

**Local Authority  
Waste Arisings Survey  
2003/2004**

**Results for  
Comhairle nan Eilean Siar**



**A survey by the Scottish Environment Protection Agency**

# **Local Authority Waste Arisings Survey 2003/2004**

The data presented in this report are based on the information provided by Comhairle nan 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 2003 - March 2004.

## **Summary of Report Data**

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Table D2: Waste management method

## PART A: WASTE COLLECTION

During 2003/2004 a total of

13,751 household premises  
1,290 commercial premises  
41 industrial premises

received a regular waste collection service within Comhairle nan Eilean Siar.

The household premises received the following types of waste containment:

<b>Table A1: Types of containment for regular household waste collection</b>	
<b>Containment Type</b>	<b>%</b>
Wheeled bins	99.7
Plastic sacks	0
Multi-occupancy systems	0
Skips	0.3
Others	0
<b>Total</b>	<b>100</b>

The council estimates that

0 household premises  
10 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:

<b>Table A2: Types of containment for household kerbside recycling collection</b>	
<b>Containment Type</b>	<b>%</b>
Wheeled bins	0
Plastic sacks	0
Multi-occupancy systems	0
Skips	0
Others	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 Comhairle nan Eilean Siar during 2003/2004 was 20,694 tonnes.

The total disposed of was 19,664 tonnes. This is due to 1,030 tonnes collected in the waste mainstream for disposal which was recycled.

Waste was only disposed of inside 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 Comhairle nan Eilean Siar.

<b>Table B1: Total waste collected for disposal</b>	
<b>Source of Waste</b>	<b>Tonnes</b>
Household	15,893
Commercial	3,784
Industrial	1,017
Other non-household	0
<b>Total</b>	<b>20,694</b>

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

<b>Table B2: Household waste collected for disposal</b>	
<b>Type of Waste</b>	<b>Tonnes</b>
<b>Collected for disposal within the Comhairle nan Eilean Siar area</b>	
Household waste from mainstream collection (mixed)	9,120
Street cleansing and litter	813
Bulky waste	1,036
Other collected household waste	4,119
Civic amenity waste	805
<b>Sub Total</b>	<b>15,893</b>
<b>Collected for disposal outside the Comhairle nan Eilean Siar area</b>	
None	
<b>Sub Total</b>	<b>0</b>
<b>Total</b>	<b>15,893</b>

The total household waste collected for disposal by or on behalf of Comhairle nan Eilean Siar during 2003/2004 was 15,893 tonnes.

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

<b>Table B3: Non-household waste collected for disposal</b>	
<b>Type of Waste Collected for Disposal</b>	<b>Tonnes</b>
<b>Disposal within the Comhairle nan Eilean Siar area</b>	
Commercial waste (from mixed collection)	3,040
Commercial waste (from separate collection)	744
Industrial waste (from separate collection)	1,017
<b>Sub Total</b>	<b>4,801</b>
<b>Disposal outside the Comhairle nan Eilean Siar area</b>	
None	
<b>Sub Total</b>	<b>0</b>
<b>Total</b>	<b>4,801</b>

The total non-household waste collected for disposal by or on behalf of Comhairle nan Eilean Siar during 2003/2004 was 4,801 tonnes.

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

<b>Table B4: Waste treatment and disposal methods</b>	
	<b>Tonnes</b>
<b>Within the Comhairle nan Eilean Siar area</b>	
Landfill (without methane recovery)	19,664
<b>Sub Total</b>	<b>19,664</b>
<b>Outside the Comhairle nan Eilean Siar area</b>	
None	
<b>Sub Total</b>	<b>0</b>
<b>Total</b>	<b>19,664</b>

Table B5 shows the percentage by weight of materials found in the most recent compositional waste analysis. The waste for analysis was collected from certain households, streets or rounds during February 2002 and July 2002. The weight separated by the analysis was 2752 kg with 160 samples taken out. 160 households were covered by these samples.

<b>Table B5: Composition of household waste disposed</b>	
<b>Waste material</b>	<b>% by weight</b>
Paper and card	20.6
Plastic film	3.7
Dense plastic	5.2
Textiles	8.3
Other combustibles	12.8
Other non-combustibles	0.2
Glass	5.2
Putrescibles	27.6
Ferrous metal	7.9
Non-ferrous metal	1.1
WEEE	0
Potentially hazardous household waste	0
Fines	7.5
<b>Total</b>	<b>100%</b>

## PART C: WASTE RECYCLING AND COMPOSTING

### RECYCLING

The total quantity of waste collected for recycling by or on behalf of Comhairle nan Eilean Siar during 2003/2004 was 2,129 tonnes. This figure is equal to the total waste actually recycled as none of the waste collected for recycling was disposed of.

281 tonnes of materials were recycled in the local authority area and 1,848 tonnes were exported for recycling.

Materials for recycling were collected through kerbside collections, 2 civic amenity sites and a number of other bring (drop-off) facilities.

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

<b>Table C1: Kerbside collection</b>			
<b>Material</b>	<b>Collected for Recycling (Tonnes)</b>	<b>Disposed of Instead of Recycled (Tonnes)</b>	<b>Recycled (Tonnes)</b>
<b>Household Waste</b>			
None			
<b>Sub Totals</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Commercial Waste</b>			
Glass	93.5	0.0	93.5
<b>Sub Total</b>	<b>93.5</b>	<b>0.0</b>	<b>93.5</b>
<b>Industrial Waste</b>			
End of life vehicles	830.0	0.0	830.0
<b>Sub Total</b>	<b>830.0</b>	<b>0.0</b>	<b>830.0</b>
<b>Total</b>	<b>923.5</b>	<b>0.0</b>	<b>923.5</b>

<b>Table C2: Bring recycling</b>				
<b>Material</b>	<b>Collected for Recycling (Tonnes)</b>	<b>Disposed of Instead of Recycled (Tonnes)</b>	<b>Recycled (Tonnes)</b>	<b>No. of Sites</b>
Glass/cans/plastics	83.0	0.0	83.0	30
Paper	93.0	0.0	93.0	3
<b>Total</b>	<b>176.0</b>	<b>0.0</b>	<b>176.0</b>	

<b>Table C3: Materials recycling facility</b>			
<b>Material</b>	<b>Collected for Recycling (Tonnes)</b>	<b>Disposed of Instead of Recycled (Tonnes)</b>	<b>Recycled (Tonnes)</b>
None			
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

<b>Table C4: Other recycling</b>			
<b>Material</b>	<b>Collected for Recycling (Tonnes)</b>	<b>Disposed of Instead of Recycled (Tonnes)</b>	<b>Recycled (Tonnes)</b>
Metal	971.4	0	971.4
Tyres	11.3	0	11.3
Fridges	46.9	0	46.9
<b>Total</b>	<b>1029.6</b>	<b>0</b>	<b>1029.6</b>

## COMPOSTING

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

<b>Table C5: Composting</b>		
<b>Type of Collection</b>	<b>Tonnes</b>	<b>No. of Sites</b>
Kerbside	0	N/A
Bring	0	0
MRF	0	0
Other	0	0
<b>Total</b>	<b>0</b>	

## HOME COMPOSTING

No composters were distributed to households during 2003/2004.

## SUMMARY OF RECYCLING AND COMPOSTING

The sources and quantities of waste recycled or composted are shown in Table C6.

<b>Table C6: Total waste recycled or composted</b>			
<b>Source of waste</b>	<b>Recycled (Tonnes)</b>	<b>Composted (Tonnes)</b>	<b>Total (Tonnes)</b>
Household	967	0	967
Commercial	282	0	282
Industrial	881	0	881
Other non-household	0	0	0
<b>Total</b>	<b>2,129</b>	<b>0</b>	<b>2,129</b>

## 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 Comhairle nan Eilean Siar during 2003/2004 was 21,793 tonnes. These arisings can be broken down by source as shown in Table D1.

<b>Table D1: Total waste arisings</b>	
<b>Source of Waste</b>	<b>Tonnes</b>
Household	16,069
Commercial	3,877
Industrial	1,847
Other	0
<b>Total</b>	<b>21,793</b>

The waste management methods used for the waste arisings in Comhairle nan Eilean Siar during 2003/2004 are summarised in Table D2.

<b>Table D2: Waste management method</b>						
<b>Source of Waste</b>	<b>Landfill</b>	<b>Incineration</b>	<b>Other Recovery</b>	<b>Recycling</b>	<b>Composting</b>	<b>Total</b>
Household	15,102	0	0	967	0	16,069
Commercial	3,596	0	0	282	0	3,877
Industrial	966	0	0	881	0	1,847
Other	0	0	0	0	0	0
<b>Total</b>	<b>19,664</b>	<b>0</b>	<b>0</b>	<b>2,129</b>	<b>0</b>	<b>21,793</b>

## 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 End of Life Vehicles 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".

SEPA does not include End of Life Vehicles for the purpose of calculating Recycling Rates.

This year SEPA & Audit Scotland worked to reconcile SEPA's LAWAS data and Audit Scotland's Performance Indicators. However, reconciliation of data from Comhairle nan Eilean Siar was inconclusive and the figures vary although the reasons are unknown.