Thermal Treatment of Municipal Waste

Monday 17 - Tuesday 18 September 2018

10% discount for Local Authorities and Environment Agency

EARLY REGISTRATION IS RECOMMENDED

2016 AND 2017 COURSES WERE FULLY BOOKED
Background to the course

Millions of tonnes of municipal solid waste (MSW) is produced in the United Kingdom each year. Recent statistics show that there has been a growth in the amount of recycling of MSW and an increasing trend for the option of waste incineration with energy recovery, but there is also a significant amount of MSW disposal to landfill.

Incineration together with energy recovery via electricity generation, district heating or combined heat & power, represents an efficient, economic and environmentally attractive waste disposal option.

In addition, modern thermal treatment process plants with effective gas clean-up can reduce the emissions of acid gases, heavy metals and dioxins and furans to levels well below the legislated emission limits.

There is also continued interest in the advanced thermal treatment technologies of pyrolysis and gasification of MSW, since they offer the flexibility to produce a range of valuable end-products including high quality syngas and liquid fuels.

Course Objectives

This course is specifically designed to provide an introduction for all those considering the thermal treatment option for the disposal of municipal solid waste and gives a detailed coverage of the various thermal treatment processes and associated issues.

Intended Audience

This course is designed for waste disposal engineers, companies and local authorities who are either considering, or who are already involved in the thermal treatment option for treatment of municipal solid waste.

What our previous delegates say:

“Essential course for a rounded introduction to the key topics involving EFW”
Natural Power

“Very useful. It covers a wide range of topics all related to each other that gives you a great idea of the EFW whole picture”
FCC Environment

“Great information source”
East Riding of Yorkshire Council

“Excellent course and very relevant and informative”
Engie UK

Course Director
Professor Paul Williams, School of Chemical and Process Engineering, University of Leeds

Course Accreditation

The Leeds course in Thermal Treatment of Municipal Waste is Endorsed by the Chartered Institution of Wastes Management.

The Energy Institute has approved the University of Leeds – Faculty of Engineering as an Approved Training Provider.

View the full programme online at www.engineering.leeds.ac.uk/short-courses/
Monday 17 September 2018
08.30 Registration and coffee

09.00 Introduction
Professor Paul Williams,
University of Leeds

09.45 Emissions from incinerators
Professor Paul Williams,
University of Leeds

10.45 Regulation of incineration plants under
Environmental Permitting Regulations
Ben Freeman,
Environment Agency

11.30 Flue gas emissions control
John Wade,
MVV Environment Limited

12.30 Lunch

13.30 Sampling and analysis of emissions
Dr Brian Moyle,
Servomex Group Ltd

14.15 Operational aspects of incineration
Neil Brothers,
Veolia

16.30 CFD modelling of incinerators,
gasifiers and pyrolysis
Gerard Carroll,
Ace Furnace Consulting Ltd

17.15 End of day one

19.00 Course Dinner

Tuesday 18 September 2018
08.30 Coffee

08.45 Health effects of waste incineration
Dr Stephen Burnley,
Department of Engineering and Innovation,
The Open University

09.30 Pyrolysis and gasification of MSW
Dr Kevin Whiting,
WSP

10.45 Energy recovery
Dr Kevin Whiting,
WSP

11.45 Opportunities for bottom ash recycling
David York,
Ballast Phoenix Ltd

12.30 Lunch

13.30 Stakeholder and community consultation
for energy from waste
John Twitchen,
env23

14.15 The option of solid recovered
fuel/refuse derived fuel (SRF/RDF)
Stuart Hayward-Higham,
SUEZ Recycling and Recovery UK

15.00 Tea

15.15 Thermal Technologies
– procurement, markets and deliverability
Brian Mayne,
Ricardo Energy & Environment

16.00 Economic and commercial issues
in waste management
Dr Egan Archer, Equitix

16.45 End of course
Further details

Venue
The venue for the course will be Weetwood Hall Conference Centre and Hotel which offers first-class hotel facilities, a business centre and ample parking facilities.

Weetwood Hall is ideally situated 15 minutes north of the centre of Leeds in wooded grounds at the junction of the Otley Road and the outer ring road. It is just 15 minutes from Leeds Bradford International Airport and a short distance from the A1, M1, M606, M621 and M62 motorways.

Further details can be found at www.weetwood.co.uk

Course fees
The following course fees include the cost of tuition, course materials, lunches and light refreshments for the days of attendance: £725 – Monday 17 – Tuesday 18 September 2018. A 10% discount is available for Local authorities and the Environment Agency.

Accommodation
Bed and breakfast accommodation is available at the course venue, Weetwood Hall Conference Centre and Hotel.

We have negotiated the following special rates per night:

- Friday – Sunday evening, bed and breakfast £83
- Monday – Monday evening, bed and breakfast £87

To take advantage of these special rates please book by contacting the hotel direct on 0113 230 6000 (Stevie Standerline), E: stevie.standerline@weetwood.co.uk Please quote “University of Leeds CPD Unit” and the course name when contacting Weetwood Hall to book accommodation.

Please note that accommodation bookings must be made two weeks before the course commences at the latest to qualify for the special rates and to guarantee room availability. Any accommodation requests after this date will be subject to availability and rates.

A list of alternative hotels is available on request. Delegates are responsible for their own evening meals except on Monday 17 September when the course dinner is included.

Course dinner
The course dinner will be held at a Leeds city centre restaurant and is included in the course fee. This will take place on Monday evening and transport from and to Weetwood Hall is provided. The dress code is smart casual. If you would like to attend please indicate when booking.

Accessibility
Please let us know if you have any specific requirements including any access or dietary requirements in relation to this course.

How to book
Booking for this course should be completed through our secure online store. To complete your booking please follow the instructions below:
1. Log on to our online store at: https://store.leeds.ac.uk/
2. Select Conferences and Events in the left-hand navigation bar.
3. Select CPD Faculty of Engineering.
4. Select the course or event for which you wish to register and click on “Book”.
5. If you are a new user, please follow the instructions to register. If you already have an account log in as instructed.
6. Complete the application process as directed by the booking system.

You will receive an automatic confirmation email within 24 hours of your booking.

For online booking queries and for all other enquiries please contact:

Sarah McLaughlin
CPD, Conference & Events Coordinator
CPD, Conference & Events Unit
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University of Leeds
Leeds LS2 9JT
T: +44 (0)113 343 2494
E: cpd@engineering.leeds.ac.uk
W: www.engineering.leeds.ac.uk/short-courses
@LeedsuniCPD

Terms and conditions for booking
Payment in full should accompany your booking. The course fee is exempt from VAT. Fees must be paid in full no later than 15 working days before the course commences. Failure to pay may result in attendance being refused. Registrations are accepted on the understanding that the printed programme is given in good faith but may have to be re-scheduled or the speakers changed for reasons outside our control. The University of Leeds reserves the right to cancel or postpone the course, in which case fees will be refunded in full. In the event of cancellation, the University will not be held liable for delegates travel or accommodation expenses. Delegates will receive a full refund for cancellations made within 7 days of online booking, except where the booking has been made for an event commencing within the next 7 days. Where a delegate wishes to cancel a registration after this 7 day period, written cancellations received up to 15 working days before the course will be subject to an administrative charge of 20% of the total remittance. After this date the full fee is chargeable and no refunds will be made. This also applies for non-attendance but copies of the course documents will be sent. Substitutions may be made at any time. If you are unable to complete your registration using the online booking system please contact the CPD, Conference & Events Unit to discuss alternative arrangements. The CPD Unit takes your privacy seriously and we will only use your information to provide information on our CPD courses and relevant engineering events. We will not pass your details to any other organisations. If you have opted in to receive details of future CPD courses from us you can unsubscribe at any time by emailing us at cpd@engineering.leeds.ac.uk.