Hazardous Waste Management and Pollution Control Training

31 January – 4 February 2027
Dubai (UAE)



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Why This Course

Hazardous waste management is a critical responsibility for organizations that handle materials capable of harming people, property, and the environment. Effective management requires strong knowledge of regulations, waste classification, safe handling, storage, transportation, treatment, disposal, pollution prevention, and emergency response.

This intensive 1-week Hazardous Waste Management and Pollution Control Training program equips environmental professionals with the practical knowledge and tools needed to manage hazardous waste safely and responsibly. The course covers regulatory compliance, waste identification, characterization, handling, storage, transportation, treatment technologies, pollution prevention, environmental management systems, risk assessment, and emergency response planning. Through practical examples, exercises, and real-world applications, participants will learn how to reduce environmental impact while maintaining safe and compliant operations.

What You'll Learn and Practice

By joining this program, you will:

- Understand hazardous waste regulations and compliance requirements.
- Identify, classify, and characterize hazardous waste effectively.
- Recognize environmental and health impacts linked to hazardous materials.
- Apply safe handling procedures for hazardous waste and materials.
- Manage storage facilities, containment systems, and spill prevention controls.
- Apply labeling, documentation, and record-keeping requirements.
- Understand transportation regulations and best practices.
- Use manifest systems and tracking procedures for hazardous waste movement.
- Evaluate waste treatment, recycling, recovery, and disposal options.
- Apply pollution prevention and source reduction techniques.
- Manage air, water, and soil pollution control strategies.
- Develop emergency response plans and risk mitigation procedures.



The Program Flow

Day 1: Introduction to Hazardous Waste Management

- Understand key regulatory frameworks and compliance obligations.
- Identify hazardous waste types and classification methods.
- Apply waste characterization techniques to determine risk and handling requirements.
- Understand the environmental and health impacts of hazardous waste.
- Build a foundation for developing compliant hazardous waste management programs.

Day 2: Hazardous Waste Handling and Storage

- Apply safe handling procedures for hazardous waste and related materials.
- Understand storage facility design and management requirements.
- Use containment systems to prevent leaks, spills, and environmental contamination.
- Apply spill prevention methods and safe storage practices.
- Manage labeling, documentation, and compliance records accurately.

Day 3: Transportation and Disposal of Hazardous Waste

- Understand hazardous waste transportation regulations and best practices.
- Apply manifest systems and tracking procedures.
- Evaluate treatment and disposal technologies for different waste types.
- Explore recycling and recovery options to reduce disposal volumes.
- Select appropriate disposal methods based on safety, compliance, and environmental impact.

Day 4: Pollution Prevention and Control Strategies

- Apply source reduction techniques to minimize hazardous waste generation.
- Explore best available technologies for pollution control.
- Manage air, water, and soil pollution risks.
- Understand how environmental management systems support pollution prevention.
- Develop practical strategies for reducing environmental impact and improving performance.

Day 5: Emergency Response and Risk Management

- Develop emergency preparedness and response plans for hazardous waste incidents.
- Conduct risk assessments and identify mitigation strategies.
- Apply incident reporting and investigation procedures.
- Review lessons learned from hazardous waste incidents.
- Build continuous improvement practices into hazardous waste management programs.



Individual Impact

- Build confidence in managing hazardous waste safely and responsibly.
- Strengthen knowledge of waste regulations, classification, and compliance practices.
- Improve skills in safe handling, storage, transportation, and documentation.
- Gain practical understanding of pollution prevention and control technologies.
- Develop stronger risk assessment and emergency response planning capabilities.

Work Impact

- Improve compliance with hazardous waste and environmental regulations.
- Reduce risks to employees, communities, and the environment.
- Strengthen waste audits, documentation, and operational controls.
- Improve pollution prevention, treatment, recycling, and disposal decisions.
- Enhance organizational readiness for hazardous waste incidents and emergencies.

Training Methodology

This program combines environmental management knowledge with practical application through:

- Regulatory compliance and hazardous waste classification exercises.
- Waste audit and characterization activities.
- Safe handling, storage, labeling, and documentation workshops.
- Treatment, disposal, recycling, and recovery case studies.
- Pollution prevention and control strategy discussions.
- Emergency response planning, risk assessment, and incident investigation exercises.

Beyond the Course

Upon completion, participants will be able to:

- Develop and implement compliant hazardous waste management programs.
- Conduct waste audits and improve waste handling practices.
- Identify suitable treatment, recycling, recovery, and disposal options.
- Apply pollution prevention strategies to reduce environmental impact.
- Create emergency response plans for hazardous waste incidents.
- Support safer, cleaner, and more sustainable environmental operations.

