

In This Issue

OFFERS!!!

ZERO WASTE PLAN

BARRIERS & SOLUTIONS

LETS NOT FORGET.....

YOU STILL HAVE TIME!



We have had a good response to our latest offer for the Wii. We are processing those entries that have come in.. As there is still time to submit your entry we have uploaded a copy of the entry form on to this newsletter.

Any queries on this do not hesitate to contact us.

Click here to get your....

[Wii Entry Form](#)

Sponsoring & Racing



The racing season is over for 2010 - for any fixes till next

Welcome.. coming to the end of another year and still the debate on waste goes on

This issue we have been looking at the various challenges that are affecting the way we deal with waste in the UK, but specifically the Scottish Zero Waste Plan. Following a seminar of the Scottish Waste and Resources Conference last month, it is clear that whilst the objectives are very strong and the technology and skills are definitely available, there does not appear to be such a clear target of where this is all going.

Our business is responsible for maintenance and servicing infrastructure from many different processes. Maintaining Landfill sites as a waste solution was a main one, as now is maintaining pipework and CHP furnaces etc that now are beginning to deal with the waste that once went to Landfill. Therefore we are very well placed across the provision of waste streams and treatment process to identify potential 'bottlenecks' or operating issues.

Hoep you enjoy a summary of what we have encountered.

ZERO WASTE PLAN...



For those of you who maybe aren't aware the ZWP has been adopted by Scotland as the targets that they aim to achieve with regards to waste policy. It has very

*ambitious targets not least of which is **recycling 70% of all Scotland's waste,***

and only 5% of remaining waste ending up in landfill by 2025.

Ambitious maybe- although parts of Australia and the USA are already achieving 70-80% recycling on their products albeit different legislations exist namely ones to do with composting of food waste.

*However, where non-PAS 100/110 material is produced and used under registered exemption it is **unlikely** that the **material will be classified as recycling in future.** This is due to the material still being classified as a waste. This represents a change in approach informed from recent ECJ judgements and ongoing discussion at the UK and EU level concerning the waste hierarchy and what the revised Waste Framework Directive is*

year...

Visit Lumley Engineering

A big Well Done goes out to Karl & Wendy Pring on finishing 7th in the Formula 2 Sidecar Championship at North Gloucester Racing on their first ever season on a sidecar or actually on a race circuit!

All credit to Lumley Engineering for building reliable bikes!
Scottish circuits are next on the Agenda for 2011!
We will keep everyone informed of dates for both North Gloucester meetings and any other we may be attending!
All the best for 2011

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trying to achieve.

Prevention & minimisation are obviously better all round as recycling still requires building, in most cases, plants to deal with the recycling. There are also issues with the carbon footprint that this creates as well as any useful financial or environmental benefit of the recycled product.

Developing a system that truly reflects the environmental value or impact of recycling is challenging, as many variables need to be considered. With the principles above in mind, ***the Scottish Government is developing a resource displacement carbon metric.*** Basically, even if we recycle we may be actually creating an additional tonne of greenhouse gases but reuse, prevention or minimisation would be less or neutral. For example, a tonne of aluminium collected from the waste stream in Scotland will displace the need for primary production of aluminium in another part of the world.

The ZWP may have many flaws and legislation may need to be altered and targets should be sustainable and carbon neutral where possible - BUT - it is a plan.

Although new technologies and process should not leave existing ones high and dry!



BARRIERS & SOLUTIONS

The barriers, particularly in Scotland is demographic and geographic. A suggestion is that the Single Approach looks at Inner City, Urban

and Rural options; which in my opinion would be the right way to go, otherwise too many compromises will be made. Most of the speakers at the SWRC had clear plans of their favoured technology and how they would achieve this- the difficulty being they don't all collect, sort, treat and market the end product. So assumptions have to be made- which when there is no guaranteed funding or contracts in place make the developments more risky in today's commercial climate.

We have maintained on a number of occasions furnaces and

pipelines responsible for the processing of waste material. We also collect a large quantity of commercial and industrial sludges and liquids which are more difficult to manage/ dispose off. Solutions tend to be driven commercially and a number of operators who compost are looking at alternative materials to add to this that will not affect the grading of their end product.

SEPA are open to discussions with industry over the classification of ' wastes' in order that new treatment can take account of movement and shipment of material without impeding the new challenges with disposal of waste.

Now is the time to be openly discussing with your clients, suppliers, producers and even competitors -who we all deal with -to show that the UK still has talent and skills worth shouting about to resolve these challenges!

LETS NOT FORGET.....



Two areas that immediately come to mind that will leave negative environmental impacts and reduce other targets, albeit temporarily are: the long term effect abandoning landfills will create & renewable

energy targets.

Detailed analysis of gas flows and quality is being assessed by a number of our customers and hopefully we will be in a position to share some of this with you over the course of the next couple of months. Changing constituents in waste material does change flow and quality in the gas and leachate produced as well as the rate of degradation. Less revenue also prevents operators always being able to optimise the degradation process and may result in stagnant or less manageable side effects. Already a number of operators have seen significant increases in the presence of Hydrogen Sulphide perhaps a side effect in the amount of metal that is taken to landfills as this ' assisted in neutralising' the production of this gas. This has far reaching consequences for both personnel and extraction issues. Confined spaces qualifications would be required to work within these areas- and we have seen an increase in the number of projects we have been requested to attend to simply because of this.

Secondly landfill gas renewable energy is the second largest after wind farms, source of renewable energy in the UK. Whilst this may only be temporary the new MBT, AD, Gassification plants etc will have some renewable options but feed stock, quality and geographic location will determine the commercial suitability of this- and lets face it the installation of all of these structures whilst for the good of the environment - will still have to make the operators money!

As always if you require any information on how we can advise on a project you may have ... do not hesitate to get in touch. You may well be

surprised at the range and type of works that we do!

We cover the length and breadth of the UK and generally get their regardless of the weather!

Wishing you all the best over the Festive Season and a Happy & Prosperous 2011.

The KCP Team

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