

Training Workshop

Waste Treatment Technologies and their Implications for Waste Collection



Local Authority Recycling Advisory Committee



Course Outline

Following on from the highly successful **New Technologies Training** course that formed part of the Defra New Technologies Supporter Programme, Enviro Consulting, on behalf of LARAC, is able to offer a thoroughly comprehensive training programme which combines practical management theory and principles with a well established style of delivery. The training programme focuses on the implications of new waste treatment technologies for Waste Collection Authorities.

The 2 day consecutive course is **free** to all authorities in England. The demand for the programme is likely to be high, so local authority officers are encouraged to apply early to ensure a place on one of the courses.

The course will contribute to the development of knowledge and skills to enable authorities to evaluate technologies and provide objective advice as part of a decision making process for the treatment of biodegradable municipal waste (BMW) that will reduce the UK's reliance on landfill.

The course comprises 6 key units designed to provide opportunities for participants to demonstrate the achievement of the intended learning outcomes of the course. The course is accredited by CIWM and will represent 14 hours for the purposes of continuing professional development (CPD).

Who should attend?

The course should be attended by anyone in a local authority who will play a role in the decision making process for implementing waste technologies into their region.

Whilst preference will be given to officers working within English Waste Collection Authorities, other local authority officers are encouraged to apply including: Waste Disposal Officers, Planning Officers, and Finance Officers.

Our objectives are to:

1. Explain why new technologies are required to treat biodegradable municipal waste.
2. Explain the relationship between waste minimisation, recycling, and the diversion of biodegradable municipal waste to meet non-statutory and statutory targets.
3. Provide delegates with an understanding of the technologies that may be employed to treat biodegradable municipal waste.
4. Outline the implications of different technology options with respect to the collection of municipal solid waste.
5. Outline the issues related to strategy and partnership, procurement and planning associated with the adoption of new technologies.
6. Outline the ways in which waste collection authorities can influence decision-making within waste disposal authorities and waste partnerships with respect to the selection and implementation of new waste management technologies.

Course Content

Day 1

Unit 1: Roles, Responsibilities and Drivers

- The roles and responsibilities of a Waste Collection Authority (WCA), Waste Disposal Authority (WDA), and Unitary Authority (UA).
- The formal and informal relationships between the WCA and WDA.
- The links between the different statutory functions of the WCA and WDA.
- The main statutory and non statutory drivers that influence the treatment of waste by WCAs and WDAs.

Unit 2: The Waste Collection Authority Influence on Residual Waste

- The impact that WCA strategies have on residual waste with regard to composition, calorific value and BMW content.
- The different kerbside performance indicators.
- The implications of different levels of kerbside performance on the residual waste composition.
- The difference between the Environment Agency's Mass Balance approach and alternative measured approaches to calculating the proportion of biodegradable material in MSW.

Unit 3: Partnership, Strategy and Planning

- The role of joint working and formal partnership structures.
- The linkages between the different statutory functions of the WCA and WDA.
- The role of the Joint Municipal Waste Management Strategy (JMWMS) in providing the strategic basis for change.
- The central role of the new development plan system in delivering new waste infrastructure.
- How waste authorities can engage in the plan making process.
- The key issues with respect to siting facilities.
- The likely success factors in seeking to obtain planning permission for new waste infrastructure including good facility design.

Day 2

Unit 4: Technologies that Treat Residual Waste

- The range of different technologies available for the treatment of BMW.
- The strengths and weaknesses of each of the residual treatment technologies with respect to the diversion of BMW from landfill.
- The treatment and disposal routes, end users and markets for the outputs and process residues.
- The principal drivers and barriers influencing the markets or outlets for the outputs and process residues arising from the treatment of MSW.

Unit 5: Procuring New Waste Treatment Capacity – Cost, Finance and Bankability

- The procurement process and the necessary technical, legal and economic inputs required
- The timescales involved and time critical elements of the waste procurement process
- The difficulties in determining / obtaining accurate costs for new technologies;
- Financing options and their key implications
- The issue of bankability in relation to new technologies.

Unit 6: Impact on LATS

- The operation of the Landfill Allowance Trading Scheme.
- The contribution that each technology makes to reducing BMW tonnage for landfill disposal.

On completing the course you will have an all round knowledge of the full decision making process for implementing new waste technologies and understand how Waste Collection Authorities can input to all stages of the process.

The training courses will be held regionally and are due to commence in October 2007.

Course No	Date	Venue (TBC)
1	10 – 11 Oct 07	Warwickshire
2	7 – 8 Nov 07	East Midlands
3	12 – 13 Dec 07	East of England
4	16 – 17 Jan 08	Warwickshire
5	20 – 21 Feb 08	London
6	19 – 20 Mar 08	North East
7	23 – 24 Apr 08	North West
8	21 – 22 May 08	Warwickshire
9	25 – 26 June 08	South East
10	24 – 25 Sept 08	London
11	15 – 16 Oct 08	South West
12	26 – 27 Nov 08	Yorkshire & Humber
13	11 – 12 Feb 09	West Midlands
14	18 – 19 Mar 09	Warwickshire

To register your interest in attending one of the following courses please complete the online registration form by clicking [here](#).

A confirmation email will be sent for the course which you select providing further details.

Alternatively you can complete the booking form below and fax to 0113 2395619

Further Information:

If you have any queries on the training course please email laracwastetech@enviros.com

Booking form

Title	
First name	
Surname	
Telephone number	
Email address	
Job title	
Organisation	
Address	
Postcode	
Dietary/Access requirements	

I would like to express my interest in attending training course number:
(Select course number from training courses list in above table)

Please return booking form to:

LARAC Training - New Technologies and Waste Collection , Enviros Consulting Ltd, Third Floor Suite, Lister House, Lister Hill, Horsforth, Leeds LS18 5AZ

Alternatively please fax through completed form to 0113 2395619 or email laracwastetech@enviros.com