

**Local Authority
Waste Arisings Survey
2005/2006**

**Results for
Eilean Siar**



A survey by the Scottish Environment Protection Agency

Local Authority Waste Arisings Survey 2005/2006

The data presented in this report are based on the information provided by Eilean Siar for the annual Local Authority Waste Arisings Survey. The data relates to the waste arisings, recycling, composting and disposal of all waste collected by or on behalf of the council during the financial year April 2005 - March 2006.

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PART A: WASTE COLLECTION

During 2005/2006 a total of

14,678 household premises
 1,733 commercial premises
 413 industrial premises

received a regular waste collection service within Eilean Siar.

The household premises received the following types of waste containment:

Containment Type	%
Wheeled bins	100
Plastic sacks	0
Multi-occupancy systems	0
Skips	0
Others	0
Total	100

The council estimates that

3,646 household premises
 0 commercial premises
 0 industrial premises

received or were offered a kerbside recycling service.

The household premises that received a kerbside recycling service were provided with the following type of containment:

Containment Type	%
Wheeled bins	0
Plastic sacks	0
Multi-occupancy systems	0
Skips	0
Plastic boxes	0
Hessian sacks	0
2 baskets, 1 hessian bag, 1 plastic bag cont	0

Councils may provide households with more than one type of containment for kerbside recycling. The percentage given refers to the percentage of households receiving a particular type of containment for the kerbside recycling collection.

PART B: WASTE TREATMENT AND DISPOSAL

The total quantity of waste collected for disposal by or on behalf of Eilean Siar during 2005/2006 was 21,147 tonnes. The totals in this section do not include the wastes in table B5.

The total quantity of waste disposed was 20,273 tonnes. This is less than the quantity of waste collected for disposal. This is due to some waste collected for disposal being recycled or composted.

Waste was only disposed of within the council area.

Separate and mixed collections of household and commercial waste were operated within this area.

Table B1 shows the quantities and sources of waste collected for disposal by or on behalf of Eilean Siar.

Table B1: Total waste collected for disposal	
Source of Waste	Tonnes
Household	16,200
Commercial	3,646
Industrial	1,302
Other non-household	0
Total	21,147

Table B2 shows the quantity of household waste collected for disposal by or on behalf of Eilean Siar.

Table B2: Household waste collected for disposal	
Type of Waste	Tonnes
Collected for disposal within the Eilean Siar area	
Household waste from mainstream collection (mixed)	9,101
Street cleansing and litter	790
Bulky waste	1,027
Civic amenity waste	1,171
Other collected household waste	4,111
Sub Total	16,200
Collected for disposal outside the Eilean Siar area	
None	
Sub Total	0
Total	16,200

The total household waste collected for disposal by or on behalf of Eilean Siar during 2005/2006 was 16,200 tonnes.

Table B3 shows the quantity of non-household waste collected for disposal by or on behalf of Eilean Siar.

Table B3: Non-household waste collected for disposal	
Type of Waste Collected for Disposal	Tonnes
Disposal within the Eilean Siar area	
Commercial waste (from mixed collection)	3,034
Commercial waste (from separate collection)	612
Industrial waste (from separate collection)	1,302
Sub Total	4,948
Disposal outside the Eilean Siar area	
None	
Sub Total	0
Total	4,948

The total non-household waste collected for disposal by or on behalf of Eilean Siar during 2005/2006 was 4,948 tonnes.

Table B4 shows the treatment and disposal methods used for waste disposed of by or on behalf of Eilean Siar.

Table B4: Waste treatment and disposal methods	
	Tonnes
Within the Eilean Siar area	
Landfill (without methane recovery)	20,273
Sub Total	20,273
Outside the Eilean Siar area	
None	
Sub Total	0
Total	20,273

Table B5 shows the quantities of ELVs, road maintenance waste and construction and demolition waste collected for disposal by or on behalf of Eilean Siar during 2005/2006. This waste is not included in tables B1 to B4.

Table B5: Additional waste disposal	
	Tonnes
Road Maintenance Waste	
None	
Sub Total	0
ELV's/Abandoned Vehicles	
None	
Sub Total	0
Construction and Demolition Waste	
None	
Sub Total	0
Total	0

There was no compositional waste analysis undertaken by Eilean Siar during 2005/2006. Table B6 shows the results of the compositional waste analysis undertaken by Eilean Siar during 2005/2006.

PART C: WASTE RECYCLING AND COMPOSTING

RECYCLING

The total quantity of waste collected for recycling by or on behalf of Eilean Siar during 2005/2006 plus material extracted for recycling was 2,513 tonnes. This figure is equal to the total waste actually recycled as none of the waste collected for recycling was disposed of.

Material collected through kerbside collections and bring recycling were only recycled within the council area.

Materials for recycling were collected through kerbside collections, 2 civic amenity sites and 52 bring (drop-off) facilities or went to a sorting facility.

Tables C1, C2, C3 and C4 show the methods used for collection and the types and quantities of materials recycled.

Table C1: Kerbside collection			
Material	Collected for Recycling (Tonnes)	Disposed of Instead of Recycled (Tonnes)	Recycled (Tonnes)
Household Waste			
None			
Sub Totals	0	0	0
Commercial Waste			
None			
Sub Total	0	0	0
Industrial Waste			
None			
Sub Total	0	0	0
Total	0	0	0

Table C2: Bring recycling				
Material	Collected for Recycling (Tonnes)	Disposed of Instead of Recycled (Tonnes)	Recycled (Tonnes)	No. of Sites
Glass	310	0	310	52
Paper	361	0	361	8
Mixed cans	34	0	34	52
Mixed plastics	55	0	55	52
Oils	97	0	97	2
Co-mingled materials sent to sorting facility	35	0	35	1
Total	892	0	892	

Table C3: Materials sent to a sorting facility			
Material	Collected for Recycling (Tonnes)	Disposed of Instead of Recycled (Tonnes)	Recycled (Tonnes)
cans/plastics/glass/paper	35	0	35
Total	35	0	35

Table C4: Materials extracted for recycling and other recycling			
Material	Collected for Recycling (Tonnes)	Disposed of Instead of Recycled (Tonnes)	Recycled (Tonnes)
Metal	1,426	0	1,426
Tyres	195	0	195
Total	1,621	0	1,621

COMPOSTING

The total quantity of waste collected for composting by or on behalf of Eilean Siar during 2005/2006 was 237 tonnes.

Table C5 shows the amount of waste that was composted by or on behalf of Eilean Siar.

Table C5: Composting				
Type of Service	Waste Type	Collected for Composting (Tonnes)	Disposed of Instead of Composted (Tonnes)	Composted (Tonnes)
Bring/CA sites	Green	237	0	237
	Mixed organic	0	0	0
	Mixed municipal	0	0	0
Total		237	0	237

The weight loss during composting was 71 tonnes and the local authority used 166 tonnes of composted material for daily cover.

Table C6 shows the uses made of the composted materials during 2005/2006.

Table C6: Composting use	
Use of Compost (after weight loss)	Composted Material (Tonnes)
Meeting BSI PAS 100	0
Used for landfill restoration	0
Used as soil conditioner or for landscaping	0
Total	0

HOME COMPOSTING

Table C7 shows the types, numbers and sizes of composting bins distributed by Eilean Siar during 2005/2006.

Table C7: Distribution of home composting bins		
Type of Home Composting Bins	No. Distributed in 2005/2006	Size of Bin (Litres)
Composter	0	0
	0	0
Digester	0	0
	0	0
Wormery	0	0
	0	0
Other	0	0
	0	0

SUMMARY OF RECYCLING AND COMPOSTING

The sources and quantities of waste recycled or composted are shown in Table C8. Road maintenance waste, ELV's/abandoned vehicles and construction and demolition waste is excluded from these figures.

Table C8: Total waste recycled or composted			
Source of waste	Recycled (Tonnes)	Composted (Tonnes)	Total (Tonnes)
Household	2,235	0	2,235
Commercial	278	0	278
Industrial	0	0	0
Total	2,513	0	2,513

Table C9 shows road maintenance waste, ELV's/abandoned vehicles and construction and demolition waste that has been recycled.

Table C9: Additional recycling	
Waste Material	Total (Tonnes)
Road maintenance waste	0
ELV's/abandoned vehicles	340
Construction and demolition waste	0
Total	340

PART D: WASTE SUMMARY

From the data given in Parts B and C above, the total waste arisings for the waste collected by or on behalf of Eilean Siar during 2005/2006 was 23,126 tonnes. These arisings can be broken down by source as shown in Table D1.

Table D1: Total waste arisings	
Source of Waste	Tonnes
Household	17,560
Commercial	3,924
Industrial	1,642
Other	0
Total	23,126

The waste management methods used for the waste arisings in Eilean Siar during 2005/2006 are summarised in Table D2.

Table D2: Waste management method						
Source of Waste	Landfill	Incineration	Other	Recycling	Composting	Total
Household	15,325	0	0	2,235	0	17,560
Commercial	3,646	0	0	278	0	3,924
Industrial	1,302	0	0	340	0	1,642
Other	0	0	0	0	0	0
Total	20,273	0	0	2,853	0	23,126

NOTES ON VERIFICATION OF DATA & ASSUMPTIONS MADE BY SEPA

Where the sum of the figures in a table does not equal the total this is due to rounding.

If more than one disposal method is used by the council, SEPA has assumed that the proportion of household, commercial and industrial wastes going to each disposal site is the same as that for the total waste collected for disposal.

SEPA assumes ELVs to be classified as industrial waste according to the Controlled Waste Regulations 1992, Schedule 3, "Waste which has previously formed part of any aircraft, vehicle or vessel and which is not household waste".

The tonnages reported for composting in Tables C8, D1 and D2 refer to the weight of the waste that was composted rather than the weight of material resulting from the composting process.

In 2005/06 local authorities provided SEPA with data on municipal waste through the Landfill Allowance Scheme Quarterly Monitoring Return (LASQM Return) which have already been published on the SEPA website. Due to differences in the two reporting systems it may be that the results from the LASQM and the LAWAS data minus industrial waste (to make it comparable with municipal waste) are not exactly the same.