



Biorenewable Fuel and Fertiliser: Realising the Potential

Wednesday 24 March 2010

Fera, York, UK

Organised by SCI's Science & Enterprise Group,
Environment Group, Yorkshire & the Humber Group,
Fera, and CIWEM Tyne & Humber Branch



Programme	09.30	Registration and refreshments
	10.15	Welcome and introduction Tony Harrington, Fera
	10.30	Biorenewable fuel and fertiliser – can there be a level, science-based regulatory playing field? Tim Evans, Tim Evans Environment
	10.50	Inputs, technology and biomethane utilisation: an overview Geraint Evans, NNFCC (National Non-Food Crops Centre)
	11.10	Environmental law issues: the regulatory environment Teresa Hitchcock, DLA Piper
	11.30	Refreshment break and posters
	11.55	Constraints on use of biosolids in agriculture Aarun Naik, NFU
	12.15	The use and extension of existing assets Mark Worsfold, OFWAT
	12.35	Panel discussion
	13.00	Lunch and posters
	13.55	Overview of session objectives Gerard Morris, Environment Agency
	14.00	Does the science address the risks? Stephen Smith, Imperial College
	14.20	Waste to product via sludge phytoconditioning - Yorkshire Water's experience Jim Byrom, Yorkshire Water
	14.40	The potential for, and benefits and complexity of co-digesting waste with sewage sludge William Barber, United Utilities
	15.00	Why recycle nutrients, especially phosphate? Chris Dawson, Chris Dawson and Associates
	15.20	Refreshment break and poster prize
	15.50	Business opportunities for anaerobic digestion (AD) Rob Heap, UTS Biogas
	16.10	Panel discussion
	16.45	Wine mixer and networking

Synopsis

This joint SCI/Fera event is focused on business opportunities around AD. The morning session will open with an overview of the regulatory playing field; inputs, technology and biomethane utilisation; environmental law issues; constraints on the use of biosolids; and the use of existing assets. The afternoon session will open with a review of the risks, then an overview of the sewage sludge phytoconditioning process, followed by opportunities for business, including co-digestion of waste with sewage sludge, the case for recycling plant nutrients, and biogas generation. Two panel discussion sessions will provide time to explore issues raised in the presentations.

Biogas and biosolids from anaerobic digestion (AD) are very topical in view of the Food Waste and Energy imperatives, which will lead to a large increase in AD capacity over the next five years. AD provides a viable solution for Food and Farm Waste, which will not be allowed in landfill after 2015. Biogas from AD is expected to become a significant contributor of renewable heat and power. The water industry is already well along the learning curve, as it now treats about half of all sewage by AD, yet despite this long experience, there are still concerns around use of biosolids (digestate) as fertiliser.

The event will be of interest to anyone who is involved in the management or treatment of food and farm waste or sewage; or the operation of AD units; or; the use of biogas and biosolids, as well as those working on optimisation of AD processes, biogas yield, and utilisation of biogas and biosolids.

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Posters

Poster applications are invited. These should be based on the theme of "Improvements in AD processing and biogas yield and utilisation". There will be a prize of £250 for the poster judged to demonstrate best commercial potential. Applicants should submit an abstract of maximum 250 words by **19 February 2010** to conferences@soci.org with the title "Biorenewable fuel and fertiliser poster abstract".

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24 March 2010 @ The Lakeside Conference Centre, Fera, York, UK

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