

Produced Water Treatment and Management for Onshore and Offshore Assets

COURSE OVERVIEW

Produced water is a byproduct of oil and gas extraction, often containing hydrocarbons, heavy metals, salts, and other contaminants. Proper management and treatment of produced water are essential to minimize environmental impact, ensure regulatory compliance, and optimize operational efficiency. This course provides a comprehensive understanding of produced water characteristics, treatment technologies, regulatory frameworks, and best practices for sustainable management in both onshore and offshore operations. By understanding treatment technologies, regulatory requirements, and best practices, participants will be equipped with the knowledge and skills needed to manage produced water effectively in both onshore and offshore environments.

WHO SHOULD ATTEND?

The course is designed for professionals in the oil and gas industry, including production, facilities, and process engineers, as well as operations managers, maintenance supervisors, and environmental compliance officers. It is also ideal for chemists, water treatment specialists, and new engineers or technicians seeking to understand the challenges of produced water management. The course provides valuable insights into treatment technologies, regulatory compliance, and best practices for effectively managing produced water in onshore and offshore operations.

COURSE OUTCOMES

Delegates will gain knowledge and skills to:

- Comprehend the composition and challenges of produced water in onshore and offshore operations.
- Analyze regulatory requirements and environmental standards for produced water management.
- Evaluate treatment technologies, including physical, chemical, and biological methods.
- Assess water recycling, reuse, and disposal strategies for operational efficiency.
- Identify risks and mitigation strategies associated with produced water handling.
- Develop cost-effective and sustainable water management plans for oil and gas assets.
- Apply monitoring and compliance techniques to ensure regulatory adherence.
- Explore emerging innovations in produced water treatment and management.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand:

- Fundamentals of Produced Water
- Regulatory Compliance
- Treatment Technologies
- Water Recycling & Reuse
- Risk Assessment & Mitigation
- Cost & Operational Efficiency
- Monitoring & Performance Evaluation
- Emerging Innovations

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded