

# Waste Management

## Benefits of Waste Management & Waste Minimisation include:

- Legislative including Duty of Care compliance
- Compliance with the objectives of ISO 14001 & attainment of EMS targets
- Cost savings on feedstock, utilities, disposal services and energy
- Managed waste & stock inventory with optimised treatment/disposal costs.
- Increased operating efficiency
- Projection of a positive public image
- Reduced liabilities

Foster Wheeler Environmental Services Group believes that a key requirement for Waste Management is a thorough understanding of the process which generates the waste streams, as well as the regulatory background under which it operates. Foster Wheeler's in-depth knowledge of the waste and environmental management regulatory framework, then in process engineering provides this understanding. The group has developed a Waste Management Manual as a tool to enable structured measures e.g. auditing, monitoring, management and reporting; with the evaluation of waste management & waste minimisation options to ensure legislative compliance and maximum payback for our clients.

## The Waste Management & Waste Minimisation Strategy

Some waste management and waste minimisation measures incur no capital expenditure; an objective & independent assessment of operating practices and procedures is used to identify and recommend improvements with technically feasible and economically evaluated options.

A good strategy will ensure that:

- Waste Management Systems are in place and complied with
- Costs are known
- Reduction targets are established and met
- Waste streams are monitored and controlled
- Waste is "designed out"
- End of pipe treatment or disposal are last resorts
- Waste Management Duty of Care and Regulatory provisions are met

## ISO 14001

As part of Foster Wheeler's commitment to the ISO 14001 Environmental Management System, we incorporate a waste management and waste minimisation review into our corporate activities and in the project execution programmes on all our projects.

In addition, we have undertaken site wide waste inventory, waste management and waste minimisation studies for clients; to providing reports which are:

- Fully auditable
- Can be revisited at a later date
- Can be used for tracking the waste management options and their implementation
- Provide a single point reference document

## Thames Valley Waste Minimisation Project

Our recent experience includes the "Thames Valley Waste Minimisation Project," which was undertaken on a joint consultancy basis under the Environmental Best Practice Programme. The project was successfully completed to the benefit of the participants who have now taken over the management of the scheme.

## The Technique

Cost effective waste minimisation for:

- 1) Waste reduction/elimination at source
- 2) Recycling/recovery of usable materials for re-use or reclamation after treatment.
- 3) Treatment: Improving the quality and/or reducing the volume of
- 4) Waste Disposal as a last resort.

