



Shetland Islands Council

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

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Environment News



Introduction

This is the Second 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.

Awards

Shetland Islands Council

Shetland Islands Council was recently presented with an award from Eventful Scotland for outstanding contribution to the Scottish waste management industry. The award recognised the achievement of the Council in delivering an integrated waste solution for Shetland and Orkney through the provision of the Energy Recovery Plant and associated recycling activities.

Shetland Amenity Trust

The United Nations has selected Shetland Amenity Trust as Good Practice in the 2004 United Nations International Awards for Best Practice to Improve the Living Environment.

Shetland Amenity Trust was selected from a wide number of categories, which included Pollution Reduction, Environmental Remediation, Eco Tourism, Community Participation, Civic Awareness, Waste and Recycling and Resource Awareness.

Partnership working, community involvement and participation, funding opportunities, development, management and environmental benefits were all scrutinised by the U.N. Human Settlements Programme.

This is the third major achievement for the Trust in as many years with regard to environmental activities which includes Best Practice in Local Environmental Action by The Scottish Executive and Best Community Group for Recycling in the 2003 National Recycling Awards.

Bonfire Night

The Environmental Health and Trading Standards Sections would like to take the opportunity to wish everyone a happy and safe bonfire night and remind you that no inappropriate materials such as tyres or plastics are placed on bonfires. Further information can be found by reading the safety guide by following this link <http://www.dti.gov.uk/fireworks>

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Strategic Waste Fund

We received an offer of grant from the Scottish Executive in June 2004 to undertake a number of

recycling and waste prevention initiatives as detailed below. The total offer of grant £1.17 million over the next two years and an indicative grant of £4.69 million to the year 2020.

Kerbside Collection

Kerbside collection of glass and all types of cans will start in Lerwick and Scalloway from 1 November. Boxes of blue and green sacks are being distributed to all households in Lerwick and Scalloway. Householders are asked to place their new coloured bags at the kerbside on the same day and time as their black bag. Collection will be on a fortnightly basis and each household has been given a calendar showing the collection weeks.

The coloured sacks will be collected separately from the essay cart and the glass and cans will go for recycling.

The glass will be taken to Cunningsburgh for processing into aggregate by Enviroglass whilst cans will be sent south for reprocessing into further cans.

Householders are encouraged to buy back their recycled glass by purchasing the glass slabs or bags of crushed glass from Enviroglass. For details of this or to visit the process please contact Enviroglass on (01950) 477 666.

For further information contact [Mary Lisk](#)

Enviroglass

This initiative has undergone a radical change over the last 11 months. A significant amount of time has been spent undertaking Research and Development with a number of new recycled glass products being actively developed. In addition to this, Enviroglass produces a number of aggregate replacement products and industrial shotblast mediums, all made from recycled glass. Last year, over 300t of glass was recycled and Enviroglass is working in Partnership with Shetland Islands Council to increase the recycling of glass up to 600t per annum.

Within the next month or so, a new product will be launched made from recycled glass – recycled glass paving slabs. This product conforms to BS 1881 and will be available in a number of colours, giving a striking effect to any paved areas, patios or driveways at a price comparable to conventional slabs. More details will follow in the next Newsletter.



Recycling of agri-plastic

This year's scheme is nearly at an end with over 180 participating crofts from all parts of Shetland. Collections will be made at the end of June with an estimated 12 tonnes of plastic being reclaimed for recycling. Over the last three years, more than 25t of agricultural plastics have been recycled through this scheme

Inkjet cartridge recycling

This scheme remains popular through voluntary groups and Schools throughout Shetland. We provide collection boxes and pre-paid envelopes for "self-use" systems but also collect and store cartridges to be sent for recycling in bulk. All monies raised are passed back to collecting groups. Over 120 "self-use" collection packs have been distributed to date.

Community Re>paint scheme

A widely used initiative with over 700ltrs of paint being re-used to date. The paint is made available to community groups and voluntary organisations at no cost. The scheme will be re-housed into larger premises within the next two months to cope with demand.

Architectural salvage

Significant amounts of high quality building materials continue to be salvaged from Landfill or condemned buildings for re-use within community/public projects. An estimated 220t of stone, 4,000 slates and a large amount of internal timbers have been reclaimed to date, as too has a large amount of ironmongery, flagstones and windows. This initiative is limited only by the large amount of storage space needed to store, repair/dress and log materials before they are re-used.

Aluminium can recycling for community groups and schools

Aluminium cans collected by voluntary groups amounted to over 3t during '03/'04 with all profits passed back to collecting groups. This scheme undergoes continual development with free collection boxes and bags offered.

Public Can Banks – Drink Cans

A new initiative has been developed by Shetland Amenity Trust in Partnership with Shetland Islands Council (part funded by the New Opportunity Fund) – the provision of public can banks (blue in colour). These new can banks have been sited next to existing glass collection points with expansions planned for the future. As part of this development, new equipment has been installed at our Recycling Centre which is also undergoing development to include an education element for visiting school bairns which will focus on all types of recycling throughout Shetland and in particular, aluminium.

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

C.O.P.E Scrapstore and Furniture recycling

Due to continued success of the scheme the furniture recycling shop has moved to Garthspool behind the Toll Clock. These larger premises have allowed the display and repair of more goods, if you're looking for a bargain or have household items you wish to donate please call along and visit, our staff will be happy to help you find the item you need.

For further information contact [Vic Thomas](#)

Eco Schools

The Eco School programme continues to expand in Shetland. Currently over 70% of Shetland schools are registered with and working on the programme. Skeld Primary School received its first flag in April and Nesting Primary received theirs in October. They join the growing list of Shetland schools already awarded flags. Shetland now holds 18 separate awards.

Recent recruits to the programme have included the Anderson High School, Cunningsburgh Primary, Foula Primary, Fetlar Primary, Tingwall Primary and Aith Junior High School all of which should receive their first flag in the next two years. All Lerwick schools are now working on the programme, as are schools from Unst to the Ness and most of the remote isles.

Hamnavoe Primary will shortly be assessed for its second flag and it is anticipated that some four or five new schools throughout Shetland will also be in possession of their first flag by the late Spring.

Eco Congregation

An inaugural meeting of an Eco Congregation Network for Shetland was held in Lerwick on Saturday 23 October. The meeting was well attended and heard a presentation from Victoria Beale, of Eco Congregation Scotland detailing the programme.

It is a multi denominational scheme supported by Action of Churches Together in Scotland and the Scottish Executive. There are twelve modules with detailed supporting guidance notes which congregations can work through. These modules range from a detailed church check up and audit through modules on celebrating creation and children's environmental work to information on greening the purse strings by ethical investment.

In a similar way to the Eco School programme - which it resembles - there are also strong links into the community and advice on working in your community in environmental ways.

A number of churches felt that they could well benefit from the programme and it is thought that we may have our first Eco Church in Shetland by early next Spring. Orkney already has three accredited churches and over nearly 60 have been accredited nationally within Scotland..

If you are interested in developing this programme within your own congregation please



contact [Mary Lisk](#) on 744818.

Real Nappy Network

The use of “real”(i.e. non disposable) nappies has been becoming more and more a high profile matter outwith Shetland. For a number of years local authorities and Health Boards have been promoting Real Nappy Weeks. Shetland carried out an initial promotion about two years ago and found a level of interest and surprise at the developments in nappy technology since the advent of the old terry triangles.

Recently Shetland Health Board and the Council have joined together to examine and promote the issue within a Shetland context. A Seminar is being held on the 4th November to examine the issue within Shetland.. It is argued that there are cost benefits to parents (a saving of £600 per baby per year); environmental benefits concerning waste minimisation; some possible health benefits from using non disposable nappies. Community benefits have also been identified in forming a support network for mothers.

Should anyone wish to obtain information on real nappies or have any experience of them and wish to pass this on they can contact Penny Cunninghame at Brae Health centre or Mary Lisk as above.

Energy Recovery Plant

The plant has been operating well with no breaches in emission limits. We are currently working on amending the control systems to comply with the new waste incineration directive which will come into force in 2006.

For further information contact [William Spence](#)

Landfill

Work has commenced on the new site at Gremista and is progressing well, concern was raised over two mortar shells found within the peat but these were dealt with safely and no delay was caused to the contract.

The stripping of peat from the site is now complete and work is continuing on cladding the main buildings. Batching plant will be on site shortly for mixing the bentonite and sand, which will form the geological barrier on the base of the site.

For further information contact [Jim Grant](#)

Performance Indicators

1.All waste

<i>Item</i>	<i>2003-2004 Tonnes</i>	<i>2003- 2004 %</i>	<i>2004- 2005 Tonnes To Date</i>	<i>2004- 2005 % To Date</i>	<i>Area Waste Plan Target</i>
Glass	237	0.5	132		1%N/A
Aluminium	3.4	0	<1		0%N/A
Ferrous Metal	987	2.38	341		N/A 2%
Batteries	64.52	0.16	11.48		0%N/A



Paper	<1	0	<1	0%N/A
Fridges	32.74	0.1	26.68	0%
Cooking Oil	2.14	0.01	14.68	0%N/A
Energy Recovery	21618	53	10712	N/A
Landfill	18443	44	9241	45%N/A

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	2003-2004 Tonnes	2003- 2004 %	2004- 2005 Tonnes To Date	2004- 2005 % To Date	Area Waste Plan 2020 Target %
Glass	237	1.84%	131.8	1.87%	4.5
Aluminium	<1	0.01%	<1	0.01%	0.2
Ferrous Metal	315	2.44%	191	2.72%	8
Batteries	64.52	0.50%	11.48	0.16%	0.2
Paper	<1	0.01%	<1	0.01%	0.1
Fridges	32.74	0.25%	26.68	0.38%	0.1
Cooking Oil	2.14	0.02%	14.68	0.21%	0
Energy Recovery	9262	71.84%	4554	64.76%	75
Landfill	2977	23.09%	2101	29.87%	11.4

3. Environmental- Energy Recovery

Item	2002- 2003	2003- 2004	2004- 2005 to date	Authorisation Limit Mg/Nm³
Mega Watts Produced	46409	36382		N/A
Average SO2 concentration in flue gas mg/ Nm³	101.43	90.6	48.5	300

Average NOx concentration in flue gas mg/ Nm³	262	225.9	230.9	300
Average HCl concentration in flue gas mg/ Nm³	0.46	0.48	0.47	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
 Furniture Recycling Store
 Garthspool
 Lerwick
 Tel. 01595 693336
[Vic Thomas](#)

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