



Shetland Islands Council

In partnership with Shetland Amenity Trust and C.O.P.E

Issue 1 Date 06/04/04

Environment News



Introduction

This is the first issue of a newsletter on environmental issues relating to recycling and waste management in the Shetland Islands. We hope to keep you informed on the performance of recycling schemes and advise on future campaigns and environmental issues. We would welcome any comments on the newsletter or the services we provide. A contacts list is provided at the end of the newsletter.

Area Waste Plan

The Area Waste Plan was adopted by the Council in 2002. It set out a strategy for Shetland that is the best practical environmental option for Shetland in managing waste arisings. Key areas for improvement identified in the plan are

- 1) Kerbside collection of glass and steel and aluminium cans in Lerwick and Scalloway.
- 2) Expansion of the bring sites to include banks for drinks cans.
- 3) Community recycling schemes
- 4) Expand home composting
- 5) Continued use of energy recovery plant to divert waste from Landfill.
- 6) Promotion of waste prevention and recycling.

Targets have been set nationally to ensure Scotland meets the demands of waste related directives and these include a Municipal Solid Waste (MSW) recycling rate for Scotland as a whole of 25% by 2006 and a diversion of biodegradable waste from landfill of 25% by 2010.

The Scottish Executive have approved the Area Waste Plan for Shetland as being the best practical environmental option with a target of 13.6% for recycling and a landfill diversion rate of 80% which exceeds the national target.

In order to achieve these targets we have bid for funding from the strategic waste fund held by the Scottish Executive and expect to hear if we have been successful by April 2004.

To view the waste plan click [Here](#).

Kerbside Collection

The council has requested funding from the Strategic Waste fund to operate a kerbside recycling collection scheme in Lerwick and Scalloway for glass and cans.

A separate vehicle will collect colour-coded sacks on the same day as the normal refuse collection. Blue sacks will be used for cans and green for glass. Householders will be asked to wash out their glass and cans and place them in the colour-coded sacks. Both sacks will be placed out on the normal refuse collection day on a fortnightly basis alongside their normal black bag.

By operating such a scheme it is hoped that more recyclables will be separated at source by the householder. The scheme gives an easy way for the householders to take part in recycling and environmental action to assist their local authority and the community.

[Introduction](#)

[Area Waste Plan](#)

[Kerbside Collection](#)

[Bring Schemes](#)

[Enviroglass](#)

[C.O.P.E scrapstore and Furniture recycling](#)

[Energy Recovery Plant](#)

[Landfill](#)

[Recycling Performance Indicators](#)

[SRI Recycling facilities and contacts](#)

If funding is received we would hope to commence the scheme by June.

For further information contact [Mary Lisk](#)

Bring Schemes

Funding has also been requested for an extension of the various bring schemes for recyclables. If successful this will mean that we can put more banks in rural areas, particularly ones for commercial glass at hotels, pubs, and halls.

Banks for drinks cans will also be put out to 20 sites around Shetland in April. This scheme will be operated in partnership with the Shetland Amenity Trust. The banks will be the same as existing banks but coloured blue.

Further oil banks will be put out to collect waste oils. A bank site is currently being finalised at Culvistor Quarry in Yell.

For further information contact [Mary Lisk](#)

Enviroglass

This is the brand name of various recycled glass products produced by Shetland Amenity Trust in Cunningsburgh from the glass collected by the Council in its public and commercial glass banks. The brand covers top of the market shot blast abrasive for commercial use; decorative glass for garden use and a general glass aggregate substitute. For details of the product and costs please contact Mick Clifton and Shetland Amenity Trust on (01595) 694688 or email.

Recycling of agri-plastic

The free collection of black bale wrap for recycling. Presently over 170 participating crofts take part annually with over 10 tonnes recovered for recycling each year.

Inkjet cartridge recycling

Shetland Amenity Trust issue collection boxes and pre-paid envelopes for the recycling of inkjet cartridges. This is a very popular scheme but please note - Epson cartridges cannot be accepted.

Community Re>paint scheme

Unwanted paint is stored, itemised and redistributed to community groups or people in need.

Architectural salvage

Shetland Amenity Trust actively salvage prime building materials from Landfill or condemned structures for reuse on community building projects. These include slates, building stone, internal timbers, ironmongery and other high quality or historic materials which would otherwise have been landfilled.

Aluminium can recycling for community groups and schools

Shetland Amenity Trust will supply free alu collection boxes and bags for the recycling of aluminium cans. All profits raised are passed back to the collecting groups.

For further information on the above contact [Mick Clifton](#)

C.O.P.E scrapstore and Furniture recycling

COPE run a scrapstore of household junk for art & craft activities which includes containers, cardboard tubes, bubble wrap, fabric off cuts, wood, wool, wall paper, string, aluminium trays and other materials.

Furniture recycling in Shetland has found a new exponent in COPE's Furniture Recycling Centre at the Market Cross, Lerwick. COPE will collect unwanted pieces of furniture from households, will repair them if necessary and sell them on at a reasonable rate in their shop. They will also undertake repairs on behalf of householders and return their furniture to them at an agreed rate per repair. Small household items are also welcomed by Vic and his staff, They will also undertake





complete house clearances if given enough notice. If you have need of any bits and pieces for a household or wish to dispose of such items please contact Vic Thomas on (01595) 693336 or pop in to the Scrapstore above the Soap Factory at the Market Cross.

For further information contact [Vic Thomas](#)

Energy Recovery Plant

The Energy Recovery Plant is a very effective way of reducing landfill tonnage and recovering energy from domestic and commercial waste. Hot water, produced at 112 degrees centigrade at a quantity of over 3000 tonnes per day, supplies the Lerwick District Heating Scheme.

The furnace, operating with a nominal feed rate of 3.3 tonnes an hour burns at a set temperature of 1120 degrees centigrade. Heat is transferred from the hot flue gasses into a 6.8 MW boiler generating the hot water.

The flue gases are then vigorously cleaned reducing hazardous emissions to limits well within legislative regulations.

The District Heating Company (Shetland Heat Energy And Power) provides heating and domestic hot water to a large number of households in Lerwick, including the Gilbert Bain Hospital, residential homes for the elderly, Clickimin leisure centre including the swimming pool and two large primary schools, Bells Brae and Sound. Some local companies also benefit from the endless supply of hot water as an economical energy source.

For further information [William Spence](#)

Landfill

The contrac for the new Landfill site at Gremista has been awarded, with an expected start date on site in April 2004. The site will take 18 months to complete and will include a sorting shed to divert waste from the Landfill and maximise waste recycling. It will also include a covered civic amenity area for household waste and recyclables with improved facilities for the public using the site compared to those provided at Rova Head.

Rova Head Landfill is due to close by August 2007, and we are currently preparing the closure and restoration plan for the site.

Rova Head landfill and the energy recovery plant were recently successful in obtaining accreditation under ISO 9001:2000

For further information on the Landfill contact [Jim Grant](#)

Performance Indicators

1.All waste

| <i>Item</i> | <i>2002-2003 Tonnes</i> | <i>2002- 2003 %</i> | <i>2003- 2004 Tonnes To Date</i> | <i>2003- 2004 % To Date</i> | <i>Area Waste Plan Target</i> |
|----------------------------|-----------------------------|-----------------------------|--|---|---|
| Glass | 361 | 1 | 300 | 1 | N/A |
| Aluminium | <1 | 0 | <1 | 0 | N/A |
| Ferrous Metal | 550.7 | 1 | 889 | 3 | N/A |
| Incinerator Ash | 4905 | 9 | 4250 | 12 | N/A |

| | | | | | |
|------------------------|----------------------|----|-------|----|-----|
| Batteries | 7.2 | 0 | 56.98 | 0 | N/A |
| Paper | <1 | 0 | 0.44 | 0 | N/A |
| Fridges | 50 | 0 | 25.92 | 0 | |
| Cooking Oil | 8.7 | 0 | 1.56 | 0 | N/A |
| Home compost | | | | | |
| Energy Recovery | 14937 ⁽¹⁾ | 26 | 13502 | 38 | N/A |
| Landfill | 36299 ⁽²⁾ | 64 | 16485 | 46 | N/A |

(1) Energy recovery tonnage is less residuals

(2) Large proportion of Drill Cuttings

2. MSW - Municipal Solid Waste

The figures below relate only to household and commercial waste collected by the Council. All national performance indicators and area waste plan targets are based on MSW only.

| Item | 2002-2003 Tonnes | 2002- 2003 % | 2003- 2004 Tonnes To Date | 2003- 2004 % To Date | Area Waste Plan 2020 Target % |
|--|-----------------------------|-----------------------------|--|---|--|
| Glass | 361 | 3 | 300 | 3 | 4.5 |
| Aluminium | <1 | 0 | <1 | 0 | 0.2 |
| Ferrous Metal | 315 | 3 | 532 | 5 | 8 |
| Incinerator Ash recycling | 2067 | 17 | 1865 | 17 | 17 |
| Batteries | 7.2 | 0 | 56.9 | 1 | 0.2 |
| Paper | <1 | 0 | 0.44 | 0 | 0.1 |
| Fridges | 50 | 0 | 25.92 | 0 | 0.1 |
| Cooking Oil | 8.7 | 0 | 1.56 | 0 | 0 |
| Home compost | | | | | 0.5 |
| Energy Recovery | 6073 | 47 | 5720 | 51 | 58 ⁽¹⁾ |
| Landfill | 3795 | 30 | 2685 | 24 | 11.4 |

(1) Energy recovery % is less residuals

3. Environmental- Energy Recovery

| Item | 2002- 2003 | 2003- 2004 to date | Authorisation Limit Mg/Nm³ |
|-------------|-----------------------|-----------------------------------|--|
|-------------|-----------------------|-----------------------------------|--|

| | | | |
|---|--------|--------|-----|
| Mega Watts Produced | 46409 | 36382 | N/A |
| Average SO₂ concentration in flue gas mg/Nm³ | 101.43 | 89.56 | 300 |
| Average NO_x concentration in flue gas mg/Nm³ | 262 | 248.48 | 300 |
| Average HCl concentration in flue gas mg/Nm³ | 0.46 | 0.42 | 30 |

We carry out regular baseline monitoring at a number of sites in Shetland and have found no increase in pollutants that are attributable to the operation of the energy recovery plant.

For further information on the above contact [Jim Grant](#)

[SRI Recycling facilities and contacts](#)

For further information on recycling, waste issues or to locate the facilities nearest to you please contact the people below.

Shetland Islands Council
 Infrastructure Services
 Grantfield
 Lerwick
 Tel 01595 744800
 Waste Services Manager [Jim Grant](#)
 Environmental Officer [Mary Lisk](#)

Energy Recovery Plant
 Greenhead
 Lerwick
 Tel 01595 690448
 Plant Manager [William Spence](#)

Shetland Amenity Trust
 Garthspool
 Lerwick
 Tel 01595 694688
 Project Officer [Mick Clifton](#)

C.O.P.E
 Pirate Lane

[Top](#)

Lerwick
Shetland
ZE1 ODL
Tel. 01595 693336
[Vic Thomas](#)

To unsubscribe from this news letter reply [Here](#)