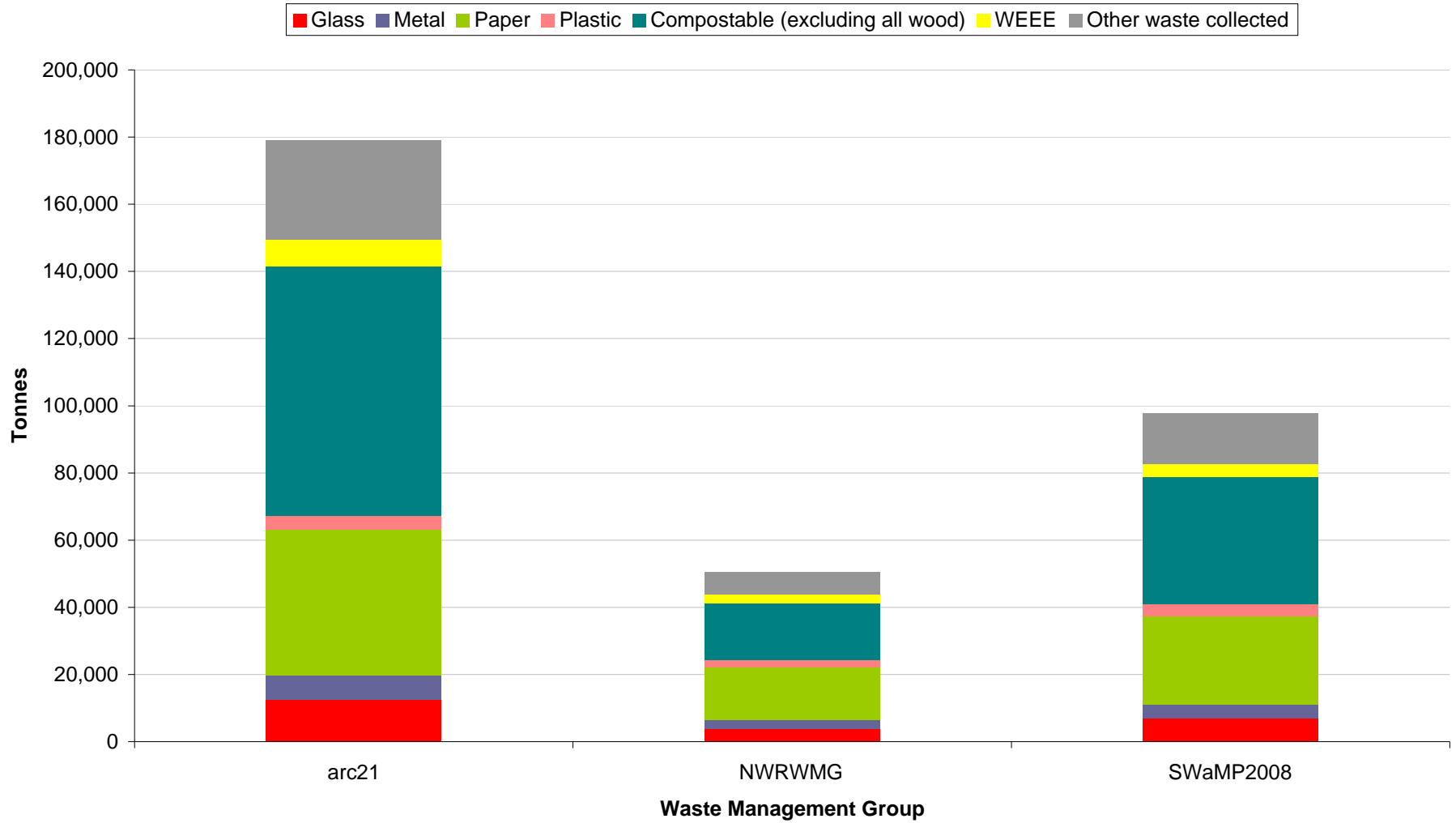
Source: NIEA

**Table 8a: Other material types collected for recycling (inc composting) at kerbside, civic amenity site and bring sites in Northern Ireland, 2009/10**

Area	Batteries	Oil	Paint	Rubble	Textiles	Wood	Unclassified	Unit: Tonnes
								All other waste collected
<b>arc21</b>								
Antrim	12	6	34	4,573	128	2,262	140	<b>7,154</b>
Ards	24	28	25	0	99	1,357	248	<b>1,781</b>
Ballymena	12	8	8	952	101	829	1	<b>1,912</b>
Belfast	50	28	89	65	462	3,754	535	<b>4,983</b>
Carrickfergus	11	12	19	154	80	519	30	<b>825</b>
Castlereagh	10	8	40	691	124	428	59	<b>1,361</b>
Down	15	15	55	0	78	703	205	<b>1,072</b>
Larne	9	15	5	0	57	771	129	<b>986</b>
Lisburn	26	7	57	2,151	190	1,491	352	<b>4,274</b>
Newtownabbey	44	54	45	17	148	264	1	<b>572</b>
North Down	26	16	56	2,630	92	1,535	263	<b>4,619</b>
All arc21	<b>239</b>	<b>197</b>	<b>434</b>	<b>11,233</b>	<b>1,560</b>	<b>13,913</b>	<b>1,962</b>	<b>29,538</b>
<b>NWRWVG</b>								
Ballymoney	10	8	11	259	56	0	93	<b>437</b>
Coleraine	10	25	18	583	90	872	172	<b>1,769</b>
Derry	20	20	108	0	155	495	449	<b>1,247</b>
Limavady	2	13	12	0	83	213	101	<b>425</b>
Magherafelt	7	20	13	985	83	576	138	<b>1,823</b>
Moyle	3	8	7	0	40	0	51	<b>109</b>
Strabane	8	11	17	0	39	593	126	<b>794</b>
All NWRWVG	<b>59</b>	<b>106</b>	<b>187</b>	<b>1,827</b>	<b>546</b>	<b>2,748</b>	<b>1,131</b>	<b>6,604</b>
<b>SWaMP2008</b>								
Armagh	10	27	18	1,440	117	727	0	<b>2,339</b>
Banbridge	19	19	0	1,812	144	207	34	<b>2,235</b>
Cookstown	6	17	8	859	123	627	180	<b>1,821</b>
Craigavon	32	33	59	0	112	1,138	485	<b>1,859</b>
Dungannon	11	18	1	0	127	1,029	257	<b>1,444</b>
Fermanagh	14	33	26	0	127	1,330	207	<b>1,736</b>
Newry & Mourne	12	12	26	5	247	1,070	714	<b>2,086</b>
Omagh	14	17	32	383	91	701	240	<b>1,479</b>
All SWaMP2008	<b>117</b>	<b>176</b>	<b>169</b>	<b>4,500</b>	<b>1,088</b>	<b>6,829</b>	<b>2,119</b>	<b>14,999</b>
Northern Ireland	<b>415</b>	<b>479</b>	<b>790</b>	<b>17,560</b>	<b>3,194</b>	<b>23,491</b>	<b>5,212</b>	<b>51,142</b>

Source: NIEA

**Material types collected for recycling at kerbside, civic amenity sites and bring sites by waste management group, 2009/10**



**Table 9: Municipal waste sent to Materials Recovery Facilities (MRF) in Northern Ireland, 2009/10**

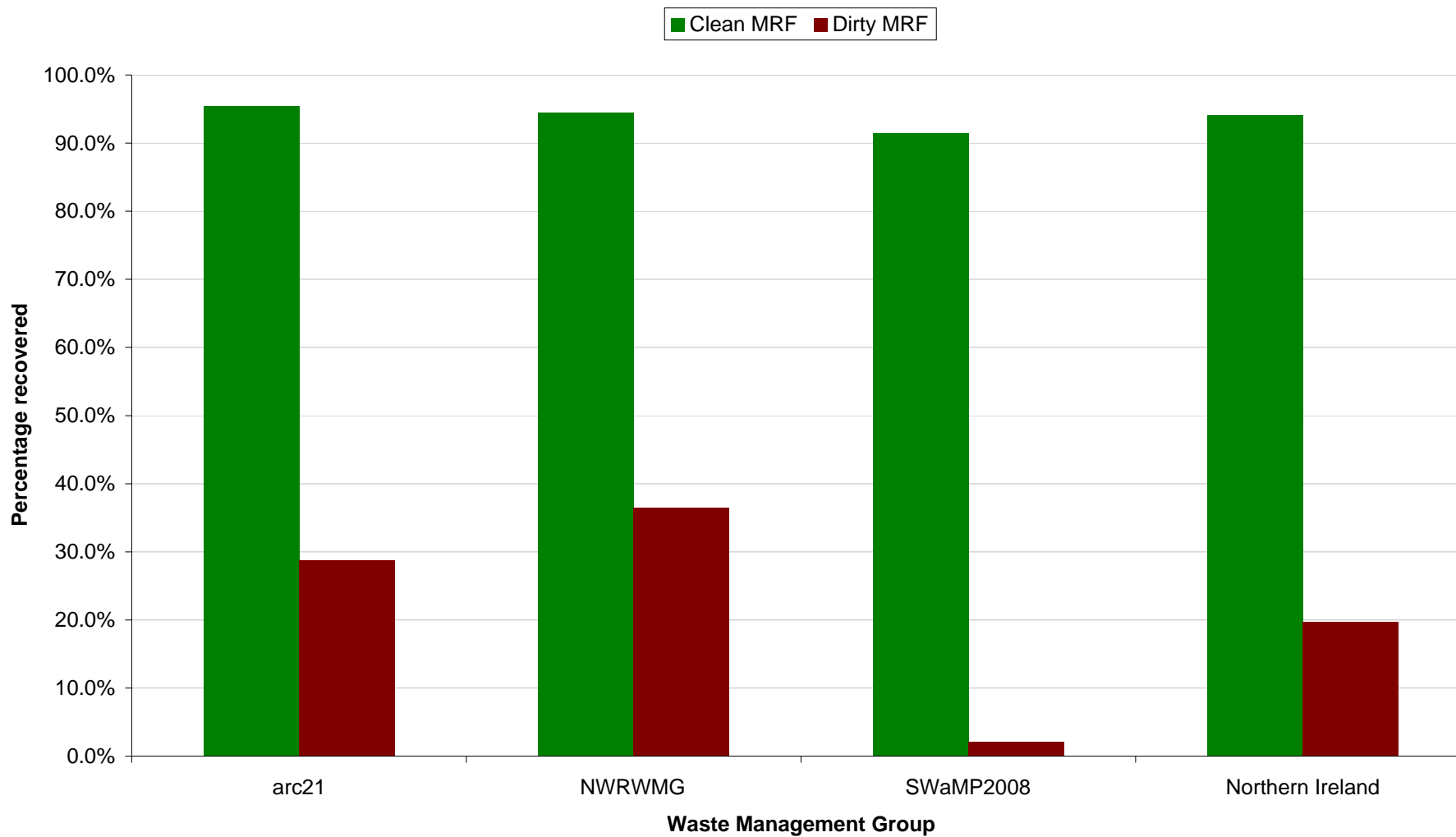
Area	Clean MRF							Dirty MRF						
	Input (tonnes)	Recycled (tonnes)	Rejects to RDF (tonnes)	Rejects to landfill (tonnes)	Recovered recyclates (%)	Recovered energy from RDF rejects (%)	Disposed to landfill (%)	Input (tonnes)	Recycled (tonnes)	Rejects to RDF (tonnes)	Rejects to landfill (tonnes)	Recovered recyclates (%)	Recovered energy from RDF rejects (%)	Disposed to landfill (%)
<b>arc21</b>														
Antrim	2,487	2,349	0	138	94.5%	0.0%	5.5%	101	29	47	25	28.8%	46.7%	24.5%
Ards	4,498	4,250	0	248	94.5%	0.0%	5.5%	83	25	54	4	30.1%	65.1%	4.8%
Ballymena	0	0	0	0	-	-	-	0	0	0	0	-	-	-
Belfast	13,995	13,487	0	507	96.4%	0.0%	3.6%	178	49	120	9	27.5%	67.4%	5.1%
Carrickfergus	0	0	0	0	-	-	-	0	0	0	0	-	-	-
Castlereagh	4,101	4,022	0	79	98.1%	0.0%	1.9%	28	9	18	1	30.0%	65.0%	5.0%
Down	3,543	3,339	0	204	94.2%	0.0%	5.8%	64	16	46	2	25.0%	72.0%	3.0%
Larne	1,858	1,743	0	116	93.8%	0.0%	6.2%	30	9	19	1	30.0%	65.0%	5.0%
Lisburn	6,035	5,705	0	330	94.5%	0.0%	5.5%	114	34	74	6	30.0%	65.0%	5.0%
Newtownabbey	0	0	0	0	-	-	-	0	0	0	0	-	-	-
North Down	4,769	4,506	0	263	94.5%	0.0%	5.5%	88	26	57	4	30.0%	65.0%	5.0%
<b>All arc21</b>	<b>41,286</b>	<b>39,401</b>	<b>0</b>	<b>1,884</b>	<b>95.4%</b>	<b>0.0%</b>	<b>4.6%</b>	<b>686</b>	<b>197</b>	<b>436</b>	<b>53</b>	<b>28.7%</b>	<b>63.6%</b>	<b>7.7%</b>
<b>NWRWMG</b>														
Ballymoney	1,638	1,545	0	93	94.3%	0.0%	5.7%	977	387	97	493	39.6%	9.9%	50.5%
Coleraine	3,096	2,925	0	172	94.5%	0.0%	5.5%	7,004	2,288	837	3,879	32.7%	11.9%	55.4%
Derry	5,769	5,434	0	335	94.2%	0.0%	5.8%	17,578	6,150	0	11,428	35.0%	0.0%	65.0%
Limavady	1,827	1,726	0	101	94.5%	0.0%	5.5%	3,794	1,511	397	1,887	39.8%	10.5%	49.7%
Magherafelt	2,526	2,397	0	129	94.9%	0.0%	5.1%	3,420	1,134	456	1,830	33.2%	13.3%	53.5%
Moyle	932	884	0	48	94.8%	0.0%	5.2%	2,156	1,279	0	878	59.3%	0.0%	40.7%
Strabane	2,255	2,128	0	126	94.4%	0.0%	5.6%	0	0	0	0	-	-	-
<b>All NWRWMG</b>	<b>18,043</b>	<b>17,038</b>	<b>0</b>	<b>1,004</b>	<b>94.4%</b>	<b>0.0%</b>	<b>5.6%</b>	<b>34,929</b>	<b>12,748</b>	<b>1,787</b>	<b>20,395</b>	<b>36.5%</b>	<b>5.1%</b>	<b>58.4%</b>
<b>SWaMP2008</b>														
Armagh	0	0	0	0	-	-	-	1	1	0	0	100.0%	0.0%	0.0%
Banbridge	0	0	0	0	-	-	-	0	0	0	0	-	-	-
Cookstown	2,247	2,068	105	74	92.0%	4.7%	3.3%	0	0	0	0	-	-	-
Craigavon	5,531	5,048	0	483	91.3%	0.0%	8.7%	33,472	702	1,267	31,502	2.1%	3.8%	94.1%
Dungannon	3,179	2,924	169	86	92.0%	5.3%	2.7%	0	0	0	0	-	-	-
Fermanagh	3,457	3,260	0	197	94.3%	0.0%	5.7%	0	0	0	0	-	-	-
Newry & Mourne	6,031	5,373	0	658	89.1%	0.0%	10.9%	0	0	0	0	-	-	-
Omagh	3,066	2,829	144	92	92.3%	4.7%	3.0%	0	0	0	0	-	-	-
<b>All SWaMP2008</b>	<b>23,510</b>	<b>21,502</b>	<b>418</b>	<b>1,590</b>	<b>91.5%</b>	<b>1.8%</b>	<b>6.8%</b>	<b>33,472</b>	<b>703</b>	<b>1,267</b>	<b>31,502</b>	<b>2.1%</b>	<b>3.8%</b>	<b>94.1%</b>
<b>Northern Ireland</b>	<b>82,839</b>	<b>77,941</b>	<b>418</b>	<b>4,479</b>	<b>94.1%</b>	<b>0.5%</b>	<b>5.4%</b>	<b>69,087</b>	<b>13,648</b>	<b>3,490</b>	<b>51,949</b>	<b>19.8%</b>	<b>5.1%</b>	<b>75.2%</b>

Source: NIEA

Note:

Clean MRFs receive source segregated waste only, such as co-mingled recyclable materials from kerbside collections  
 Dirty MRFs accept a variety of residual wastes such as wastes from households, businesses and skips to try and recover recyclable materials

### Recovery as a percentage of material input to Material Recovery Facilities (MRFs) by waste management group, 2009/10



**Materials landfilled as a percentage of material input to Material Recovery Facilities (MRF) by waste management group, 2009/10**

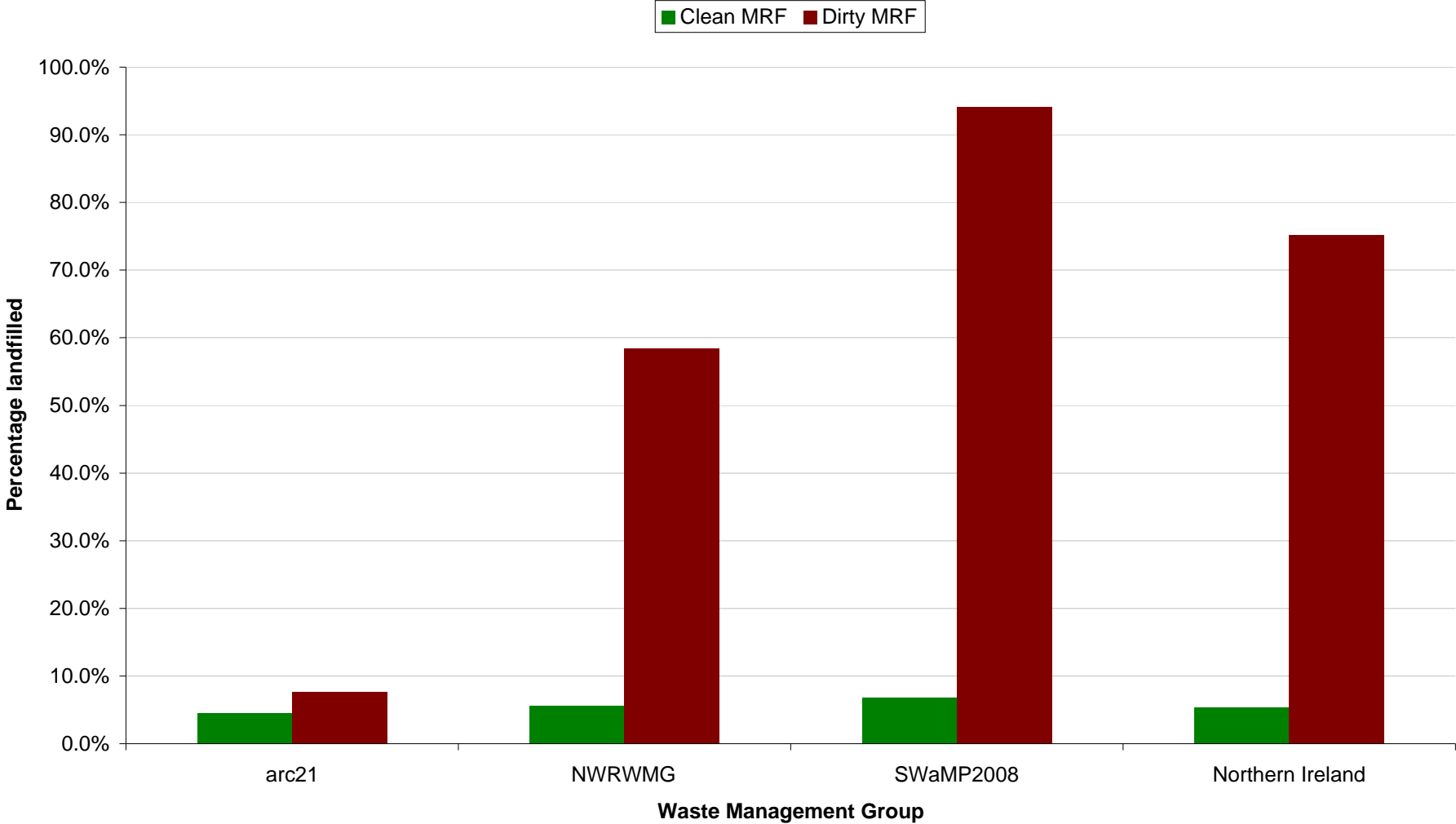
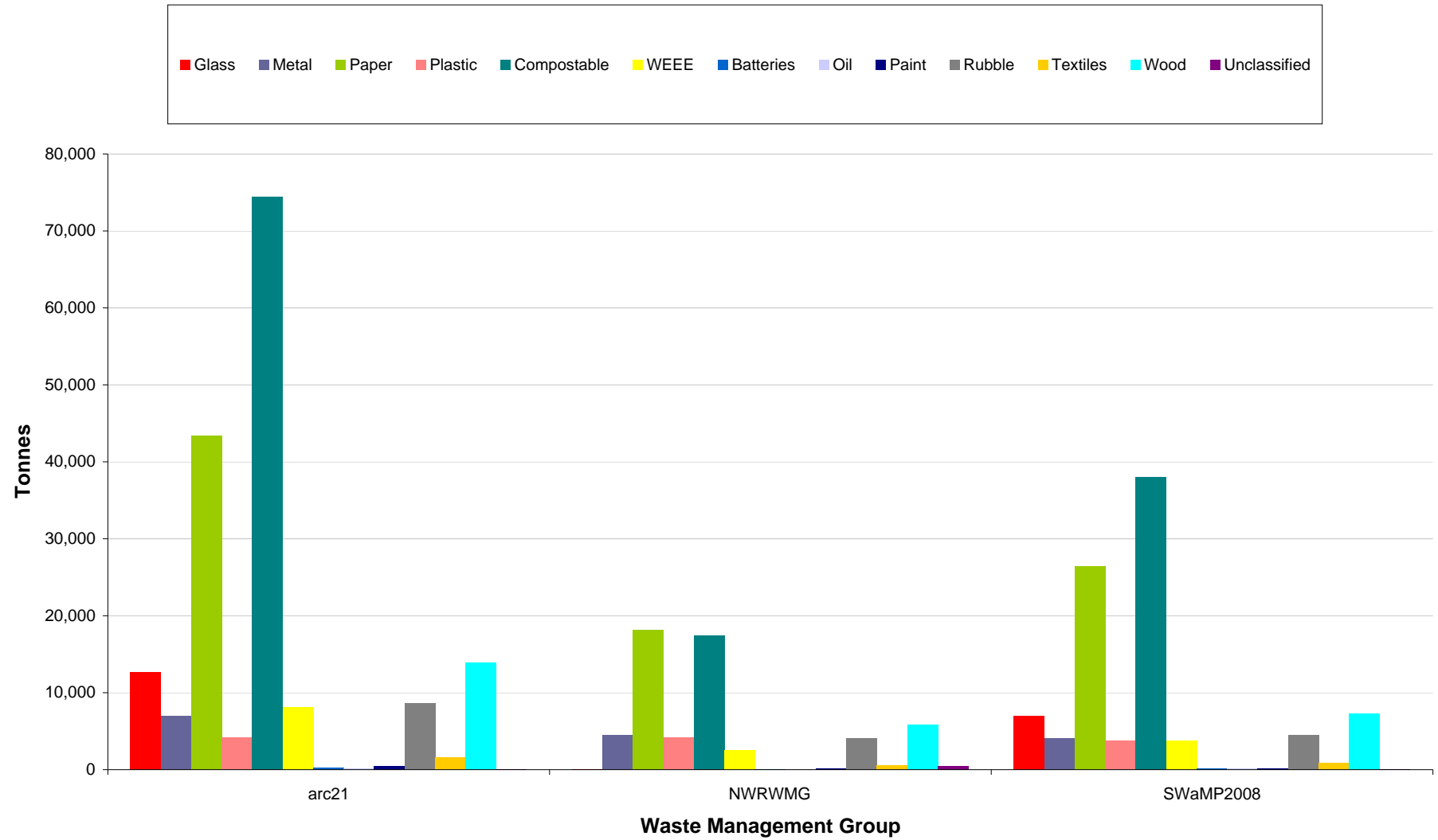


Table 10: Material types reported as actually recycled & composted in Northern Ireland in 2009/1

Area	Glass	Metal	Paper	Plastic	Compostable	WEEE	Batteries	Oil	Paint	Rubble	Textiles	Wood	Unclassified	Unit: Tonnes 2009/10 total
<b>arc21</b>														
Materials sent for recycling & composting	12640.85	7031.85	43447.88	4180.68	74456.73	8146.93	239.25	197.27	433.60	8655.35	1559.76	13914.90	108.31	<b>175,013</b>
Such materials subsequently rejected by the reprocessor	0	0	12	0	59	0	0	0	0	0	0	0	0	<b>71</b>
<b>Actually recycled &amp; composted</b>	<b>12,641</b>	<b>7,032</b>	<b>43,436</b>	<b>4,181</b>	<b>74,397</b>	<b>8,147</b>	<b>239</b>	<b>197</b>	<b>434</b>	<b>8,655</b>	<b>1,560</b>	<b>13,915</b>	<b>108</b>	<b>174,942</b>
<b>NWRWMG</b>														
Materials sent for recycling & composting	3,818	4,464	18,180	4,137	17,438	2,509	59	106	187	4,033	568	5,971	463	<b>61,934</b>
Such materials subsequently rejected by the reprocessor	100	0	0	0	9	2	0	0	0	0	0	116	0	<b>227</b>
<b>Actually recycled &amp; composted</b>	<b>100</b>	<b>4,464</b>	<b>18,180</b>	<b>4,137</b>	<b>17,429</b>	<b>2,507</b>	<b>59</b>	<b>106</b>	<b>187</b>	<b>4,033</b>	<b>568</b>	<b>5,855</b>	<b>463</b>	<b>58,089</b>
<b>SWaMP2008</b>														
Materials sent for recycling & composting	6,997	4,105	26,383	3,754	39,653	3,820	117	177	169	4,500	920	7,237	113	<b>97,943</b>
Such materials subsequently rejected by the reprocessor	0	0	0	0	1,620	0	0	0	0	0	0	0	0	<b>1,620</b>
<b>Actually recycled &amp; composted</b>	<b>6,997</b>	<b>4,105</b>	<b>26,383</b>	<b>3,754</b>	<b>38,032</b>	<b>3,820</b>	<b>117</b>	<b>177</b>	<b>169</b>	<b>4,500</b>	<b>920</b>	<b>7,237</b>	<b>113</b>	<b>96,323</b>
<b>Northern Ireland</b>														
Materials sent for recycling & composting	23,456	15,601	88,011	12,072	131,547	14,475	415	480	790	17,188	3,047	27,124	684	<b>334,890</b>
Such materials subsequently rejected by the reprocessor	100	0	12	0	1,689	2	0	0	0	0	0	116	0	<b>1,919</b>
<b>Actually recycled &amp; composted</b>	<b>23,356</b>	<b>15,601</b>	<b>87,999</b>	<b>12,072</b>	<b>129,859</b>	<b>14,474</b>	<b>415</b>	<b>480</b>	<b>790</b>	<b>17,188</b>	<b>3,047</b>	<b>27,007</b>	<b>684</b>	<b>332,972</b>

Source: NIEA

**Material types actually recycled & composted in Northern Ireland by waste management group, 2009/10**



**Table 11: Material types collected for reuse (Kerbside, Civic Amenity and Bring Sites) in Northern Ireland, 2009/10**

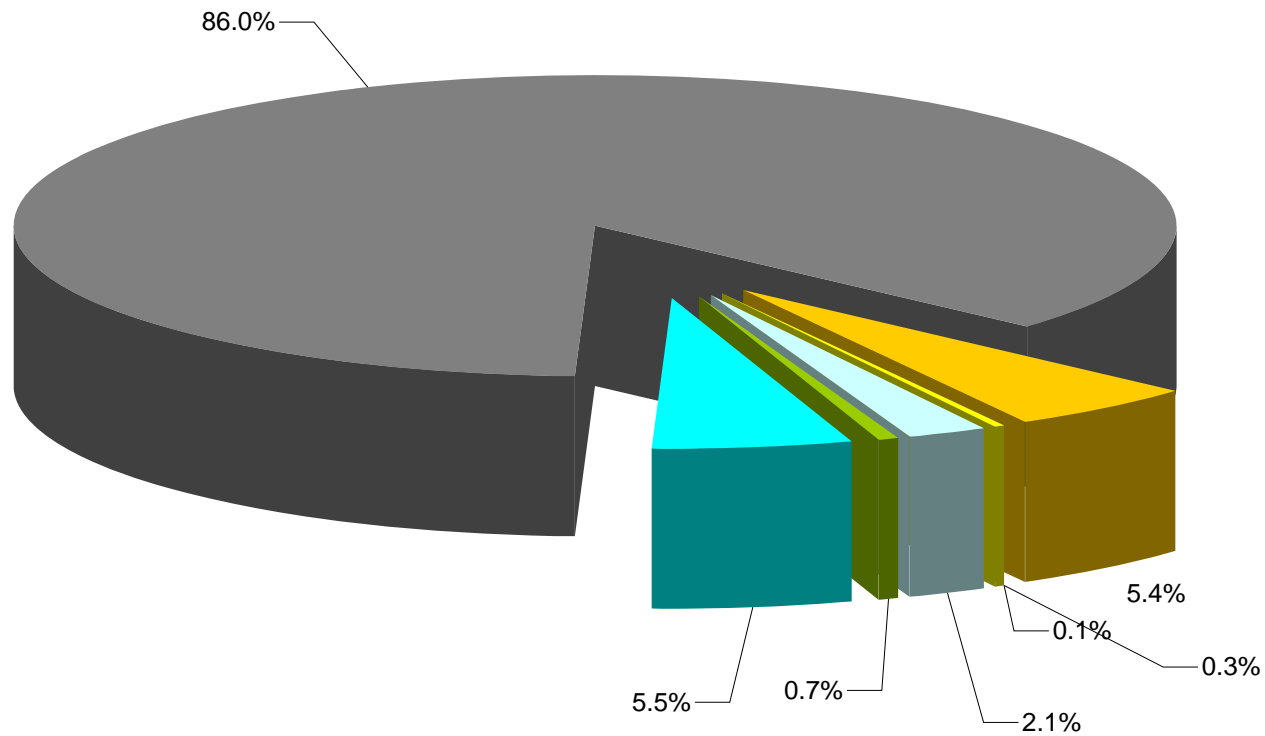
Unit: Tonnes

Area	Books	Furniture	Rubble	Textiles	WEEE Fridges & Freezers	WEEE Large Domestic Appliances	Wood	All Materials
<b>arc21</b>								
Antrim	0	0	0	0	0	0	0	0
Ards	0	0	0	0	0	0	0	0
Ballymena	4	0	0	0	0	0	0	4
Belfast	12	0	0	0	0	0	0	12
Carrickfergus	0	0	0	0	0	0	0	0
Castlereagh	0	0	0	0	0	0	0	0
Down	0	0	0	0	0	0	0	0
Larne	0	0	0	0	0	0	0	0
Lisburn	0	0	0	0	4	11	0	14
Newtownabbey	0	0	0	0	0	0	0	0
North Down	6	0	2,581	0	0	0	0	2,586
All arc21	22	0	2,581	0	4	11	0	2,617
<b>NWRWMG</b>								
Ballymoney	0	0	0	0	0	0	0	0
Coleraine	0	0	582	0	0	0	0	583
Derry	0	0	0	0	0	0	0	0
Limavady	0	201	0	13	0	0	0	214
Magherafelt	0	0	0	0	0	0	0	0
Moyle	0	0	0	0	0	0	0	0
Strabane	0	0	0	0	0	0	77	77
All NWRWMG	0	201	582	13	0	0	77	874
<b>SWaMP2008</b>								
Armagh	3	0	0	63	0	0	0	65
Banbridge	0	0	0	0	0	0	0	0
Cookstown	0	0	0	0	0	0	0	0
Craigavon	0	0	0	0	0	0	0	0
Dungannon	0	0	0	0	0	0	0	0
Fermanagh	0	0	0	121	0	0	0	121
Newry & Mourne	0	0	0	0	0	0	0	0
Omagh	0	0	0	0	0	0	0	0
All SWaMP2008	3	0	0	183	0	0	0	186
Northern Ireland	25	201	3,163	197	4	11	77	3,677

Source: NIEA

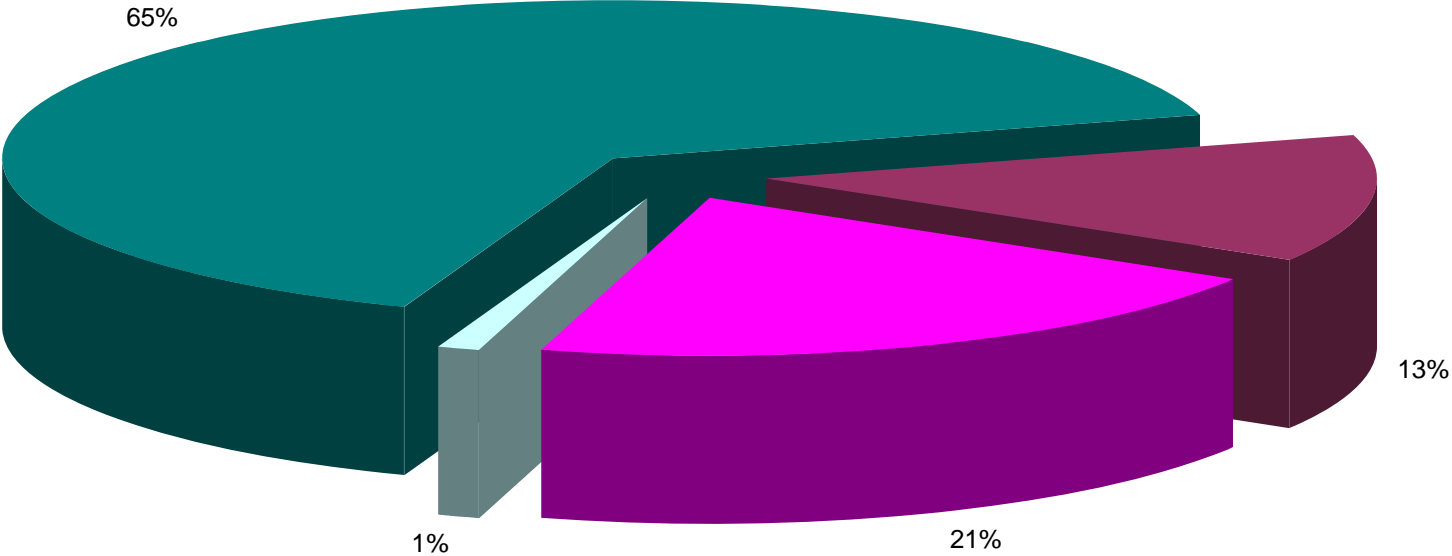
**Material types collected for reuse (Kerbside, Civic Amenity and Bring Sites) in Northern Ireland, 2009/10**

Books Furniture Rubble Textiles WEEE Fridges & Freezers WEEE Large Domestic Appliances Wood





Sources of municipal waste collected for disposal, 2009/10

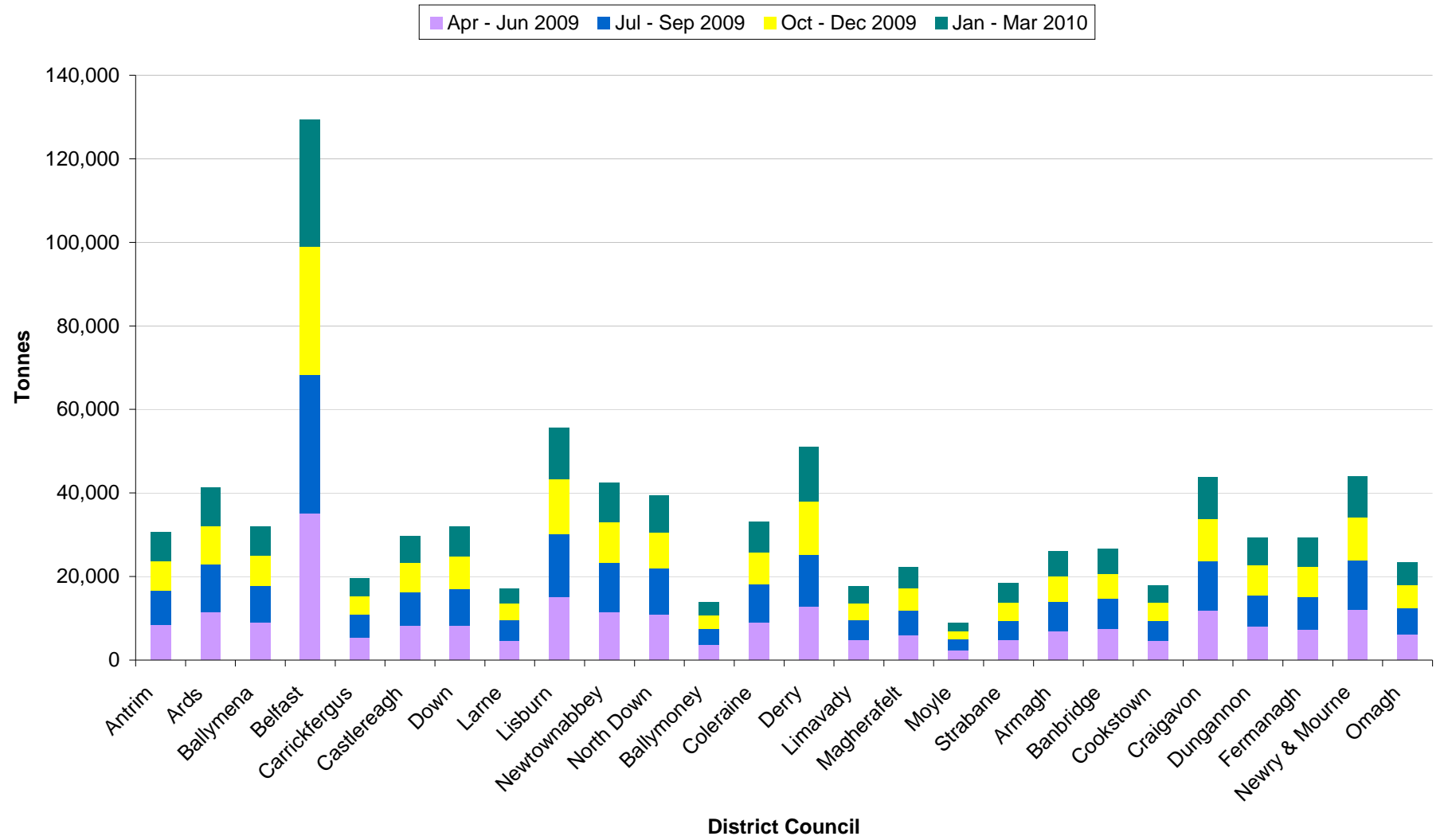


**Table 13: Household waste arisings per quarter for Northern Ireland, 2009/10**

Area	Apr - Jun 2009	Jul - Sep 2009	Oct - Dec 2009	Jan - Mar 2010	2009/10 Total
Unit: Tonnes					
<b>arc21</b>					
Antrim	8,350	8,312	7,002	6,973	<b>30,637</b>
Ards	11,424	11,399	9,344	9,233	<b>41,400</b>
Ballymena	9,120	8,608	7,306	6,958	<b>31,992</b>
Belfast	35,181	33,009	30,846	30,431	<b>129,467</b>
Carrickfergus	5,426	5,439	4,480	4,359	<b>19,704</b>
Castlereagh	8,241	8,082	6,974	6,466	<b>29,762</b>
Down	8,370	8,598	7,836	7,208	<b>32,011</b>
Larne	4,725	4,951	3,840	3,631	<b>17,147</b>
Lisburn	15,110	15,120	13,021	12,291	<b>55,541</b>
Newtownabbey	11,413	11,959	9,695	9,506	<b>42,573</b>
North Down	10,939	10,963	8,727	8,813	<b>39,443</b>
All arc21	<b>128,299</b>	<b>126,440</b>	<b>109,070</b>	<b>105,869</b>	<b>469,678</b>
<b>NWRWMG</b>					
Ballymoney	3,714	3,743	3,324	3,073	<b>13,854</b>
Coleraine	9,040	9,181	7,532	7,384	<b>33,137</b>
Derry	12,810	12,423	12,682	13,010	<b>50,924</b>
Limavady	4,875	4,715	3,975	4,052	<b>17,617</b>
Magherafelt	5,855	6,042	5,225	5,048	<b>22,170</b>
Moyle	2,376	2,540	1,963	1,965	<b>8,844</b>
Strabane	4,759	4,678	4,330	4,708	<b>18,476</b>
All NWRWMG	<b>43,429</b>	<b>43,323</b>	<b>39,031</b>	<b>39,240</b>	<b>165,022</b>
<b>SWaMP2008</b>					
Armagh	6,943	7,031	6,008	6,054	<b>26,036</b>
Banbridge	7,402	7,337	5,849	6,007	<b>26,595</b>
Cookstown	4,652	4,742	4,340	4,143	<b>17,877</b>
Craigavon	11,911	11,905	9,892	10,106	<b>43,814</b>
Dungannon	7,973	7,566	7,238	6,624	<b>29,401</b>
Fermanagh	7,346	7,733	7,277	6,939	<b>29,294</b>
Newry & Mourne	12,148	11,698	10,328	9,750	<b>43,925</b>
Omagh	6,232	6,211	5,614	5,362	<b>23,419</b>
All SWaMP2008	<b>64,607</b>	<b>64,223</b>	<b>56,546</b>	<b>54,985</b>	<b>240,361</b>
Northern Ireland	<b>236,334</b>	<b>233,985</b>	<b>204,648</b>	<b>200,094</b>	<b>875,062</b>

Source: NIEA

### Household waste arisings per quarter in Northern Ireland by district council, 2009/10

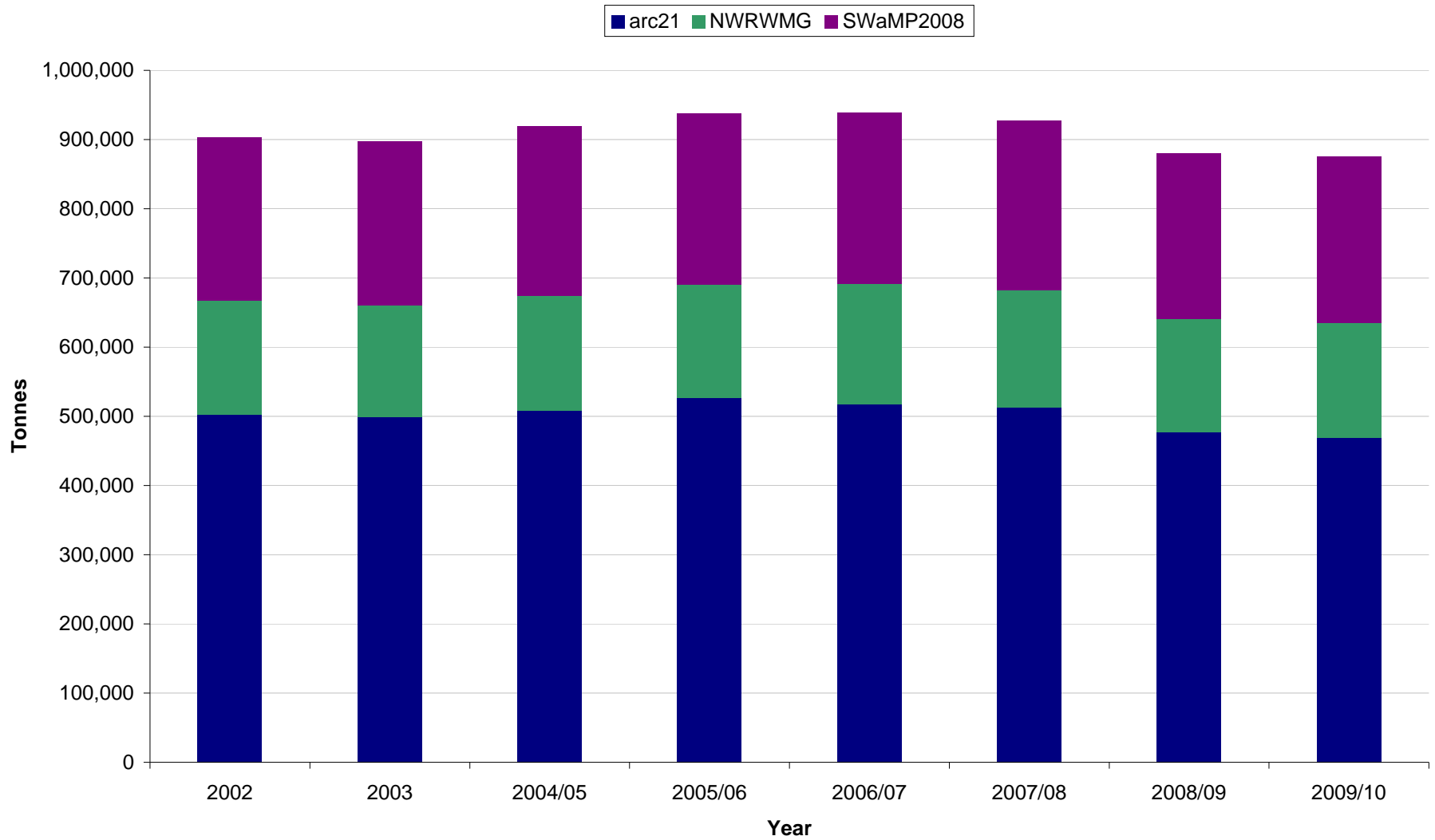


**Table 14: Household waste arisings for Northern Ireland, 2002 - 2009/10**

								Unit: Tonnes
Area	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
<b>arc21</b>								
Antrim	26,984	21,523	29,187	31,167	32,732	34,948	32,350	30,637
Ards	44,127	43,829	47,112	46,079	45,592	45,453	42,040	41,400
Ballymena	30,707	33,203	34,860	37,020	35,988	32,697	32,421	31,992
Belfast	139,967	139,624	146,491	152,975	146,402	144,343	130,355	129,467
Carrickfergus	23,492	21,042	20,900	22,287	21,536	20,693	19,571	19,704
Castlereagh	34,146	32,349	29,521	32,762	31,634	31,462	30,033	29,762
Down	33,174	37,231	30,182	29,538	30,715	31,180	31,621	32,011
Larne	16,777	15,677	17,701	19,900	18,789	17,912	16,934	17,147
Lisburn	64,359	65,375	63,527	61,198	59,809	59,548	55,853	55,541
Newtownabbey	44,755	44,889	42,079	47,153	48,072	46,803	45,303	42,573
North Down	44,299	43,965	46,433	46,390	46,989	47,042	40,711	39,443
<b>All arc21</b>	<b>502,787</b>	<b>498,706</b>	<b>507,992</b>	<b>526,468</b>	<b>518,259</b>	<b>512,082</b>	<b>477,192</b>	<b>469,678</b>
<b>NWRWVG</b>								
Ballymoney	13,296	14,324	13,261	13,326	14,115	13,696	13,601	13,854
Coleraine	36,933	39,677	44,261	39,157	38,215	35,348	34,201	33,137
Derry	46,930	43,252	47,335	50,486	55,205	50,857	49,325	50,924
Limavady	14,899	17,033	14,358	15,619	16,324	19,374	17,808	17,617
Magherafelt	20,628	17,646	18,498	19,473	20,517	21,304	21,362	22,170
Moyle	9,852	8,639	8,626	7,303	8,467	8,995	8,786	8,844
Strabane	21,964	21,196	20,011	18,505	19,948	20,878	18,601	18,476
<b>All NWRWVG</b>	<b>164,501</b>	<b>161,767</b>	<b>166,349</b>	<b>163,869</b>	<b>172,790</b>	<b>170,451</b>	<b>163,683</b>	<b>165,022</b>
<b>SWaMP2008</b>								
Armagh	27,169	28,784	28,496	25,959	25,824	26,295	25,589	26,036
Banbridge	22,195	23,528	24,445	24,993	25,310	26,210	25,618	26,595
Cookstown	17,282	17,059	18,073	19,117	18,949	18,897	17,962	17,877
Craigavon	46,265	44,526	46,180	47,187	47,726	44,114	44,301	43,814
Dungannon	25,121	25,381	27,883	29,274	29,543	30,314	29,047	29,401
Fermanagh	28,182	29,211	28,744	29,150	32,028	32,252	29,758	29,294
Newry & Mourne	41,597	40,685	45,088	44,861	45,931	44,730	43,533	43,925
Omagh	27,354	28,020	25,919	26,453	22,365	22,777	23,162	23,419
<b>All SWaMP2008</b>	<b>235,165</b>	<b>237,192</b>	<b>244,828</b>	<b>246,994</b>	<b>247,676</b>	<b>245,589</b>	<b>238,971</b>	<b>240,361</b>
<b>Northern Ireland</b>	<b>902,454</b>	<b>897,665</b>	<b>919,169</b>	<b>937,331</b>	<b>938,726</b>	<b>928,122</b>	<b>879,846</b>	<b>875,062</b>

Source: NIEA

### Household waste arisings in Northern Ireland by waste management group, 2002 - 2009/10

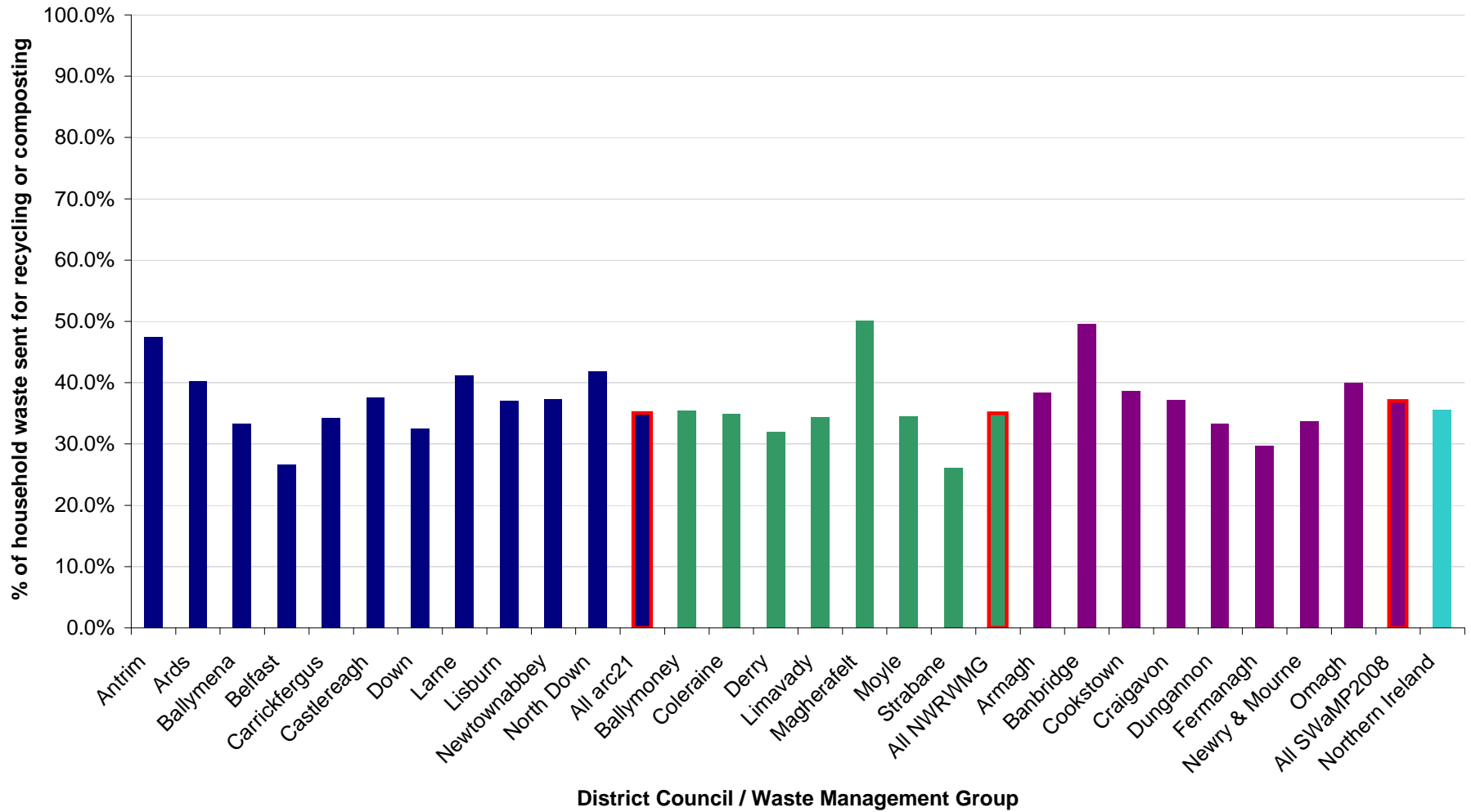


**Table 15: Household waste sent for recycling and composting, KPI(a), for Northern Ireland, 2009/10**

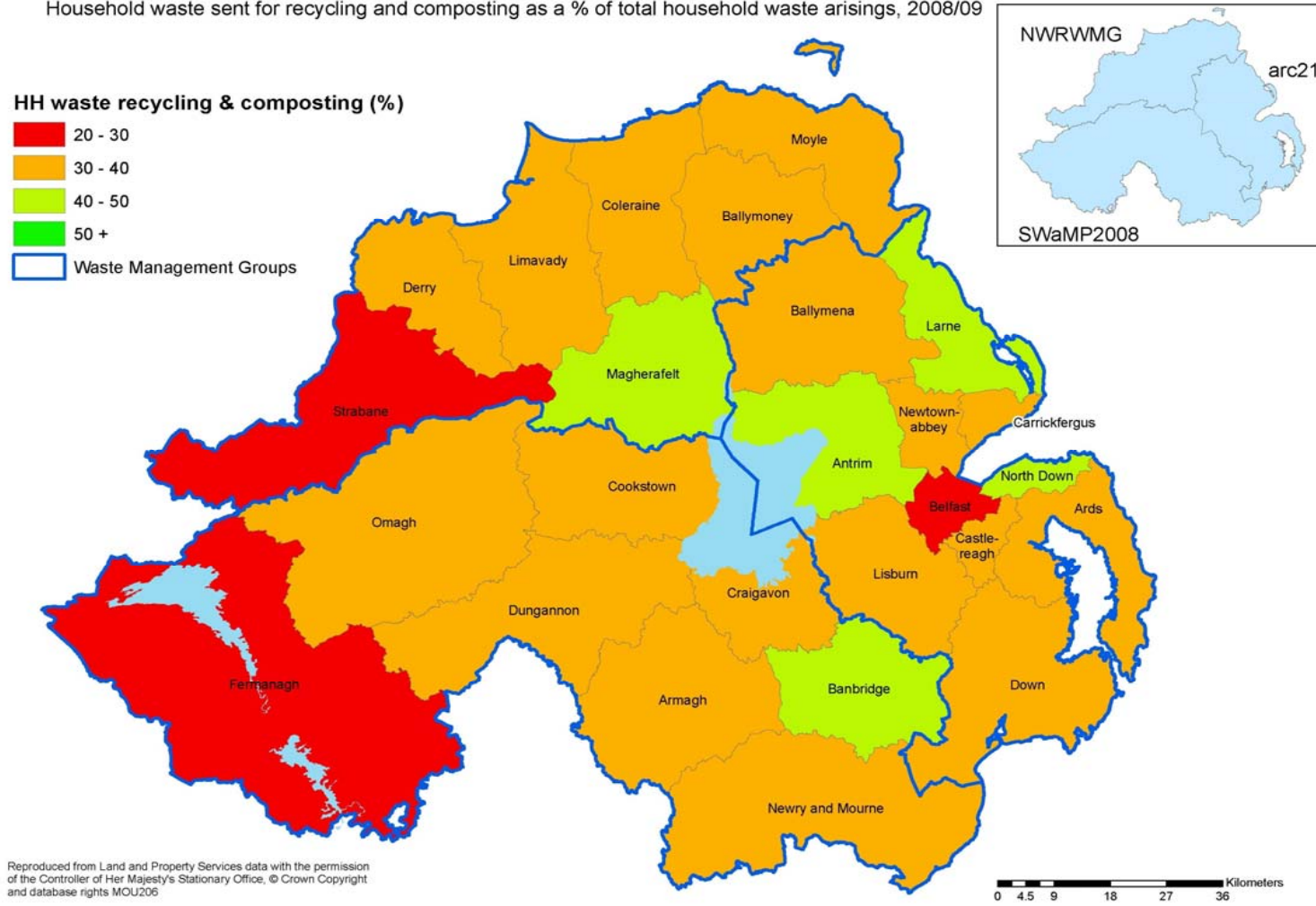
							KPI (a)
Area	Household waste arisings (tonnes)	Household dry recycling (tonnes)	Household composting (tonnes)	Total household dry recycling & composting (tonnes)	Household dry recycling rate	Household composting rate	Household waste sent for recycling (inc composting) as a % of household waste arisings
<b>arc21</b>							
Antrim	30,637	6,541	8,008	<b>14,549</b>	21.4%	26.1%	<b>47.5%</b>
Ards	41,400	8,280	8,383	<b>16,663</b>	20.0%	20.2%	<b>40.2%</b>
Ballymena	31,992	5,134	5,532	<b>10,666</b>	16.0%	17.3%	<b>33.3%</b>
Belfast	129,467	23,489	10,948	<b>34,437</b>	18.1%	8.5%	<b>26.6%</b>
Carrickfergus	19,704	3,783	2,955	<b>6,738</b>	19.2%	15.0%	<b>34.2%</b>
Castlereagh	29,762	5,933	5,254	<b>11,188</b>	19.9%	17.7%	<b>37.6%</b>
Down	32,011	6,421	3,968	<b>10,389</b>	20.1%	12.4%	<b>32.5%</b>
Larne	17,147	3,790	3,260	<b>7,050</b>	22.1%	19.0%	<b>41.1%</b>
Lisburn	55,541	10,319	10,209	<b>20,527</b>	18.6%	18.4%	<b>37.0%</b>
Newtownabbey	42,573	7,769	8,126	<b>15,895</b>	18.2%	19.1%	<b>37.3%</b>
North Down	39,443	8,905	7,577	<b>16,482</b>	22.6%	19.2%	<b>41.8%</b>
<b>All arc21</b>	<b>469,678</b>	<b>90,366</b>	<b>74,219</b>	<b>164,585</b>	<b>19.2%</b>	<b>15.8%</b>	<b>35.0%</b>
<b>NWRWMG</b>							
Ballymoney	13,854	2,739	2,175	<b>4,914</b>	19.8%	15.7%	<b>35.5%</b>
Coleraine	33,137	7,667	3,894	<b>11,560</b>	23.1%	11.8%	<b>34.9%</b>
Derry	50,924	14,583	1,683	<b>16,266</b>	28.6%	3.3%	<b>31.9%</b>
Limavady	17,617	4,318	1,727	<b>6,045</b>	24.5%	9.8%	<b>34.3%</b>
Magherafelt	22,170	5,275	5,818	<b>11,093</b>	23.8%	26.2%	<b>50.0%</b>
Moyle	8,844	2,399	648	<b>3,047</b>	27.1%	7.3%	<b>34.4%</b>
Strabane	18,476	3,781	1,048	<b>4,830</b>	20.5%	5.7%	<b>26.1%</b>
<b>All NWRWMG</b>	<b>165,022</b>	<b>40,763</b>	<b>16,992</b>	<b>57,755</b>	<b>24.7%</b>	<b>10.3%</b>	<b>35.0%</b>
<b>SWaMP2008</b>							
Armagh	26,036	6,124	3,855	<b>9,979</b>	23.5%	14.8%	<b>38.3%</b>
Banbridge	26,595	4,622	8,575	<b>13,197</b>	17.4%	32.2%	<b>49.6%</b>
Cookstown	17,877	3,368	3,533	<b>6,902</b>	18.8%	19.8%	<b>38.6%</b>
Craigavon	43,814	9,606	6,669	<b>16,275</b>	21.9%	15.2%	<b>37.1%</b>
Dungannon	29,401	6,648	3,125	<b>9,773</b>	22.6%	10.6%	<b>33.2%</b>
Fermanagh	29,294	6,209	2,483	<b>8,691</b>	21.2%	8.5%	<b>29.7%</b>
Newry & Mourne	43,925	9,613	5,188	<b>14,802</b>	21.9%	11.8%	<b>33.7%</b>
Omagh	23,419	5,708	3,638	<b>9,346</b>	24.4%	15.5%	<b>39.9%</b>
<b>All SWaMP2008</b>	<b>240,361</b>	<b>51,899</b>	<b>37,067</b>	<b>88,966</b>	<b>21.6%</b>	<b>15.4%</b>	<b>37.0%</b>
<b>Northern Ireland</b>	<b>875,062</b>	<b>183,027</b>	<b>128,279</b>	<b>311,306</b>	<b>20.9%</b>	<b>14.7%</b>	<b>35.6%</b>

Source: NIEA

**KPI(a) - Household waste sent for recycling and composting as a percentage of total household waste arising by district council and waste management group, 2009/10**



Household waste sent for recycling and composting as a % of total household waste arisings, 2008/09



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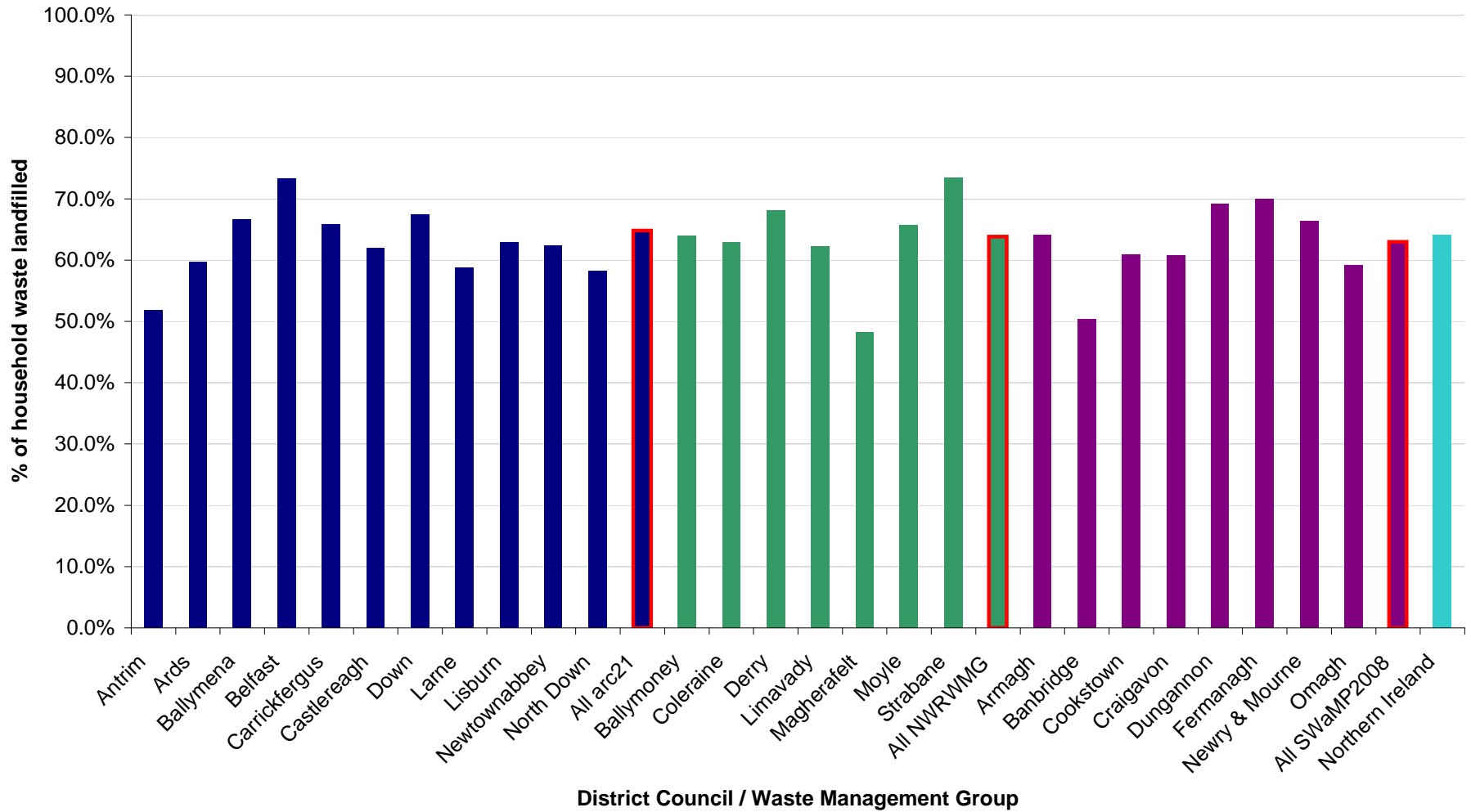
**Table 16: Household waste landfilled, KPI(b), and generated per household, KPI(h), and per capita, KPI(p), in Northern Ireland, 2009/10**

Area	Household waste landfilled (tonnes)	KPI (b)		KPI(h)		KPI(p)
		Household waste landfilled as a % of household waste arisings [r]	Estimated households (March 2010)	Annual household waste collected per household (tonnes)	Estimated population (2009)	Annual household waste collected per capita (kilogrammes)
<b>arc21</b>						
Antrim	15,886	51.9%	20,540	1.49	54,030	567
Ards	24,689	59.6%	33,519	1.24	78,100	530
Ballymena	21,322	66.6%	25,132	1.27	63,162	507
Belfast	94,929	73.3%	125,931	1.03	268,398	482
Carrickfergus	12,966	65.8%	16,212	1.22	40,115	491
Castlereagh	18,457	62.0%	28,610	1.04	66,752	446
Down	21,584	67.4%	27,516	1.16	70,296	455
Larne	10,082	58.8%	14,127	1.21	31,441	545
Lisburn	34,935	62.9%	47,250	1.18	116,471	477
Newtownabbey	26,542	62.3%	35,032	1.22	83,406	510
North Down	22,983	58.3%	34,396	1.15	79,567	496
All arc21	<b>304,375</b>	<b>64.8%</b>	<b>408,265</b>	<b>1.15</b>	<b>951,738</b>	<b>493</b>
<b>NWRWMG</b>						
Ballymoney	8,854	63.9%	12,000	1.15	30,439	455
Coleraine	20,837	62.9%	26,932	1.23	57,083	581
Derry	34,658	68.1%	39,735	1.28	109,620	465
Limavady	10,961	62.2%	12,606	1.40	33,988	518
Magherafelt	10,688	48.2%	15,677	1.41	44,200	502
Moyle	5,809	65.7%	7,631	1.16	16,942	522
Strabane	13,569	73.4%	15,237	1.21	39,871	463
All NWRWMG	<b>105,376</b>	<b>63.9%</b>	<b>129,818</b>	<b>1.27</b>	<b>332,143</b>	<b>497</b>
<b>SWaMP2008</b>						
Armagh	16,702	64.2%	22,134	1.18	58,824	443
Banbridge	13,398	50.4%	19,165	1.39	47,565	559
Cookstown	10,874	60.8%	13,472	1.33	36,283	493
Craigavon	26,605	60.7%	37,779	1.16	92,360	474
Dungannon	20,355	69.2%	20,862	1.41	56,439	521
Fermanagh	20,496	70.0%	26,315	1.11	62,397	469
Newry & Mourne	29,133	66.3%	33,912	1.30	98,720	445
Omagh	13,859	59.2%	19,863	1.18	52,427	447
All SWaMP2008	<b>151,422</b>	<b>63.0%</b>	<b>193,502</b>	<b>1.24</b>	<b>505,015</b>	<b>476</b>
Northern Ireland	<b>561,173</b>	<b>64.1%</b>	<b>731,585</b>	<b>1.20</b>	<b>1,788,896</b>	<b>489</b>

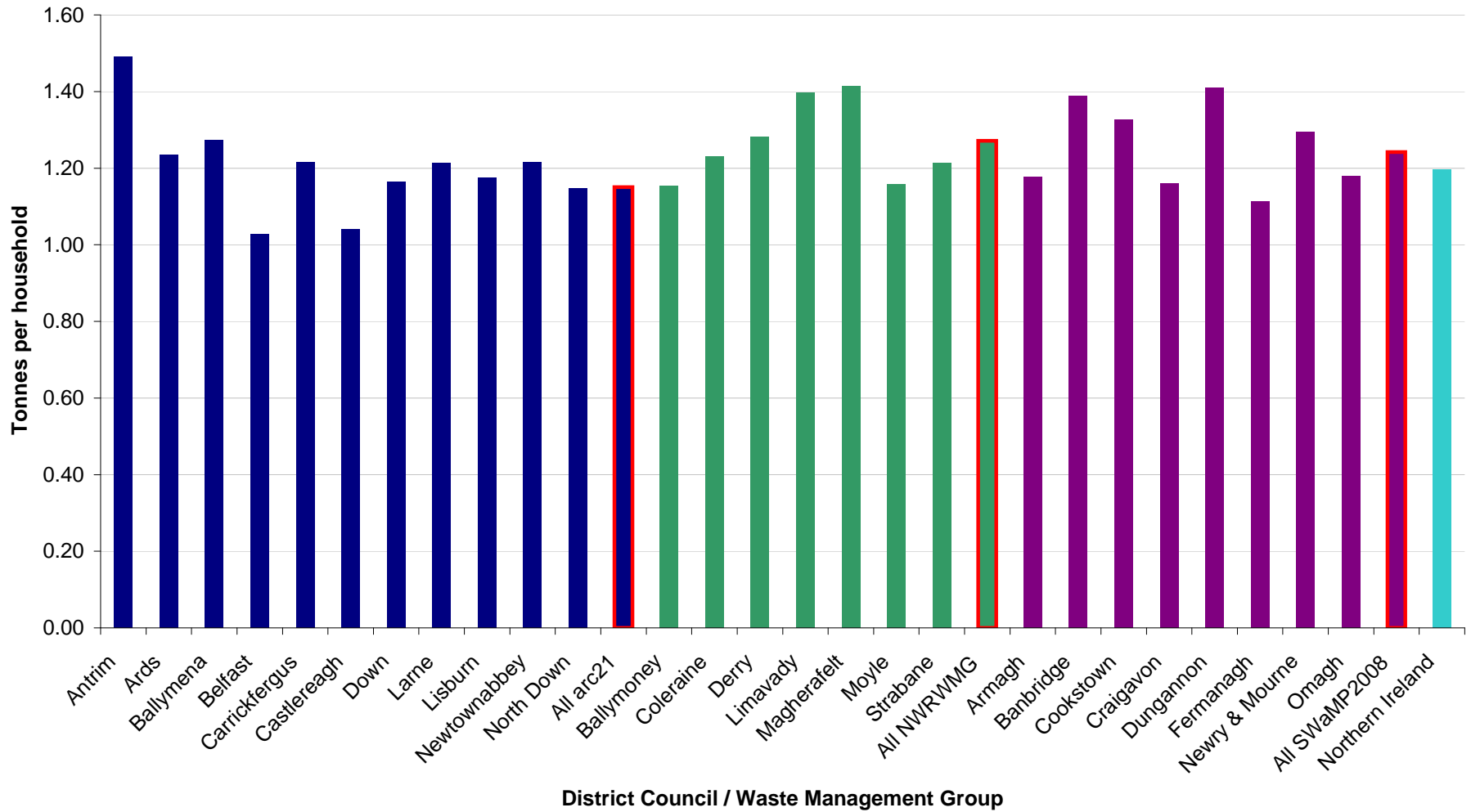
Source: NIEA, NISRA, DSD

[r] data revised from previous publication

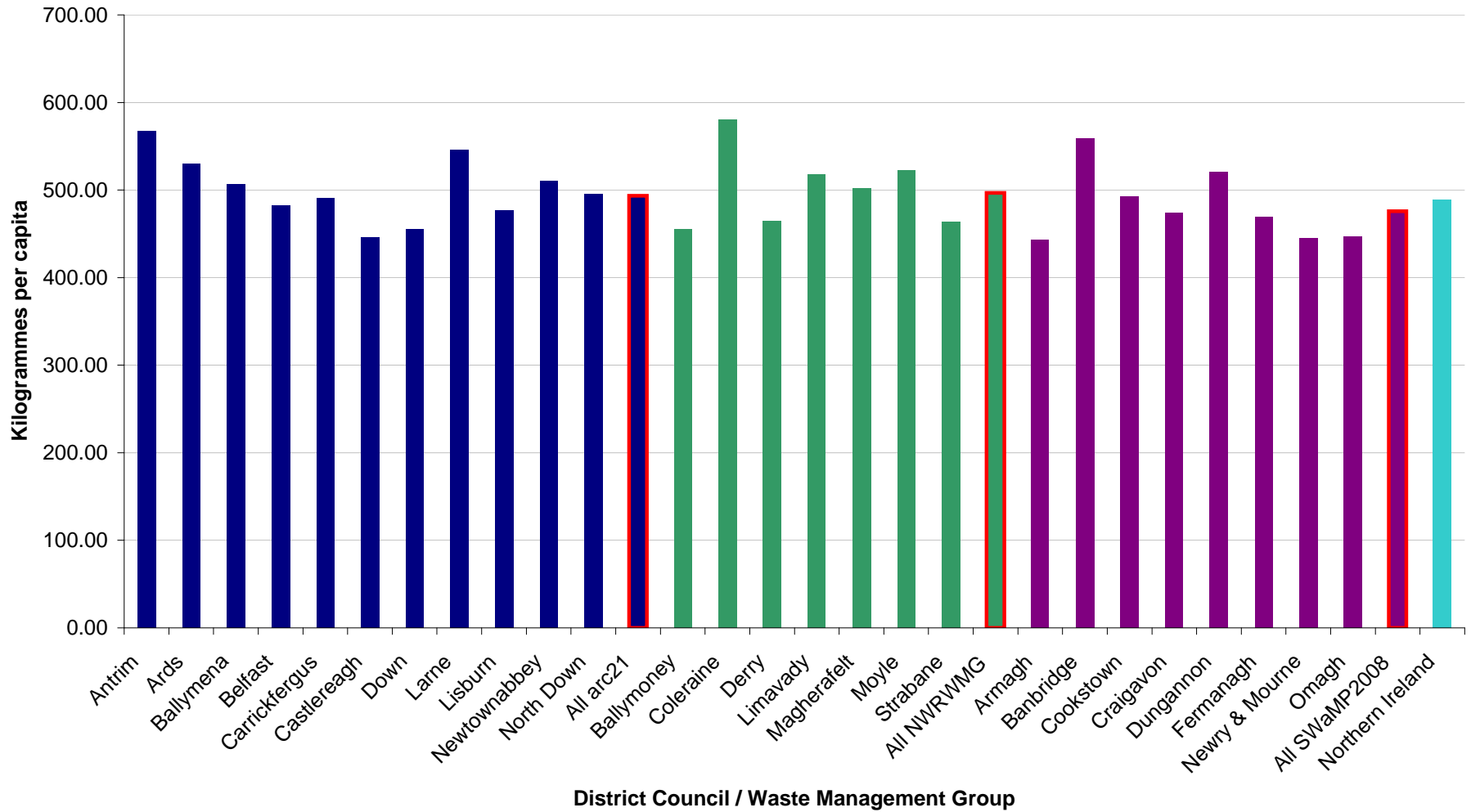
**KPI(b) - Household waste landfilled as a percentage of total household waste arisings by district council and waste management group, 2009/10**



**KPI(h) - Household waste collected per household in Northern Ireland by district council and waste management group, 2009/10**



**KPI(p) - Household waste collected per capita in Northern Ireland by district council and waste management group, 2009/10**



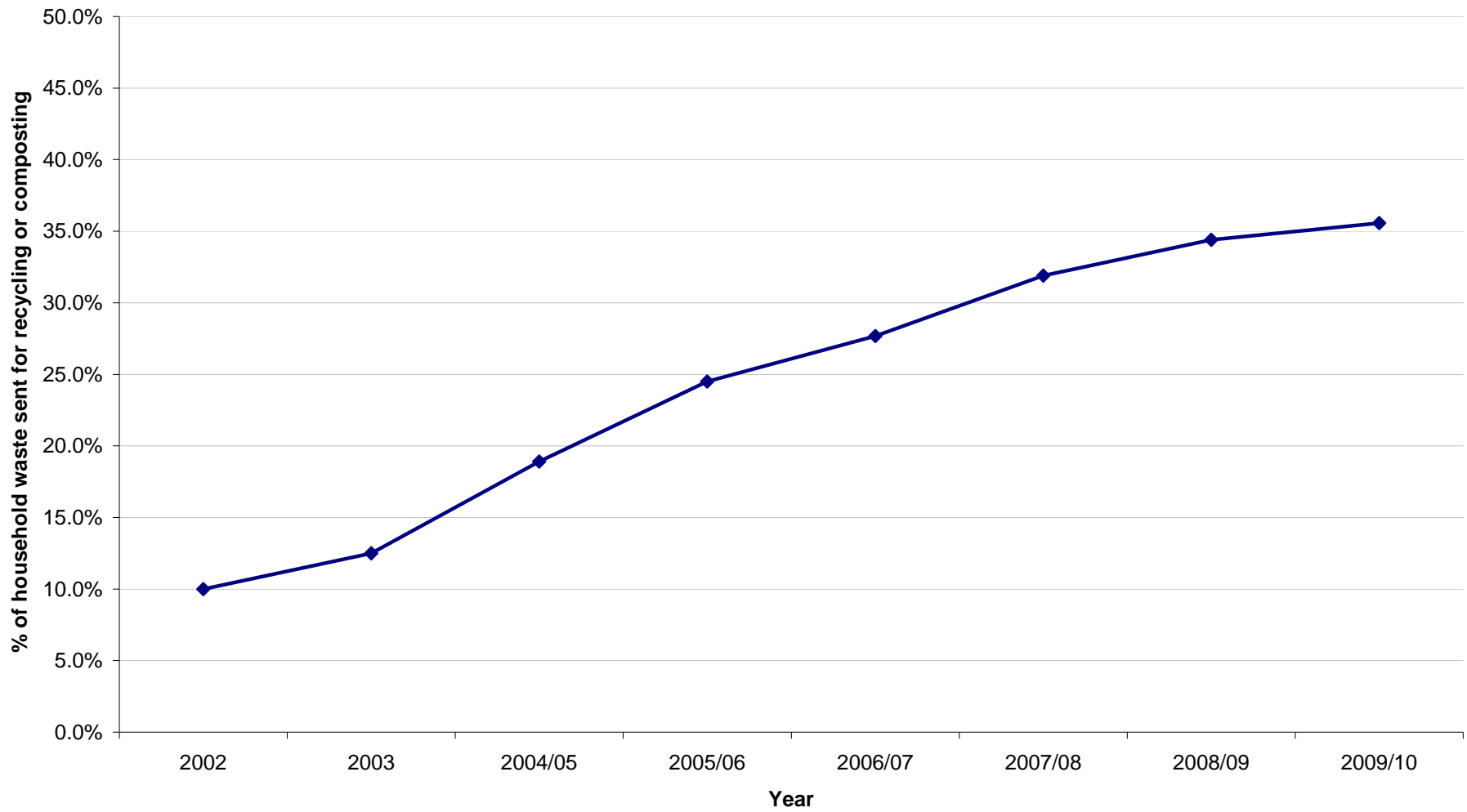
**Table 17: Percentage of household waste sent for recycling (inc. composting), KPI(a), in Northern Ireland, 2002 - 2009/10**

Unit: Percentage

Area	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
<b>arc21</b>								
Antrim	19.1%	22.4%	38.4%	44.0%	47.1%	48.7%	48.3%	47.5%
Ards	9.6%	9.0%	20.4%	24.0%	25.5%	27.6%	33.9%	40.2%
Ballymena	21.0%	18.0%	23.4%	26.9%	28.2%	26.5%	36.2%	33.3%
Belfast	4.0%	4.6%	8.9%	14.4%	19.0%	23.2%	26.3%	26.6%
Carrickfergus	8.2%	10.5%	17.2%	17.4%	21.9%	33.2%	32.9%	34.2%
Castlereagh	5.0%	12.1%	22.2%	32.5%	34.9%	37.7%	38.1%	37.6%
Down	13.5%	13.3%	19.2%	33.7%	32.2%	31.6%	32.6%	32.5%
Larne	6.0%	9.6%	16.5%	25.0%	31.6%	37.4%	40.5%	41.1%
Lisburn	9.0%	9.2%	12.2%	19.8%	25.1%	31.9%	33.1%	37.0%
Newtownabbey	16.5%	17.0%	19.9%	22.5%	24.8%	30.3%	35.0%	37.3%
North Down	11.1%	12.6%	17.2%	24.6%	33.0%	38.1%	40.4%	41.8%
All arc21	<b>9.7%</b>	<b>10.6%</b>	<b>16.7%</b>	<b>22.9%</b>	<b>26.8%</b>	<b>30.9%</b>	<b>33.9%</b>	<b>35.0%</b>
<b>NWRWMG</b>								
Ballymoney	10.2%	9.9%	24.0%	24.4%	24.7%	26.2%	32.5%	35.5%
Coleraine	6.8%	11.6%	18.6%	24.3%	25.7%	29.9%	38.4%	34.9%
Derry	2.7%	7.2%	13.7%	28.1%	24.4%	31.9%	32.6%	31.9%
Limavady	2.5%	10.9%	27.3%	35.9%	28.5%	36.0%	33.0%	34.3%
Magherafelt	4.9%	18.1%	31.4%	35.7%	35.3%	38.1%	42.1%	50.0%
Moyle	2.1%	4.6%	11.3%	25.5%	26.5%	34.5%	30.7%	34.4%
Strabane	4.1%	8.6%	17.3%	21.3%	22.8%	23.0%	25.7%	26.1%
All NWRWMG	<b>4.6%</b>	<b>10.1%</b>	<b>19.3%</b>	<b>27.6%</b>	<b>26.3%</b>	<b>31.3%</b>	<b>34.2%</b>	<b>35.0%</b>
<b>SWaMP2008</b>								
Armagh	16.5%	21.0%	23.3%	26.7%	32.8%	37.3%	36.3%	38.3%
Banbridge	29.5%	33.3%	39.2%	41.0%	45.1%	45.7%	47.9%	49.6%
Cookstown	17.3%	16.2%	20.1%	28.1%	31.6%	36.3%	39.0%	38.6%
Craigavon	16.1%	19.3%	23.3%	29.3%	30.0%	34.7%	35.4%	37.1%
Dungannon	10.9%	13.4%	20.1%	19.5%	24.9%	30.2%	33.3%	33.2%
Fermanagh	10.6%	17.5%	21.0%	20.8%	27.8%	28.8%	26.7%	29.7%
Newry & Mourne	9.3%	13.4%	20.0%	24.9%	27.8%	30.1%	32.6%	33.7%
Omagh	9.1%	12.2%	19.6%	17.8%	27.9%	38.1%	38.1%	39.9%
All SWaMP2008	<b>14.3%</b>	<b>18.0%</b>	<b>23.0%</b>	<b>25.9%</b>	<b>30.5%</b>	<b>34.4%</b>	<b>35.5%</b>	<b>37.0%</b>
Northern Ireland	<b>10.0%</b>	<b>12.5%</b>	<b>18.9%</b>	<b>24.5%</b>	<b>27.7%</b>	<b>31.9%</b>	<b>34.4%</b>	<b>35.6%</b>

Source: NIEA

**KPI(a) - Household waste sent for recycling (inc. composting) as a percentage of household waste arisings in Northern Ireland, 1998/99 - 2009/10**



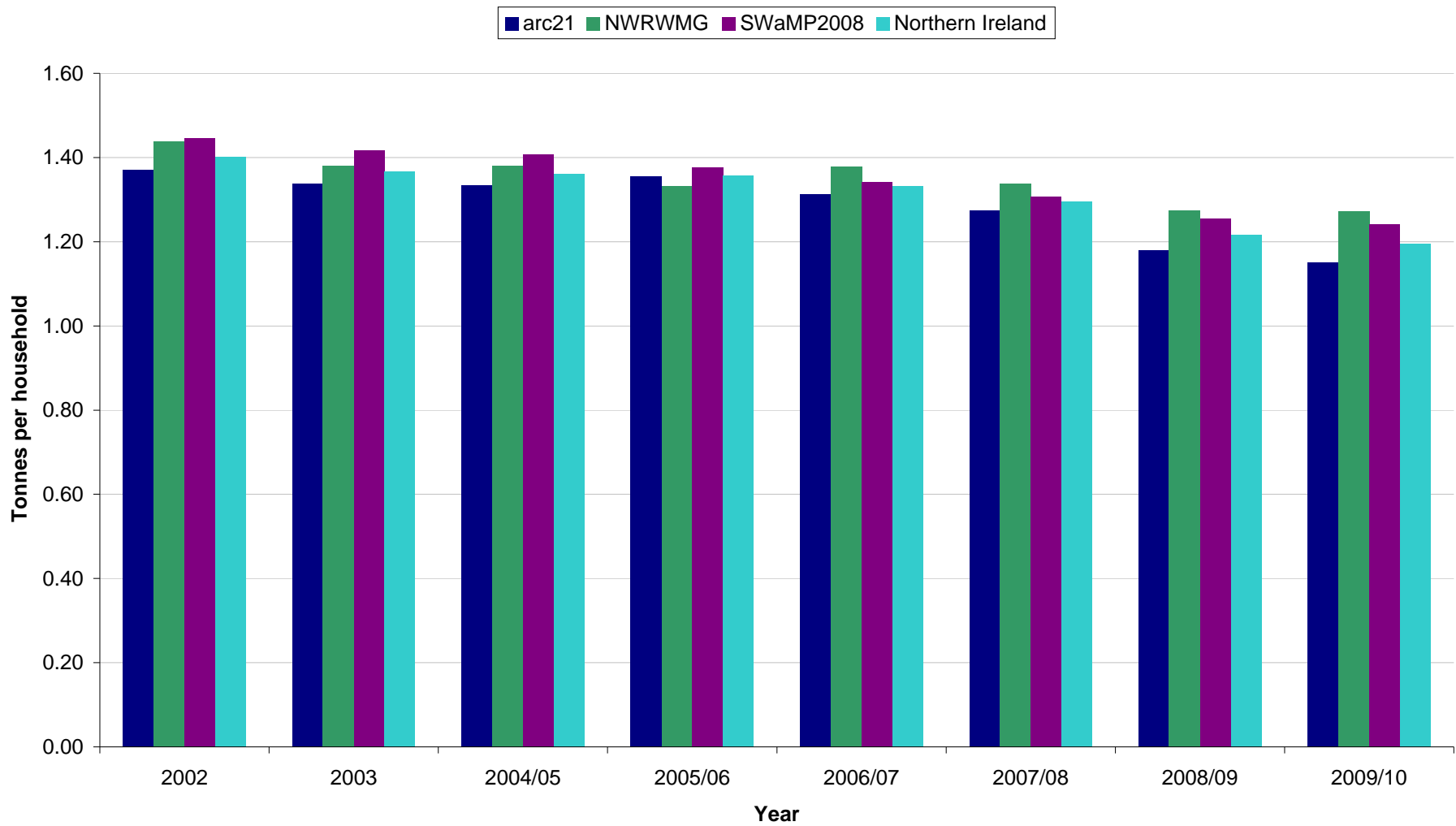
**Table 18: Annual household waste per household in Northern Ireland, KPI(h), 2002 - 2009/10**

Unit: Tonnes per household

Area	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
<b>arc21</b>								
Antrim	1.540	1.205	1.578	1.630	1.655	1.742	1.595	1.492
Ards	1.494	1.456	1.530	1.465	1.419	1.389	1.269	1.235
Ballymena	1.368	1.447	1.487	1.551	1.487	1.333	1.306	1.273
Belfast	1.215	1.202	1.237	1.268	1.203	1.163	1.045	1.028
Carrickfergus	1.564	1.379	1.355	1.422	1.347	1.286	1.212	1.215
Castlereagh	1.266	1.190	1.078	1.186	1.130	1.113	1.059	1.040
Down	1.411	1.536	1.209	1.155	1.169	1.158	1.162	1.163
Larne	1.328	1.219	1.348	1.493	1.371	1.293	1.214	1.214
Lisburn	1.584	1.576	1.476	1.387	1.325	1.280	1.190	1.175
Newtownabbey	1.403	1.384	1.267	1.397	1.407	1.352	1.302	1.215
North Down	1.405	1.376	1.422	1.404	1.401	1.393	1.195	1.147
All arc21	<b>1.370</b>	<b>1.339</b>	<b>1.333</b>	<b>1.356</b>	<b>1.313</b>	<b>1.275</b>	<b>1.180</b>	<b>1.150</b>
<b>NWRWMG</b>								
Ballymoney	1.328	1.380	1.219	1.193	1.230	1.171	1.148	1.155
Coleraine	1.557	1.629	1.776	1.543	1.469	1.338	1.286	1.230
Derry	1.287	1.166	1.250	1.315	1.423	1.297	1.251	1.282
Limavady	1.352	1.507	1.226	1.307	1.341	1.570	1.430	1.398
Magherafelt	1.547	1.296	1.314	1.340	1.377	1.400	1.384	1.414
Moyle	1.485	1.268	1.225	1.016	1.146	1.199	1.161	1.159
Strabane	1.657	1.565	1.423	1.287	1.360	1.397	1.235	1.213
All NWRWMG	<b>1.438</b>	<b>1.381</b>	<b>1.380</b>	<b>1.333</b>	<b>1.378</b>	<b>1.339</b>	<b>1.275</b>	<b>1.271</b>
<b>SWaMP2008</b>								
Armagh	1.442	1.490	1.423	1.262	1.222	1.223	1.175	1.176
Banbridge	1.410	1.441	1.431	1.411	1.399	1.424	1.373	1.388
Cookstown	1.533	1.468	1.493	1.537	1.481	1.450	1.361	1.327
Craigavon	1.486	1.379	1.375	1.347	1.317	1.193	1.185	1.160
Dungannon	1.504	1.479	1.557	1.567	1.527	1.520	1.426	1.409
Fermanagh	1.312	1.322	1.251	1.235	1.306	1.286	1.165	1.113
Newry & Mourne	1.351	1.291	1.387	1.353	1.363	1.325	1.286	1.295
Omagh	1.652	1.642	1.464	1.453	1.190	1.183	1.185	1.179
All SWaMP2008	<b>1.447</b>	<b>1.417</b>	<b>1.408</b>	<b>1.377</b>	<b>1.342</b>	<b>1.307</b>	<b>1.256</b>	<b>1.242</b>
Northern Ireland	<b>1.402</b>	<b>1.366</b>	<b>1.361</b>	<b>1.357</b>	<b>1.332</b>	<b>1.295</b>	<b>1.217</b>	<b>1.196</b>

Source: NIEA

**KPI(h) - Annual household waste per household in Northern Ireland by waste management group, 2002 - 2009/10**



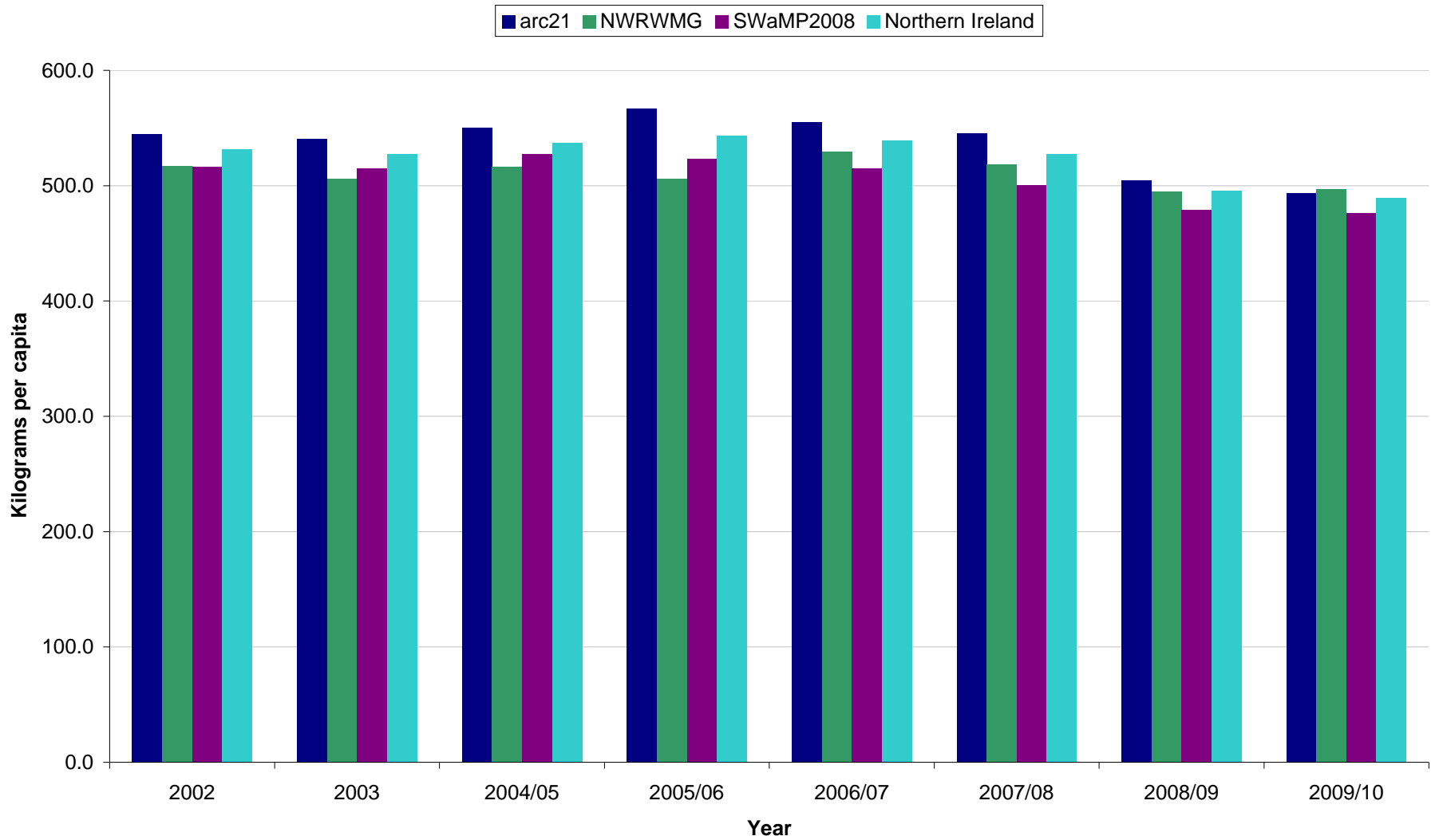
**Table 19: Annual household waste per capita in Northern Ireland, KPI(p), 2002 - 2009/10**

Unit: Kilograms per capita

Area	2002	2003	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10
<b>arc21</b>								
Antrim	552.1	436.9	585.7	616.8	635.4	664.1	607.6	567.0
Ards	595.7	589.3	631.1	612.1	598.5	589.4	541.7	530.1
Ballymena	520.9	557.9	580.8	609.5	586.6	526.4	516.8	506.5
Belfast	510.6	514.1	544.6	570.8	547.6	539.5	485.8	482.4
Carrickfergus	616.4	547.0	539.8	568.9	542.3	517.0	488.9	491.2
Castlereagh	514.8	489.6	448.7	498.9	482.0	479.9	453.6	445.9
Down	511.7	571.1	452.1	438.0	449.6	450.7	452.9	455.4
Larne	542.2	506.5	572.7	640.5	601.1	571.5	541.2	545.4
Lisburn	588.4	596.7	576.2	548.8	529.6	524.6	486.7	476.9
Newtownabbey	557.9	559.1	524.2	583.3	592.0	572.9	547.5	510.4
North Down	575.4	570.2	598.2	592.7	597.2	598.1	516.1	495.7
All arc21	<b>544.8</b>	<b>540.7</b>	<b>549.9</b>	<b>567.0</b>	<b>554.8</b>	<b>545.1</b>	<b>504.6</b>	<b>493.5</b>
<b>NWRWMG</b>								
Ballymoney	483.9	515.1	469.3	463.8	483.0	460.5	451.8	455.2
Coleraine	657.4	708.2	783.0	692.2	673.8	622.2	599.9	580.5
Derry	441.9	406.3	442.8	470.5	511.6	468.6	452.1	464.6
Limavady	448.6	507.4	422.2	457.4	475.3	562.7	522.0	518.3
Magherafelt	510.6	432.1	447.9	465.7	483.7	494.3	487.2	501.6
Moyle	606.5	529.9	525.2	442.2	511.9	537.4	520.6	522.0
Strabane	571.9	549.6	517.5	477.6	509.8	529.5	469.5	463.4
All NWRWMG	<b>517.1</b>	<b>506.2</b>	<b>516.5</b>	<b>506.1</b>	<b>529.6</b>	<b>518.4</b>	<b>495.0</b>	<b>496.8</b>
<b>SWaMP2008</b>								
Armagh	494.4	519.1	519.3	465.6	454.7	455.8	439.9	442.6
Banbridge	524.0	546.1	558.4	558.1	556.3	564.3	545.5	559.1
Cookstown	523.1	510.9	536.9	560.6	545.0	533.4	499.7	492.7
Craigavon	567.7	542.0	555.3	557.2	550.0	496.7	487.7	474.4
Dungannon	520.8	521.2	565.5	576.9	564.5	558.2	524.4	520.9
Fermanagh	318.3	325.9	318.4	318.3	342.8	337.7	305.9	469.5
Newry & Mourne	715.4	693.0	760.6	751.3	758.3	729.8	702.5	444.9
Omagh	559.2	565.4	517.5	521.4	438.3	442.2	444.4	446.7
All SWaMP2008	<b>516.1</b>	<b>514.9</b>	<b>527.2</b>	<b>523.2</b>	<b>514.7</b>	<b>500.2</b>	<b>479.2</b>	<b>475.9</b>
Northern Ireland	<b>531.9</b>	<b>527.2</b>	<b>537.4</b>	<b>543.6</b>	<b>539.0</b>	<b>527.6</b>	<b>495.7</b>	<b>489.2</b>

Source: NIEA

### KPI(p) - Annual household waste per capita in Northern Ireland, 2002 - 2009/10



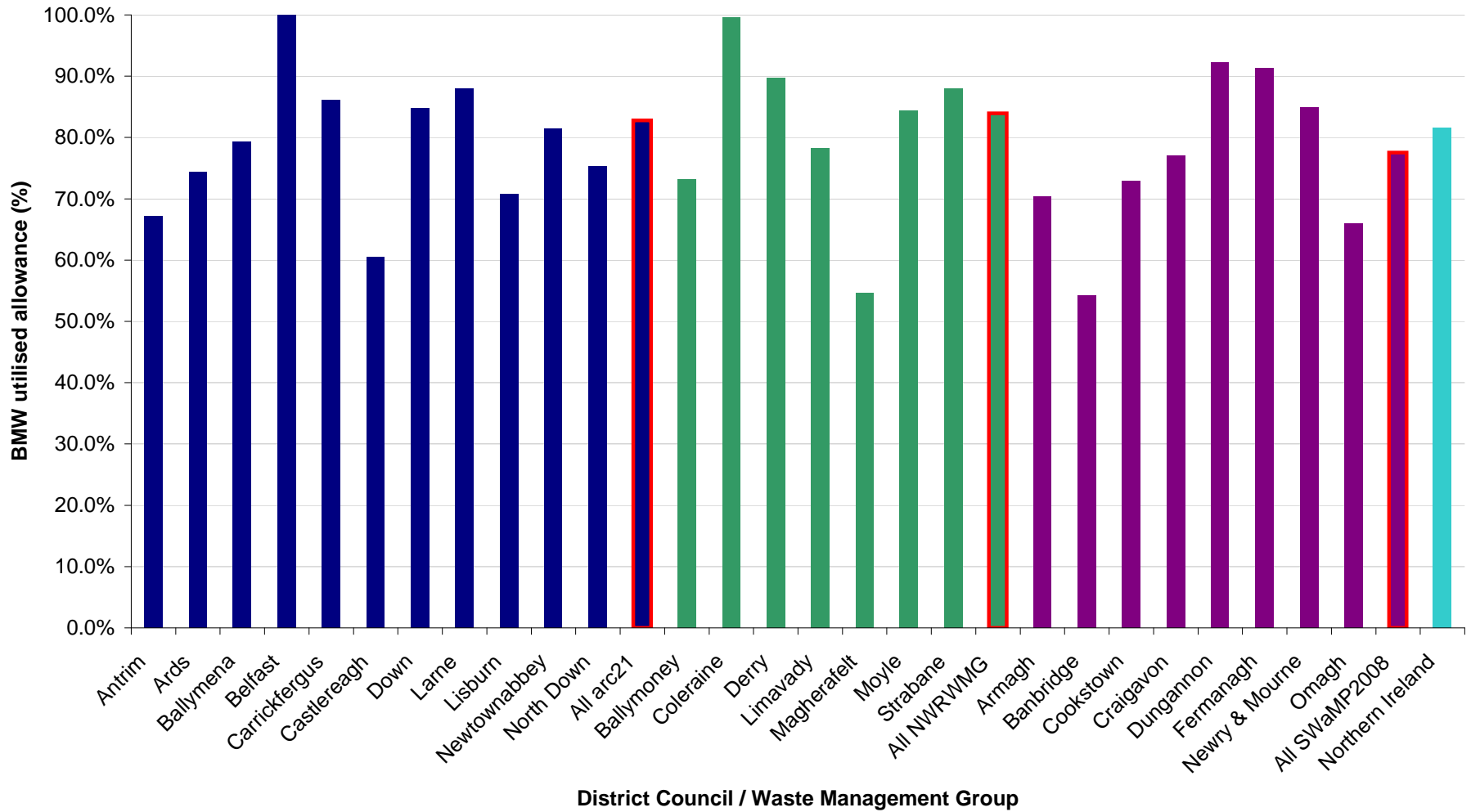
**Table 20: Reported Biodegradable Municipal waste (BMW) sent to landfill, KPI(g), in N Ireland, 2005/06 - 2009/10**

Area	KPI(g)					2009/10 allowance allocation*	2009/10 non-utilised allowances	2009/10 utilised allowances (%)
	2005/06	2006/07	2007/08	2008/09	2009/10			
<b>arc21</b>								
Antrim	12,635	12,402	13,417	11,911	9,073	13,500	4,427	67.2%
Ards	25,851	25,046	24,701	21,156	15,352	20,645	5,293	74.4%
Ballymena	19,355	18,439	17,990	15,197	12,894	16,260	3,366	79.3%
Belfast	106,509	96,063	89,939	85,586	73,552	73,557	5	100.0%
Carrickfergus	14,935	14,116	11,802	11,586	9,154	10,626	1,472	86.1%
Castlereagh	15,496	14,450	13,882	13,369	10,793	17,857	7,064	60.4%
Down	17,262	17,382	19,096	22,726	15,460	18,231	2,771	84.8%
Larne	11,345	10,259	9,769	9,110	7,381	8,384	1,003	88.0%
Lisburn	37,242	34,186	30,412	28,016	21,236	30,007	8,771	70.8%
Newtownabbey	27,599	28,024	26,488	22,843	17,833	21,894	4,061	81.5%
North Down	28,503	25,257	23,239	20,221	15,758	20,921	5,163	75.3%
<b>All arc21</b>	<b>316,732</b>	<b>295,624</b>	<b>280,735</b>	<b>261,721</b>	<b>208,486</b>	<b>251,882</b>	<b>43,396</b>	<b>82.8%</b>
<b>NWRWVG</b>								
Ballymoney	8,119	8,724	8,048	7,172	5,827	7,960	2,133	73.2%
Coleraine	22,604	23,411	21,203	17,027	16,355	16,423	68	99.6%
Derry	27,909	33,509	31,900	30,962	26,543	29,568	3,025	89.8%
Limavady	8,016	9,200	9,304	8,363	6,646	8,493	1,847	78.3%
Magherafelt	10,445	10,977	10,354	9,438	6,301	11,545	5,244	54.6%
Moyle	6,043	5,739	5,211	5,056	3,855	4,569	714	84.4%
Strabane	12,345	12,697	12,743	11,540	9,431	10,725	1,294	87.9%
<b>All NWRWVG</b>	<b>95,481</b>	<b>104,257</b>	<b>98,763</b>	<b>89,558</b>	<b>74,958</b>	<b>89,283</b>	<b>14,325</b>	<b>84.0%</b>
<b>SWaMP2008</b>								
Armagh	14,296	13,715	12,255	12,739	10,843	15,420	4,577	70.3%
Banbridge	10,213	9,110	9,753	8,837	6,685	12,324	5,639	54.2%
Cookstown	10,402	9,997	9,184	8,415	6,815	9,356	2,541	72.8%
Craigavon	27,624	24,191	24,657	23,218	17,659	22,928	5,269	77.0%
Dungannon	16,694	16,223	15,386	14,517	12,531	13,580	1,049	92.3%
Fermanagh	21,740	21,117	21,209	19,419	14,817	16,229	1,412	91.3%
Newry & Mourne	28,105	27,608	26,259	25,061	21,450	25,240	3,790	85.0%
Omagh	16,722	13,894	12,004	11,595	9,085	13,760	4,675	66.0%
<b>All SWaMP2008</b>	<b>145,796</b>	<b>135,855</b>	<b>130,707</b>	<b>123,801</b>	<b>99,885</b>	<b>128,837</b>	<b>28,952</b>	<b>77.5%</b>
<b>Northern Ireland</b>	<b>558,009</b>	<b>535,736</b>	<b>510,205</b>	<b>475,080</b>	<b>383,329</b>	<b>470,000</b>	<b>86,673</b>	<b>81.6%</b>

Source: NIEA

\* after transfers

**Reported Biodegradable Municipal waste (BMW) sent to landfill in N Ireland by district council and waste management group, 2009/10**

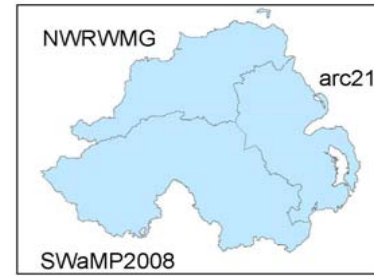
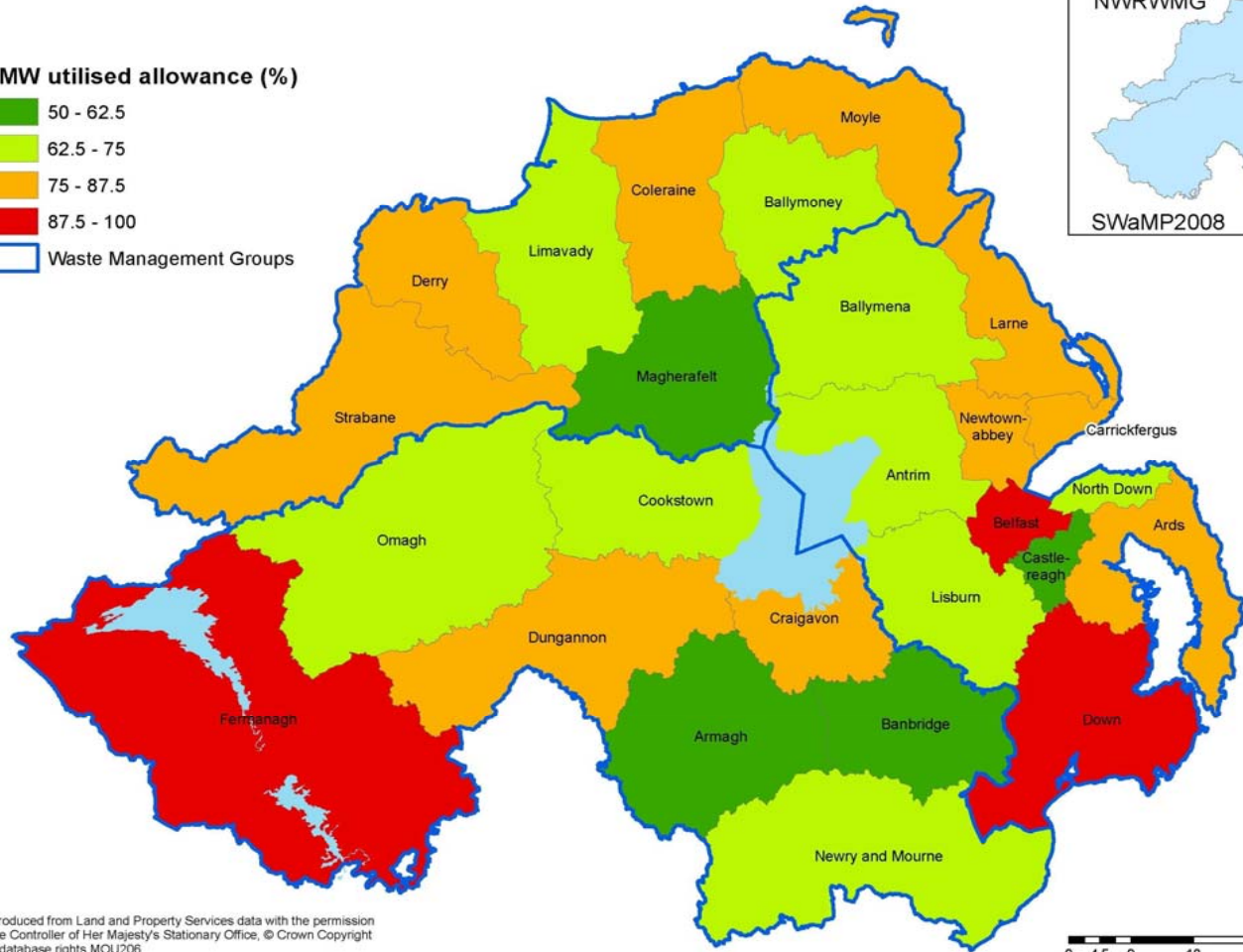


Biodegradable Municipal Waste utilised allowance (%) 2008/09

**BMW utilised allowance (%)**

- 50 - 62.5
- 62.5 - 75
- 75 - 87.5
- 87.5 - 100

Waste Management Groups



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