

# Pollution and the Management of Hazardous Wastes

## Hazardous Waste & Contamination - Management & Prevention

### Introduction

Preserving the environment and public health need efficient handling of hazardous waste and pollution control. Hazardous waste, which is made up of materials that are extremely dangerous, needs to be handled, stored, transported, and disposed of carefully in order to minimise any negative impacts. This training programme emphasises the critical tactics and multidisciplinary methods required to manage hazardous waste and reduce pollution. In order to fully solve these important environmental challenges, it encourages cooperation between governmental organisations, businesses, communities, and people.

Upon completion of this training programme, participants will possess the necessary skills to spearhead their organisations' efforts to reduce environmental impact, maintain regulatory compliance, and advance sustainable development. The goal of this training programme is to enable people to take charge of their environmental health and safety by teaching them how to manage pollutants and hazardous waste in a way that makes the world a safer and healthier place.

**A broad number of subjects are covered in the curriculum of the Course N Carry Pollution and the Management of Hazardous Wastes training course, including:**

- The most recent legal mandates and international agreements
- Innovative techniques for recycling, recovery, and waste reduction
- Cutting-edge methods for preventing and cleaning up pollution
- The best methods for evaluating risks and organising emergency responses

### Objectives

With the knowledge and resources they need to handle hazardous waste and pollution control efficiently, this course on Pollution and the Management of Hazardous Wastes is intended to help participants promote sustainable practices within their organisations and create a safer, healthier environment.

**A thorough understanding of contamination makes networking and collaboration in the region easier.**

- Understand Environmental Regulations and Treaties

- Gain Experience in Strategic Problem-Solving
- Recognise the Interactions Between Human Health and the Environment
- Advanced Methods of Remediation

## Training Methodology

Proven adult learning strategies are used in this in-person training session to guarantee thorough comprehension and retention. Presentations, films, case studies, and interactive conversations are all included. To ensure active engagement and practical application of the principles learnt, delegates will participate in activities accompanied by video elements.

## Organizational impacts

- Increased Output
- Audits and Compliance Streamlined
- Savings on Costs
- Enhanced Community Standing Regulatory Benefit Sustainable Growth
- Organisations may establish themselves as leaders in environmental stewardship by accomplishing these impacts, which will also improve their operational resilience, financial performance, and social responsibility profile.

## Personal Impact

- Increased Proficiency and Contentment
- Enhancing My Career and Minimising Risks
- Enhanced Safety at Work
- Psychological and Moral Satisfaction
- Gratitude for Organisational Devotion.
- Advocacy and Leadership
- Participants will improve their own personal and professional lives as well as contribute to a larger culture of environmental stewardship and corporate social responsibility by attaining these personal effects.

## Who should attend?

**This HAZWOPER standard-compliant Course N Carry Pollution and the Management of Hazardous Wastes training course can be used for the following:**

- Managers of the Environment, Health Safety
- Executive Directors Security Directors
- Managers of Regulatory Affairs; Management Representatives
- Internal Examiners
- Employees in charge of handling hazardous trash

- Employees in charge of pollution problems

## Course Outline

### Day 1

#### Overview of Hazardous Wastes and Introduction to Contamination

- Knowing About Contamination and Its Effects on Different Kinds of Contamination
- International Environmental Conventions and Guidelines
- The UNEP's Role in the Toxic 12 Chemicals and Chemicals on the Watchlist
- The Significance of Environmental Law Hazardous and Non-Hazardous Waste Definitions

### Day 2

#### Efficient Handling of Pollution and Dangerous Materials

- Ideal Waste Management and Storage: Importance of Waste Segregation
- Agreements of the Basel Convention
- Strategies for the Circular Economy
- Risks Associated with Waste Management
- Connecting Hazardous Waste and Contamination

### Day 3

#### Advanced Contamination and Hazardous Waste Management

- Essential Records for Hazardous Waste Management: Contamination and Occupational Health and Safety
- Harmonisation requirements and regulatory frameworks
- Safety Data Sheets (SDS) and the Workplace Hazardous Materials Information System (WHMIS)
- Globally Harmonised System (GHS) Significance
- Carrying Out Robust Contamination Audits
- Effective Handling of Trash Disposal Locations

### Day 4

## **Methods for Pollution Control and Prevention: Locating Frequently Occurring Sources of Pollution**

- Sources of Pollution and Methods of Prevention
- An in-depth case study on the Gulf of Mexico oil spill in April 2010.
- Creative Tanker Designs to Prevent Spills and Handle Pollution Issues in Developing Nations
- Assessing the Concepts of Zero Liquid Discharge (ZLD) and Zero Waste (ZW):
- Controlling Bird Drop Pollution

## **Day 5**

### **Thorough Planning for Major Event Contingency, Pollution Prevention, and Contamination and Materials Life Cycle Management**

- The Framework of Five R's
- Best Practices for Storing Hazardous Materials
- Regular training, routine evaluation, and emergency plan updating
- 9001, 18001, and ISO 14001 are the current standards.
- Thorough environmental audits