

# wastex NEWS UPDATE

The Scottish waste & recycling exhibition and conference

Royal Highland Centre Edinburgh

27 & 28 October 2004

## Profit from less waste

### Edinburgh exhibition to showcase ways to reduce, reuse and recycle waste

Wastex, a two-day trade exhibition and conference at the Royal Highland Centre in Edinburgh in October, aims to help businesses and local authorities reduce the amount of waste they produce and the increasing cost of disposing of it.

Over 150 companies from throughout the UK are expected to exhibit the latest technology and techniques to handle, treat, recycle, reuse and dispose of all types of wastes. These range from municipal solid wastes (MSW) from domestic households to a wide variety of solid, liquid and gaseous wastes arising from business and industry.

Wastex will feature an indoor exhibition in the brand new Highland Exhibition Hall at the Ingliston venue; an Outdoor Demo Arena; a Waste Exchange Centre; a seminar programme and a conference aimed at local authorities, waste management companies and managers from businesses in all sectors of the Scottish economy.

"It doesn't matter what the activity," explained organiser, Don Morrison, "there will be some form

of waste generated, which has to be disposed of in a legal and responsible way. Wastex will be as relevant to a catering company with food waste as it is to a financial institution with redundant IT and electrical equipment; a contractor with demolition waste or a pub with crates of empty glass bottles. "Disposal costs money and this event will show businesses how to reduce waste by better design and production methods and how to dispose of waste more cost-effectively."

The need to reduce, recycle and reuse waste to divert it away from disposal in landfill, and the need to comply with the ever-increasing flow of EU Directives are creating new business opportunities. Wastex will be as much a window on the needs of waste producers as it will a showcase for providers of waste and recycling solutions.

Wastex is organised by Aberdeen-based Don-Mor Productions Ltd in partnership with the City of Edinburgh Council and three major UK publications, Resource, LAWE and Recycling & Waste World.

### Wastex

Royal Highland Centre,  
Ingliston, Edinburgh

27 + 28 October 2004

Indoor Exhibition

Outdoor Demo Arena

Waste Exchange Centre

Seminar Programme

Conference

Organised  
by:

**Don-Mor**  
Productions Ltd

In partnership  
with:

**EDINBURGH**  
THE CITY OF EDINBURGH COUNCIL

**resource**

**LAWE**  
LOCAL AUTHORITY WASTE & ENVIRONMENT

**Recycling**  
WASTE WORLD

### Mobile phone and cartridge recycling



Eurosource is an award-winning market leader in the field of mobile phone and printer cartridge recovery for recycling. This forward-thinking company works in partnership with many national charities, local authorities and large businesses, successfully recycling over 2.5 million printer cartridges and 120,000 mobile phones in 5 years. These exceptional initiatives have resulted in over £1 million being donated to charities since 1999.

### Waste handling equipment from Bollegraaf



Bollegraaf Recycling Machinery is one of the most respected names for machinery/ MRF systems design, quality and performance in the recycling industry. Products include: Balers, 5 to 100t per hour; Conveyors chain, steel, trough and slide-belts; Shredders - 1.5 to 35t per hour; Reel Splitters - for reels up to 3,500mm long/2,750mm diameter; small Sorting Systems to world-class Commingled/Single Stream MRF systems. In addition, Lubo Screening Systems provide solutions for the most diverse screening and recycling needs.

## Software for waste management

Isys supplies software applicable to the full spectrum of operational systems, including landfill, transfer stations, special waste, skip/container operations, recycling centres, waste-to-energy plants, quarries and aggregate, and clinical waste collections. All products are true 32-bit windows applications, modular and flexible configuration, with client server SQL database. Isys' systems are integrated for use with a range of vehicle/cab tag technology and on-board weighing configuration. Isys offers either full project management or works alongside companies' IT departments or project managers, and provides systems which include full billing/invoicing & financial reporting with integrated links to all popular accountancy systems.

## Take the weight on board

PME Northern supplies and fits the full range of PM Onboard Weighing Equipment for everything from axle overload on a Transit-sized van, up to individual wheelie bin weights and/or ID systems for refuse collection.



## Mobile shredding service

OnSite Shredding provides Scotland's leading mobile document and data destruction service.

Over recent years, the need for increased security and environmental protection has grown significantly, requiring everyone to ensure that all materials being disposed of are disposed of properly. OnSite Shredding is employed by all types of customers, from small solicitor and accountancy practices to large organisations such as insurance companies, utilities and banks, to shred faulty products such as CDs as well as documents, all on the customer's own doorstep. One of the company's mobile shredding units will be on show at Wastex.

Freephone 0800 071 4000  
www.onsiteshredding.info



## Call in the Bug Doctor!

Getting the right bacteria is essential in treating your waste. Bio-Systems Corporation Ltd provides specially selected bacteria, combined with micro-nutrients and bio-enhancers for use in Waste water Treatment Plants, Bio-remediation, Food processing, oil spills and other commercial applications such as paper mills and breweries. See the Bug Doctor on Stand D28.

## A helping hand in the war against litter

Bago Hand Tools aim to make the manual handling of litter as efficient as is practical by minimising operator fatigue and frustration. The litter pliers come in three different handle styles to suit individual preferences and in lengths from 50cm mini plier to 7.5 metre sky plier, while the bag holder can make loading a sack seem almost a pleasure.



## Naue has it covered!

Naue Geosynthetics, a leading geosynthetics supplier, manufactures products for construction applications eg filtration, drainage, protection, separation, reinforcement, sealing, and erosion control. Product ranges include GCL Bentofix R, geotextiles Secutex R, HDPE membranes Carbofol R textured, profiled, smooth to 9.4m wide, geocomposite Secudran R, geogrids Secugrid R.

## Get the Wright strippers!



Involved in cable recycling for over 20 years, Wright Engineers manufactures cable stripping machines and sells alligator and hand-held shears for easy operations in the yard. An agent for "Sierra" shear/balers, the company also offers customers car de-pollution systems.

## Balers and shredders on show

Middleton, the UK's leading recycling engineers exhibit for the first time, acting as agents for Presona balers (widely used in logistics depots and recycling plants for most of the supermarkets), Allegheny confidential shredders (model range of up to 15t an hour) and Excel balers (ideal entry baler). Also agents for US Wire Tie strapping systems. The company operates nationwide, offering design, manufacture, installation and service.

Make a note in your diary now:  
Wastex, Edinburgh 27 + 28 October

## Bye, bye, Birdies!

Alarm cries are the proven effective method of removing birds and keeping them away from places they are not welcome. Originally recorded by MAFF for the RAF, the cries are extensively used across the environment and waste industries as well as at airports throughout the world. Wingaway was involved from the inception of the system and has developed a range of units to play the cries in the most effective way for any given situation. Units range from hand-held and operated to vehicle-mounted and fully automatic models. Digital technology has improved ease-of-use and increased the longevity of the machines.

# Textile recycling

Nathans Wastesavers works in conjunction with almost all of the local authorities, supermarkets, businesses and other interested parties throughout Scotland to provide textile recycling facilities and solutions. The company supplies, services and maintains over 500 textile recycling banks and operate over 20 specially designed collection vehicles. The UK's largest textile recycling company, Nathans collects, sorts and processes over 350 tonnes per week.



## Berryman's the name: glass recycling's the game

Berryman's flexible approach to glass recycling allows companies to choose the solution that suits their operation and budget. From bottle banks to kerbside collection, houses to hotels, Berryman has the nationwide coverage and support to provide an unequalled service.

*Berryman's award-winning Glassforever educational programme is available to raise awareness within local communities.*



## Waste segregation starts in the home

However good your waste collection and waste management systems are, successful source segregation of compostable waste starts in the home/workplace. BioBag's user-friendly and hygienic MaxAir system, used by millions daily in Europe, has been proven to collect high quantities and qualities of kitchen waste from happy householders. This unique ventilated bucket lined with "breathable" and compostable biobags allows waste to dry, avoiding smells and cleaning. The reduced moisture content saves waste transport costs and helps composting. The biobags are certified 100% compostable: they will fully biodegrade within 10-45 days in composting conditions.



## Minimising MSW with Green Cone

This food waste digester gets rid of all food waste at source by accepting everything including fish, meat, bones, dairy products, vegetables and fruit. Situated in a sunny part of the garden, the Green Cone reduces the amount of household waste to be collected by up to 20%. Minimising waste at source helps councils to achieve recycling, landfill and waste 'arising' targets.

## Preventing punctures

Specially formulated tyre sealants for waste management and demolition businesses can prevent over 90% of all punctures up to 30mm and stop all rim, bead and other slow air leaks. This Air Seal product is widely used in loading shovels, dump trucks, skid-steers and backhoes as well as roll-on-offs and other waste related equipment. Operational efficiency is improved by reducing costly down-time for idle machines and labour. One treatment costs no more than the full cost of one tyre repair and lasts the legal life of the tyre.



## Recycling asphalt yields massive cost savings

The concept of recycling bituminous materials is based on the fact that bitumen is a thermoplastic, i.e. a material whose state of plasticity is affected by temperature. So to recycle bituminous aggregate, the material simply needs to be reheated in a controlled operation so the bitumen becomes plastic and workable. The aggregate is unchanged. This recycled material is ideal for repairs to footways, class 3 and 4 roads.

The Mineral Recycling Company Ltd's VEB 4000 Asphalt Recycler allows local authority contractors to recycle their bituminous materials and works out at less than 8% of the cost of using new asphalt. It is versatile and can be fitted on a lorry chassis, made demountable or static. Its use makes it feasible for rapid reaction gangs to respond to reported defects on roads and pathways immediately. No curing time is needed and repairs can be made in any weather conditions.



## Help for businesses

The Business Environment Partnership (BEP), a partnership of over 30 public and private sector organisations, provides free and subsidised assistance with environmental management to small and medium sized businesses throughout Scotland. The principal aim is to make the Scottish economy more competitive by allowing companies to realise cost savings, reduced risks, and an improved competitive advantage.

## Waste collection and disposal from Eden

Eden Waste Recycling Limited (Eden) represents a new era for sustainable waste management. With a focus on innovation, strong supply chains and sustainable treatment practices, Eden was formed with a mandate of assisting local authorities, industry, and commerce to achieve and surpass their legislative and regulatory commitments. Eden operates clean and dirty MRFs, landfill and a comprehensive range of collection services across Scotland.

## IWMG gets rid of difficult wastes

IWMG provides collection, CFC removal and complete destruction of fridges and freezers, with an over 90% recycling rate. Also recycled are Waste Electrical and Electronic Equipment, Metals, End-of-Life Vehicle, and the company is involved in hazardous waste disposal and asbestos removal.



**RECYCLING REVISITED**

# Recycling Revisited

Salvation Army Trading Co Ltd (SATCoL), the UK market leader in textile collection and processing, will demonstrate its unique web-based data capture and statistical analysis system. This system provides readily available, rapid response reports of the quantities of clothes collected from Clothing Banks, Door-to-Door Bag drops and Multi-recyclate (paper, glass, cans, textiles) pickups, which Local Authorities need to help achieve recycling targets. The database links two innovative systems: hand-held terminals, operated by each collector, and the office-based computer programmes, which process the information rapidly and accurately. The data is automatically published in a "friendly" format to a secure web site within 48 hours.

## Revolutionary thermal treatment for wastes



The RCR Thermsave Process has been developed to treat, reduce, sanitise and recycle waste in a cost-efficient manner without causing heavy metal emission to the atmosphere or release to ground or water.

The patented process uses steam thermally to treat unsorted municipal, light industrial, commercial and agricultural wastes that can also include sewage cake, sludge and screenings to produce a cellulose-based fibre from which recycled ferrous and non-ferrous metals, plastics, glass and batteries can be mechanically extracted.

The process size-reduces raw waste by up to 85% of its original volume, while sanitising and delabelling all recyclable commodities and at the same time breaking down cellulose-based materials into homogenous fibres.

Glass, plastics, aggregates and textiles can be salvaged for re-use, while the sterile fibre can be converted into valuable, inert refuse derived fuel (RDF). The system is self-perpetuating as the fuel can be then used to drive waste heat boilers, thus creating all the necessary process steam, together with a significant surplus, which can be fed through steam turbines, to generate electricity.

## Pelletising brings benefits to waste handling

UMT, one of the world's leading manufacturers of pelleting equipment, is once again exhibiting at Wastex. Many co-and by-products and other recyclable materials, such as household waste, wood, paper, plastics and sewage sludge, can be pelleted. Densification of the product into pellets generates significant savings in transport, storage and handling costs. Further savings can accrue through the reduction of potentially hazardous incidences - for example, dust arising when the product is moved. The pellets are also potential fuel/renewable energy sources as is evidenced by the widespread use of wood pellets in Scandinavia and household waste and plastic pellets in Germany and Holland.

UMT's range of pelleting presses are suitable for pelleting a wide variety of materials with throughputs from 500kg to 10 tons per hour.

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Name: ..... Job title: .....

Name of organisation: .....

Address: .....

.....

Postcode: .....

Tel: ..... Email: .....

Main type of waste materials produced by your organisation (*ie paper, oils, solvents, glass, food, etc*)

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Please FAX this to 01224 210126 or post to Don-Mor Productions Ltd, 69 Dee Street, Aberdeen AB11 6EE