

Pollution Prevention and Waste Management

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Energy Milestones Corporation Advancing Professionals to the next level

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Pollution Prevention and Waste Management



Overview

This training course will provide details on various types of contaminants and the new frontiers in eliminating or minimising these contaminants. It will also cover the use of effective non-hazardous products in your company and environmentally acceptable methods of disposal for both hazardous and non-hazardous wastes.

Course Objectives

At the end of this course, the participants will be able to:

- Understand the processes taking place in their industry and the consequences of the generation of hazardous wastes.
- Understand the international protocols driving the more effective management of hazardous materials.
- Review their waste disposal practice in the context of growing environmental awareness.
- Obtain performance improvement through the implementation of an environmental management system.
- Introduce new developments in waste management practice
- Gaining knowledge about pollution prevention methods and technologies in the field of industrial-hazardous waste management.
- Understanding of this field, the concepts of “Circular Economy” and “Cradle-to-Grave”.
- Students will be able to apply the knowledge gained during the course in real-life situations.
- Be able to evaluate policy options in the field of hazardous waste management.
- Becoming prepared for discussion about the advantages and disadvantages of different hazardous waste management options, methods and technologies.
- From case studies and field trips, gaining knowledge about the cleanup and remediation of contaminated sites



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Course Content

1. Introduction to Hazardous Waste

- Global environmental issues
- International legislation
- Concept of 'Duty of Care'
- Definition of Hazardous Waste and its impacts
- The Hazardous Waste Management Industry

2. Management of Industrial Hazardous Waste

- Introduction to ISO 14001, a specification for an Environmental Management System
- Responsibilities in managing hazardous waste
- Hazardous Waste Regulations
- Transportation and Disposal
- Hazardous Waste facilities

3. Pollution Prevention

- Exploration and Production, Refining & Distribution
 - origins of pollution
- Construction and operational issues
- Pollution Prevention materials and services

4. Pollution Management

- Major accident hazards
- Development of emergency plans

5. Hazardous Waste Management & Pollution Prevention

- Case studies to develop the application of a systems approach to managing hazardous waste and promoting pollution prevention.



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Targeted Audience

- Health & Safety and Environmental Professionals
- Staff responsible for managing Hazardous Wastes & Contamination Issues
- Laboratory Technicians
- Emergency Personnel

Course Methodology

Facilitated by an experienced professional trainer, this training course will be conducted as a highly interactive workshop session. A variety of training methodologies and facilitation techniques will be employed before and during the course, as applicable. These methods are aimed at enhancing individual and group interaction while maximising learning. Some of these methods are:

- Online Pre-post Test
- Colourful Visual Aids
- Gamification
- Self-Assessment Instruments
- Simulations
- Case Studies
- Videos
- Group Exercises & Discussions
- Role plays
- Indoor & Outdoor games

