



wastelines

spring 2011

waste management and recycling news from

GRUNDON

Official opening of Energy from Waste facility



Welcome to wastelines



On behalf of the Grundon group of companies, a very warm welcome to our latest newsletter. We are acutely aware that the last couple of years have seen

very difficult trading conditions for the majority of our customers. The depressed UK economy has impacted on our business also, but throughout this period we have continued to invest in new & improved facilities to further enhance our service to you. In all likelihood you originally signed up with Grundon for one service in particular, however we provide many of our customers with a total waste management and recycling solution. Throughout this newsletter you will see evidence of the wide range of additional services we can offer. Limiting the number of your suppliers gives economies of scale and remains a key way of reducing the administrative burden. Please don't hesitate to contact our staff for more details of any of the articles that interest you.

Richard Skehens, *Managing Director*

On Wednesday 27th October 2010 Grundon's Energy from Waste (EfW) Facility at Colnbrook was officially opened by HRH The Duke of Edinburgh. His first stop was the purpose-built Education Centre where he was greeted by the Lord Lieutenant of Berkshire and the Mayor of Slough. Following a tour of the facility he was introduced to the teams responsible for its design, planning and delivery.

The Duke was then invited to perform the opening ceremony, with many a crossed finger that the presentation curtains would open without mishap! Chairman Norman Grundon thanked the Duke and invited him to become the first to sign the Visitors Book.

Lakeside EfW diverts over 410,000 tonnes of non-recyclable waste from landfill each year, and in so doing generates 34MW of electricity for export to the National Grid.

This is enough to supply the domestic needs of 50,000 homes, equivalent to a town the size of Slough. When used in conjunction with Grundon's mixed recyclables service this enables our customers to divert over 95% of their waste from landfill. With landfill tax projected to reach £80/tonne by 2014, considerable cost savings could be made by making use of this new service. Please contact us for more details.



HRH The Duke of Edinburgh inspecting the new EfW Plant

INSIDE THIS ISSUE

INTRODUCING BENSON | FOOD WASTE | NEW MRF | DATA SECURITY | ROYAL WARRANT | UPDATES

for more information please email us at newsletter@grundon.com or call 01753 764959

New head office

The Grundon Group has outgrown its Ewelme head office and completed the move to nearby Benson in November. To mark the event Thames House, our new Head Office Building, was officially opened by Councillor Felix Bloomfield the Vice Chairman of South Oxfordshire District Council.

Grundon has long been a major employer in & around Wallingford. With the opening of Thames House the company has a head office complex fit for the 21st century,



offering an inspiring work environment for existing and new employees, and able to accommodate the company's planned growth for the foreseeable future.

Answers to some frequently asked questions:

- *Do you offer a Direct Debit facility?* Yes we do
- *Can you accept payment via Debit and Credit card?* Yes we can.
- *Who should I contact if I have an invoice query?* Please e-mail invoicing@grundon.com
- *Who should I contact with any other accounts query?* Please e-mail accounts@grundon.com
- *What are your company registration and VAT numbers?* The answers to these and many other questions can be found in our Customer Information Booklet, which can be downloaded from the 'Downloads' page of our web site, www.grundon.com



By Appointment to
Her Majesty The Queen
Waste Management
Grundon Waste Management Ltd
Colnbrook

Grundon receives Royal Warrant for services to HM The Queen

Customers may have noticed the Royal coat of arms appearing on our vehicles and in our literature. In January 2009 Grundon Waste Management was granted the Royal Warrant of Appointment by Her Majesty The Queen in the category of Waste Management, becoming only the second waste company to achieve this accolade. Richard Skehens, Managing Director of Grundon Waste Management said:

"We are proud and delighted to have been granted this coveted award. As a family-owned business, provision of a consistent and high quality service has always been of paramount importance to us. The Royal Warrant is widely regarded as a mark of excellence and we can think of no better testament to our service".

Offensive waste

Grundons' clinical waste team continually monitor the regulatory background for changes and emerging trends in healthcare waste. The latest development has seen the emergence of a new category - Offensive Waste. Although offensive waste is non-infectious, it is nonetheless considered unpleasant and may cause distress to those coming into contact with it.

This new waste stream will be of particular relevance to nursing and care homes and Grundon is pleased to announce a new collection and treatment service. We are able to offer an alternative to landfill using our specialist treatment facilities, which helps to reduce cost to customers as there is no landfill tax payable.

The clinical division is also able to collect and treat healthcare waste, for example sharps bins, arising from organisations' medical rooms. For more information please contact us on the number shown below.

Keeping your business data secure

Almost 100,000 UK businesses have fallen victim to corporate identity theft costing an average of £13,500 each. 79% of businesses sampled in a survey failed to make adequate security provisions for their waste

Identity theft is the fastest growing crime in the UK. In order to minimize risk to their business, organisations everywhere are employing secure disposal as a critical part of their document-management efforts.

For highly confidential paper or computer data, including electronic media, Grundon offers a confidential on-site service using purpose built vehicles operated by security-vetted, trained and uniformed personnel. All materials are shredded while the vehicle is on your premises and can be witnessed by a member of your staff. Once shredded, all paper material is baled and sent to UK paper mills for recycling. For every one tonne of paper recycled, 24 trees and 24,000 gallons of water are saved.

Grundon provides two other secure disposal services for organisations that need to ensure certain products do not enter the market place. For example, products such as out of date pharmaceutical preparations can be collected by CRB checked drivers and taken to our high temperature incineration plant at Colnbrook. Faulty electrical goods that would pose a health & safety risk if allowed onto the market can be disposed of via deep burial at a landfill site. A formal certificate of destruction is provided in each case. For more details call our marketing team on 01753 764959.



'Morphing the Murf'!

Readers may be familiar with the computer graphics technique of 'morphing', in which one image is gradually transformed into another without individual changes being noticeable in the process. Grundon employees at Colnbrook have witnessed a similar transformation of the Materials Recovery Facility (MRF, pronounced 'Murf').

When our Colnbrook MRF was seriously damaged by fire in 2009, 'sustainability' in terms of customer contracts was our first priority. The recently completed £7 million rebuild has delivered an entirely new MRF within the original, substantially refurbished building.

Every opportunity has been taken to incorporate new, energy-efficient technologies. For example, inverters were specified to even out the fluctuations in load and reduce overall electricity consumption. Modern fluorescent lighting replaces the old 'high bay' type, improving light levels whilst reducing energy consumption, and PIR sensors ensure that lights remain on only when personnel are present.

The new MRF continues to process mixed recyclables - including glass bottles and jars - but at higher speeds of up to 25 tonnes per



hour. The plant will have the capacity to sort over 150,000 tonnes of materials per year for subsequent recycling.

Responding to customer demands to recycle an ever-wider range of materials, the new plant has switched to the latest 'Redwave' infra red optical sorting technology. Each Redwave can be calibrated to extract any one of a wide range of materials - plastics, glass, paper or cardboard, or to separate mixed plastics into the various polymer types. The technology is particularly well suited to the extraction of difficult to handle materials such as Tetrapak cartons and plastic film.

Neil Grundon, Development Director says: "Losing its largest MRF in the space of a few hours would have been catastrophic for many waste companies. However, our strategy of owning a network of interlocking facilities meant we were able to spread the load across our other MRFs with minimum disruption to our customers.

We have rebuilt according to another well-established Grundon strategy - investing in the most modern, proven technology available. The new MRF will offer our customers the most flexible and responsive service for mixed recyclables in the UK".

Food waste collection

In the accelerating drive to reduce greenhouse gas emissions it seems increasingly likely that 'bio waste', including food waste, will be banned from UK landfill sites in the near future. By segregating food from general waste, substantial tonnages could be diverted from landfill, significantly reducing the volume of greenhouse gases (Methane and CO₂) released to atmosphere and contributing to climate change. The UK produces over 12 million tonnes of food waste per year and capturing the biogas from one tonne of food waste saves between 0.5 and 1 tonne of CO₂ equivalent.

At Grundon we are continuing to investigate various methods of collection

and disposal. Currently the food waste collection service is only available from our Ewelme (Wallingford) depot, but in time we expect to extend it to cover our remaining depots. Waste collected via this service is taken to a fully licensed Anaerobic Digestion (AD) plant, where naturally-occurring micro organisms break the food down into valuable compost used for agricultural and horticultural purposes. The process also produces Biogas, which is used to fuel a Combined Heat and Power (CHP) plant for the production of heat and electricity.

If you would like to be kept informed of developments in food waste collection, please contact us to register your interest.



Did you know...?

- Landfill Tax is scheduled to increase by £8/tonne each year, reaching £80/tonne in April 2014. Government has also confirmed that it will not fall below this level in the future
- 70% less energy is required to recycle paper when compared to making it from raw materials
- Every steel can is 100% recyclable and can be recycled over and over again
- Up to 30% of the average household's waste can be turned into valuable compost for their garden
- DEFRA is actively considering revisions to the Waste Framework Directive, focusing on measures to limit the amount of bio-waste produced (particularly food), and on backing for treatment technologies that will transform bio-waste into a combination of energy and recyclable materials.



Grundon customers win on aggregate...

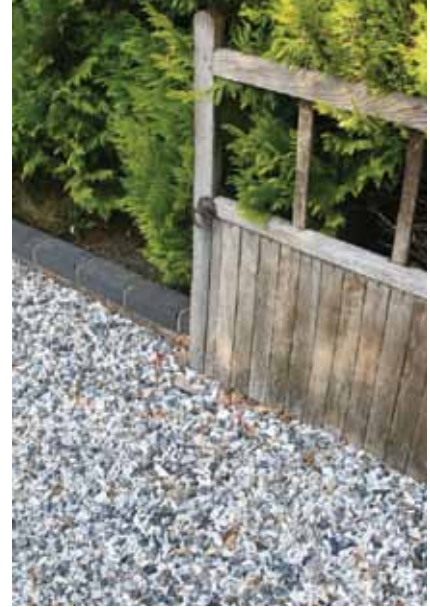
Our aggregates quarrying and sales operation recently changed its name from S.Grundon (Ewelme) Ltd to Grundon Sand & Gravel Limited, reflecting the nature of its present day activities.

S.Grundon (Ewelme) Ltd was originally formed in 1947. In the sixties the need to find a use for worked-out quarries coincided with an upsurge in demand for landfill sites to accommodate burgeoning volumes of municipal waste – a happy coincidence, and the principal reason for Grundon’s move into the waste management business.

Nowadays Grundon Sand & Gravel operates from quarries throughout the

south of England, supplying a wide range of sands, cobbles, gravels, shingles, soils and decorative stone for the construction, landscaping, leisure and play sectors. The company is unique in that it welcomes cash sales to domestic and casual callers at any of its quarries, where customers can collect products in small quantities.

If your business premises include large areas of pedestrian walkway, roadway and/or car parking, you might like to know that we also supply bagged grit sand to provide added grip and traction during freezing weather. For more information please call our Sand & Gravel team on 01491 834311.



In the pipeline

- Grundon has submitted a Scoping Document to West Berkshire Council for a proposed new Energy from Waste facility at Old Kiln Quarry, east of Chieveley Services. This is the first stage of a comprehensive process that will lead to the submission of a full planning application
- Grundon recently tested an exciting new fuel technology in a cross section of our waste collection vehicle fleet. The HRN3 Hydrogen Generator from h2gogo produces hydrogen on demand to allow a more efficient burn within vehicle engines, reducing emissions while improving engine efficiency and power output. Results of the trial were eagerly awaited as we went to press!



ISO update

According to IMS Manager Nicola Currant: “Currently Grundon has three locations with BSI certification to ISO14001, Environmental Management. These are the Clinical Waste Incinerator (CWI) at Colnbrook, the Hazardous Waste Transfer Station at Ewelme, and the waste operations at our Bishops Cleeve site, near Cheltenham.

In addition, the Materials Recovery Facility (MRF) at Mole Valley (Leatherhead) and all of our clinical waste treatment operations at Knowl Hill near Maidenhead are operating to the requirements of ISO14001 but have not yet been added to the certificate.

We are pleased to announce that, subject to successful completion of scheduled BSI audits, the Colnbrook CWI will hold certification to ISO14001, ISO 9001 (Quality) and OHSAS18001 (Health & Safety) by the end of July 2011, with Ewelme and Bishops Cleeve following suit in November 2011.

By July 2012 all functions within the Grundon business will be included in the certification, and Grundon Waste Management will hold certification for an Integrated Management System to PAS 99, as well as the three standards mentioned above.

