

Learning Topic: Pollution Prevention in Petrochemical Industry.

Course Name: 2. Hazardous Waste Management & Pollution Prevention

Reference Code : SAF 325

Description:

- Petrochemical plants generate various types and quantity of waste, like air pollution, volatile organic compounds (VOCs), wastewaters from process operations, solid wastes and sludges, and others. The guidelines represent state-of-the-art thinking on how to reduce pollution emissions from the production process. .
- Accidental discharges as a result of abnormal operation in a petrochemical complex can be a major environmental hazard releasing large quantities of pollutants and products into the environment.
- This training takes you through industry best practices to control pollution by Air pollution sources prevention, monitoring and modeling of air quality, air pollution prevention and control regulations and guidelines, etc.

Course Objective:

Delegates attending this training will be versed in:

- How petrochemical plants generate various types and quantity of waste
- Petrochemical industry practices
- Waste characteristics
- Pollution prevention and control in petrochemical industries
- Target pollution loads
- Air pollution from processing activities
- Water pollution from processing activities.
- Solid wastes from processing activities
- Treatment technologies
- Emissions guidelines
- Monitoring and reporting
- Key issues

United Arab Emirates

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Khobar Gate Tower
King Fahad Street , Khobar 31952

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101 Business Tower, 8th Floor
Al Jubail 35513, Bldg# 9278 ,KSA

Program me Methodology:

This program consists of modules containing lecture content, skill assessments, participative discussions, video presentations and delegate exercises in order to create high impact training. The program is designed to be dynamic and highly interactive as well as educational. The primary focus is to provide delegates with concepts and methods which they can put to immediate use in the workplace.

Who Should attend?

Primarily aimed at personal in the field of petrochemical processing and to those who are seeking high level and professionalism in the field. It will also benefit engineers, technicians, and managers who need to gain an insight into Pollution Prevention in Petrochemical Industry.

Course Outline:

- Introduction
- Overview of the Environmental Impact of the Petroleum industry
- Sources of Environmental Pollution from the Petroleum Industry
- Pollution from Exploration and Production of Crude oil and Natural Gas.
- Pollution from Storage, Manipulation, and Transportation of Petroleum Liquids
- Pollution from processing of natural gas and crude oil
- Overview of Petroleum Processing Operations.
- Air Pollution from Processing Activities
- Water Pollution from Processing Activities.
- Solid Wastes from Processing Activities
- Depositing solid and liquid waste, including the organic waste, in burning rooms
- Industrial treatment of raw materials (such as traces of polluting materials) and conditions in plants (treatment temperature, pressure and flow)
- Diffusive release into the air, water and soil
- Recipients of emissions such as air, grass, surface soil and underground waters
- Expenditure of raw materials and energy Sources and levels of noise and vibrations
- Sources of smells
- Conditions in the plant
- Performance and maintenance of monitoring equipment.
- Estimation of Pollution and Control Technologies for the Petroleum industry
- Estimation of Air Pollution and Control Technologies
- Estimation and Control Technologies for Water Pollution and Solid Wastes
- Estimation and Control of Water Pollution
- Estimation and Control of Solid Waste.

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Course Duration	Date	Venue	Course Fee
5 Days			

Time: 08:00 AM -03:00 PM

Numbers of hours: 30 Hours

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