Thermal Treatment of Municipal Waste

Monday 16 – Tuesday 17 September 2019

10% discount for Local Authorities and Environment Agency

100% of 2018 delegates said the course met their aims and that they would recommend the course to colleagues.
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.

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.

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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:
"Really useful course to provide a well covered and detailed insight to energy from waste."
FCC Environment
"Good grounding of the issues affecting EfW industry."
Ballast Phoenix Ltd
"Highly informative by industry leaders."
MVV
"An excellent course, engaging speakers and useful content."
Environment Agency

Monday 16 September 2019
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
10.30 Coffee
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
Speaker to be confirmed
15.15 Tea
15.30 Large scale MSW treatment technologies
Dr Kevin Whiting, WSP
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 17 September 2019
08.30 Coffee
08.45 Health effects of waste incineration
Dr Stephen Burnley, School of Engineering and Innovation, The Open University
09.30 Pyrolysis and gasification of MSW
Dr Kevin Whiting, WSP
10.30 Coffee
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

View the full programme online at www.engineering.leeds.ac.uk/short-courses
**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](http://www.weetwood.co.uk)

**Course fees**
The following course fees include the cost of tuition, course materials, lunches, light refreshments and the course dinner.

- Bookings made on or before Friday 2 August 2019: £725*
- Bookings made after Friday 2 August 2019: £775*

*VAT exempt

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:

- Sunday evening, bed and breakfast £82
- Monday – Tuesday evening, bed and breakfast £86

To take advantage of these special rates please book by contacting the hotel direct on 0113 230 6000 (Emma Barker), E: reservations@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 16 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](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:**

CPD, Conference & Events Coordinator
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School of Chemical and Process Engineering Room 3.11
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](http://www.engineering.leeds.ac.uk/short-courses)

**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