

# H S E

HEALTH

SAFETY

ENVIRONMENT



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## **Hazardous Waste Management & Pollution Prevention**

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**Duration:** 5 Days



### **Introduction:**

This comprehensive course will introduce delegates to the whole concept of managing hazardous wastes which will include their generation, storage, collection, processing, treatment, transportation and disposal. All waste related definitions will be provided and recycling and other

methodologies of minimizing waste generation will be included in the course. It will also provide generic guidelines for operating a waste management system and a disposal site based on international experiences. The various pollution prevention strategies currently utilized by many industries together with some generic governmental legislation will also be included. The economic side of minimizing and preventing pollution by industry and the associated tangible rewards will be discussed together with the role that each person has to play in the big picture

### **Who Should Attend?**

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Health and Safety and environmental professionals, staff responsible for managing hazardous wastes, Laboratory technicians, staff wishing to reduce risk and liability

arising from polluting events, technical assistants and anyone who has a role to play in environmental matters of the organization

## **Course Objectives:**

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### **By the end of this course delegates will be able to:**

- Learn how to recognize the importance of environmental values in decision making
- Learn how to avoid serious and irreversible damage to the environment
- Learn some of the current common pollution prevention techniques being used by industry today
- Encourage dialogue with like-minded individuals on specific issues of concern in their organizations and the opportunity to develop regional networks to address common issues
- Encourage the buy green concept or the use of more environmentally friendly products
- Assist the participants in obtaining a better appreciation of Agenda 21 and its inter-relationship amongst all the countries of the world
- Show and emphasize the close relationship between human health and safety and the environment
- Methodologies for the cleanup of contaminated land and the various parameters involved
- That each participant will know how to obtain environmental performance improvement

## **Course Outline:**

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### **Brief History of the Environmental Movement & Introduction to Hazardous Waste**

- Global Environmental Issues
- International Environmental Treaties and Legislation
- Environmental Awareness and Due Diligence

- Definition of Hazardous and Non-Hazardous Wastes
- The Hazardous Waste Management Industry

### **Management of Industrial Hazardous Waste**

- Introduction to (Environmental Management System) and what it can and cannot do
- Some typical Hazardous Waste Regulations and the need for harmonization
- Life Cycle Management of Hazardous Wastes
- The importance of documentation in hazardous waste management

### **Pollution Prevention**

- Discussions on sources of pollution and techniques and technologies for pollution prevention
- Exploration and Production
- Refining and Transportation- origins of pollution
- The toxic 12 chemicals- Stockholm Convention and the role of the UNEP (United Nations Environment Program)
- The common thread amongst many third world countries concerning pollution issues

### **Consideration for Major Incidents, Contingency Planning & Recommended Corrective Actions**

- Discussion of some major preventable accidents
- The importance of on-going training and simulated accidents
- The importance of regular review of emergency plans
- The Big Picture Review of Hazardous Waste Management and Pollution Prevention
- Case studies to develop the concept and to re-emphasize the importance of the environmental component in job planning