MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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BEST PRACTICES IN SEWAGE AND INDUSTRIAL WASTEWATER TREATMENT

"Enhancing Efficiency and Safety in Wastewater Management"

Schedule

Date	Venue	Fees (Online)
15 – 16 Dec 2026	Online	USD 700 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Efficient wastewater treatment is essential for environmental protection, regulatory compliance, and public health. This intensive 2-day online training equips participants with the knowledge and skills to manage both sewage and industrial wastewater effectively. The program focuses on best practices, operational safety, and process optimization, enabling organizations to minimize environmental impact while maintaining efficiency.

Participants will engage in practical exercises, case studies, and interactive discussions that highlight real-world challenges in wastewater management. The course emphasizes sustainable strategies, compliance with standards, and techniques to improve operational performance and risk management in wastewater operations.

Objectives

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

- Understand the principles and standards of sewage and industrial wastewater treatment.
- Identify operational challenges and associated risks.
- Apply best practices for optimizing treatment processes.
- Ensure compliance with environmental and safety regulations.
- Develop strategies to improve efficiency, sustainability, and performance.

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Why Attend

- Gain practical knowledge of wastewater treatment best practices.
- Improve regulatory compliance and operational safety.
- Learn techniques to optimize treatment processes and reduce costs.
- Share experiences and network with professionals in the field.
- Enhance your problem-solving skills in industrial and municipal wastewater management.

Target Audience

This program is designed for:

- Environmental engineers and wastewater treatment professionals
- Health, safety, and environmental officers
- Plant managers and operations supervisors
- Regulatory compliance officers
- Industrial and municipal wastewater consultants

Individual Benefits

Key competencies that will be developed include:

- Mastery of wastewater treatment processes and technologies
- Ability to identify and mitigate operational risks
- Skills in process optimization and efficiency improvement
- Enhanced understanding of environmental and safety regulations
- Capability to implement sustainable wastewater management strategies

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved efficiency and safety in wastewater operations
- Enhanced regulatory compliance and risk management
- Reduced environmental impact and operational costs
- Strengthened sustainability initiatives
- Increased organizational preparedness for operational challenges

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Overview of wastewater treatment principles and safety standards
- Case Studies – Real-world examples of successful wastewater management
- Workshops – Hands-on exercises to optimize treatment processes
- Peer Exchange – Group discussions on challenges and solutions
- Tools – Templates for process monitoring, risk assessment, and compliance checklists

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Course Outline

Detailed 2-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Fundamentals of Wastewater Treatment

Module 1: Introduction to Wastewater Management (07:30 – 09:30)

- Overview of sewage and industrial wastewater
- Environmental and health impacts
- Regulatory standards and compliance

Module 2: Treatment Technologies (09:45 – 11:15)

- Primary, secondary, and tertiary treatment methods
- Chemical, biological, and physical processes
- Selection criteria for different industries

Module 3: Risk Management and Safety (11:30 – 01:00)

- Identifying hazards in wastewater treatment
- Safety protocols and emergency response

Module 4: Process Optimization (02:00 – 03:30)

- Techniques to enhance treatment efficiency
- Resource management and cost reduction

Day 2: Advanced Practices and Sustainability

Module 1: Industrial Wastewater Challenges (07:30 – 09:30)

- Sector-specific wastewater challenges
- Case studies of successful solutions

Module 2: Monitoring and Quality Control (09:45 – 11:15)

- Water quality analysis and performance indicators
- Compliance monitoring and reporting

Module 3: Sustainable Practices (11:30 – 01:00)

- Resource recovery and recycling
- Minimizing environmental footprint

Module 4: Workshop and Q&A (02:00 – 03:30)

- Practical exercises for process improvement
- Interactive discussion and problem-solving

Certification

Participants will receive a Certificate of Completion in Sewage and Industrial Wastewater Treatment – Best Practices, validating their knowledge and practical skills in wastewater management, operational efficiency, and environmental compliance.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

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