

Envirolink Anaerobic Digestion: The Potential in Scotland

DAY 1

Date

Tuesday 20 March 2012

Time

09:00 - 18:00

Venue

Perth Racecourse
Scone Palace Park
Perth
PH2 6BB

Price

Envirolink member - £55

Standard - £65

**Sponsorship
and exhibition
opportunities
available.**

**Enquiries@envirolink.
co.uk**

Core sponsor

Anaerobic digestion (AD) is an established technology with a bright future. It is a technology that offers a wide range of benefits to a wide range of organisations. It can be developed as a waste disposal option or as a source of renewable energy and it is flexible enough to be tailored to almost every individual requirement, large or small.

The government is backing the technology and set out a vision for AD development in the UK in its recent AD Strategy and Action Plan.

This event will explore the opportunities available to a range of organisations in Scotland, including private businesses, farmers, developers and supply chain.

Who should attend:

Local authorities
AD technology suppliers
Supply chain companies
Food and drink producers
Waste management companies
Agricultural and horticultural sector
Distillers
Farmers
Energy and waste consultants.

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To register for this event please [click here](#)

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T +44 (0)1925 813 200

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Morning session

A series of presentations providing an overview of the opportunities for development of AD in Scotland.

09:00 - 09:30	Registration and refreshments
09:30 - 09:40	Introduction Fiona Ross, Semple Fraser
09:40 - 10:05	Keynote speech: The role of AD in meeting the zero waste plan vision Louise McGregor, Zero Waste Scotland
10:05 - 10:30	The Government's AD strategy: Unpicking what the commitment means to you Daniel Borisewitz, Scottish Renewables
10:30 - 10:55	Expanding the AD sector in Scotland: Expanding the opportunities and sharing best practice Lucy Hopwood, NNFC
10:55 - 11:25	Refreshment break
11:25 - 11:50	Case study 1: Opportunities for the food and drink sector Richard Gueterbock, Clearfleau
11:50 - 12:15	Case study 2: Opportunities for the distilling sector Alistair Murphy, The North British Distillery Company
12:15 - 12:40	Case study 3: Opportunities for the farming sector Alan Hogarth, Sorbie Farm Dairies

Afternoon session

Two workshops aimed at exploring specific topics in more depth to be run concurrently.

13:45 - 14:30	Workshop 1: Considerations before choosing AD - getting the right feedstock Les Gornall, Projen
13:45 - 14:30	Workshop 2: Planning and preparing for an AD facility Sarah Baillie, Semple Fraser LLP
14:30 - 14:50	Optimising your AD facility Dan Gates, Natural Power
14:50 - 15:10	Biogas co-generation and gas engine maintenance Mark Moreton, Clarke Energy
15:10 - 15:30	Funding renewable energy Jan Love, Barclays Corporate
15:30 - 16:00	Panel Discussion and questions
16:00 - 18:00	Drinks reception and networking

DAY 2 - Wednesday 21 March 2012

Site visit 1 – Sorbie Farm Dairies

Location: Sorbie Farm, Ardrossan, Ayrshire KA22 7NP

Time: 10:00 - 12:00

The Hogarth family have been milking cows for over three generations. The 250 cow mainly grassland unit is now managed by the young family of Alan and Lorraine.

An AD plant was originally installed as part of a bathing water quality initiative. The airtight bio-digester converts the slurry into biogas. The Hogarths are now investing in a combined heat and power (CHP) generator to harness this biogas to create renewable electricity and heat. The electricity will supply the farm, milk processing and power electric milk floats. The hot water and steam already clean the dairy and wash the traditional glass milk bottles.

The system will provide nearly 100 % of energy requirements (equivalent to clean renewable energy for around 40 small family homes).

Site visit 2 – The North British Distillery Company

Location: 9 Wheatfield Road, Edinburgh EH112PX

Time: 10:00 - 12:00

The North British Distillery Company (NBD) is one of the largest Scotch Grain Whisky producers in Scotland. The Gorgie grain distillery is a joint venture between The Edrington Group and Diageo and supplies to some of the most famous spirit brands including The Famous Grouse and J&B.

The site visit will take the form of a short presentation, followed by a tour of the distillery and the AD / water treatment plant.

NBD have completed the construction of the first phase of a three phase project which introduces high rate AD technology. The anaerobic digester converts evaporator condensate from the distillers' dark grains process, grey water and spent wash centrate into biogas.

Stage two will see the expansion of the new AD plant and the installation of a new water treatment plant to process effluent from the digester. The final stage will involve the installation of a gas engine derived CHP plant to produce electricity from the biogas.

If you are interested in attending either of these site visits, please email: events@envirolink.co.uk with your preferred choice.