



*Training Course:
Waste Management and Pollution Control*

*24 - 28 November 2024
Alexandria (Egypt)*

Training Course: Waste Management and Pollution Control

Training Course code: HE23657 From: 24 - 28 November 2024 Venue: Alexandria (Egypt) - Training Course Fees: 4345 €

Introduction

The term "Waste Management" collectively means the management of waste from its inception to the final stage of disposal. Thus, as one single unit it encompasses right from the collection, disposal, recycling, to which the processes of monitoring and regulation, respectively belong to, along with the legal frameworks that enable the occurrence of waste management.

By attending this training course, participants will be able to know how to lessen management costs and create commercial opportunities by using a range of tools to explore opportunities in waste prevention, re-use, and recycling. Participants will also have an insight into the advantages of managing waste and controlling pollution through understanding energy generation from biological waster - including food waste.

This training course on **Waste Management and Pollution** will give some details on these numerous types of contaminants and the new frontiers in eliminating or minimizing these contaminants, the use of effective non-hazardous products in your company and also environmentally acceptable methods of disposal for both hazardous and non-hazardous wastes.

This training course will feature:

- Identifying Waste Streams in your Organisation
- The value of Waste Streams
- Waste management practices
- Evaluating the performance of current waste contractors and sub-contractors
- Auditing the life cycle of waste
- The benefits of the 7 RIs in Waste Management
- Monitoring and review of your performance

Course Objective of Waste Management and Pollution Control

By the end of the training course, participants will be able to:

- The environmental impact, resource management and the implications of the production of solid waste management
- How to minimize the effects of the components of solid waste management infrastructure systems
- Recycling, reuse, and reclamation of solid wastes
- The relationships between inappropriate waste management practices and impacts on water, soil and sediment quality
- Current practices prominent in Waste
- The Implementation of systems available in solid waste management
- Assessing environmental guidelines, human activities, and environmental quality of impacted soils and water
- Integrating solid waste management options and imposed environmental legislation and guidance to develop legal and safe solutions.

Course Target Audience of Waste Management and Pollution Control

This training course is designed for waste managers and supervisors, including managers and supervisors in all waste-producing industries e.g. including manufacturing and retail. It is also ideal for municipal waste managers, waste planners private and public sector, and anyone who wishes to explore opportunities in the management of waste.

The training course is suitable for a wide range of professionals but will greatly benefit all staff with responsibility for the identification, storage, transfer, and disposal of waste, including:

- Health and Safety Managers
- Environmental managers
- Facility Managers
- Operations Personnel & Managers, Shift Supervisors & Shift Team Leaders
- Process and warehouse staff

Course Outline of Waste Management and Pollution Control

Day One: Sustainable Waste Management

- Waste Management Policies
- Sustainable waste management: Best practice
- Environmental risks and their management and control
- Managing Pollution in the Environment
- Understanding the Life Cycle of Waste

Day Two: Waste Prevention

- Waste prevention best practice in the industry
- The true cost of waste

- Behavior and culture of Waste management
- Industrial solid waste: audits and minimization strategies
- Management of landfills
- Industrial Waste Strategies

Day Three: Re-Use and Recycling of Waste

- The role of Materials Recovery Facilities MRFs
- The role of transfer stations
- The science of composting in waste management
- Open windrow composting
- "In-Vessel Composting" IVC
- Food Waste

Day Four: Waste Recovery

- AD of Food waste
- Good practice in the management of food waste
- Waste Incineration with energy recovery
- Energy from Waste Incineration EfW
- EfW for Municipal Waste
- Landfill: Hazards and risks

Day Five: Land Waste Disposal

- Principles of a sustainable landfill in various countries
- Landfill: Engineering considerations
- Long-term storage of waste
- The future of Waste Management
- Course summary

Registration form on the Training Course: Waste Management and Pollution Control

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