

# € TRAINING

Environment Management for Power Plants



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## Introduction:

You will learn about the Best Worldwide Practices in Power Plant Environmental Technology and Management. Step-by-Step Setting Up a Power Plant Quality Assured Good Environmental Management System.

## Course Objectives:

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

- Understand the business benefits of sound environmental management
- Appreciate the environmental management systems
- Know how legislation and international conventions affect businesses
- Become knowledgeable of environmental terms
- Understand the process of waste minimization
- Explore the types of emergencies that have effects on the environment
- Plan an environmental management program

## Targeted Audience:

Those new to the field take away a good multi-discipline understanding of the issues involved in their work. It helps them in becoming productive quickly and in building a knowledge framework that will help them identify, understand, classify, and remember the job learning and experiences.

Implementation Teams: This program can be used to train implementation teams - when a new project or initiative is being started in your organization; when a new strategic focus is being initiated; just prior to a consultant being hired to advise the organization.

## Course Outlines:

### Unit 1: Environmental Context:

- How humans interact with the environment?
- Definitions: "climate change", "air", "water and land pollution", "biodiversity" and "depletion of natural resources"
- The costs of environmental pollution
- The hydrological cycle and the carbon cycle
- Resource Consumption
- Waste minimization

### Unit 2: Environmental Legislation & Management:

- Key aspects and requirements of UK legislation
- Environmental Protection Act, IPPC, PPC
- European directives and national legislation impact on commercial activities
- Common Management Systems
- Environmental Management Systems

- EMAS, ISO 14001

### Unit 3: Environmental Aspects & Policy:

- Identify how an organization's activities can affect the environment
- Identify and describe an organization's environmental aspects
- Evaluate the significance of environmental effects to prioritize an organization's environmental activities
- Indirect aspects that might influence supplier performance
- How to write an environmental policy?
- Appropriate techniques to disseminate the policy

### Unit 4: Environmental Management Techniques & Training:

- Practical environmental management techniques in waste minimization
- Prioritize actions needed to improve performance
- Changing work activities to improve environmental performance
- Benefits of environmental awareness and management education
- Factors to be considered in the development and content of the training program
- The necessity for feedback and evaluation

### Unit 5: Environmental Auditing, Reporting, and Emergency Plans:

- Undertake an internal audit to an agreed specification and make recommendations
- Producing an environmental report adopting good practice features
- Types of emergency that might have an impact on the environment
- How prior preparation and provision of training and resources can mitigate any effects?