



WASTEWATER MANAGEMENT & WATER CONSERVATION TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

Course Title: Wastewater Management & Water Conservation Training

Course Validity: 2 Days

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION

This training provides essential knowledge on wastewater management processes, treatment methods, water conservation strategies and regulatory requirements. It covers sources of wastewater, pollutant characteristics, treatment technologies and best practices for efficient water usage. Participants will also learn compliance obligations, environmental responsibilities and sustainable water management approaches.

OBJECTIVE(S):

- Understand wastewater sources, characteristics and pollution impacts
- Learn basic wastewater treatment processes and technologies
- Strengthen knowledge of regulatory and environmental compliance
- Understand water conservation techniques and efficiency measures
- Learn monitoring, documentation and reporting requirements
- Promote sustainable water management practices in workplaces
- Improve awareness of environmental protection and resource conservation

TARGET GROUP(S):

- Facility, engineering and EHS teams
- Manufacturing, service and utility personnel
- ESG, sustainability and environmental teams
- Water treatment operators and maintenance crew
- Organisations aiming to enhance water efficiency

ENTRY REQUIREMENT(S):

- Able to read, write, and communicate in Malay/English

TOPIC(S):

1. Introduction to Wastewater Sources and Characteristics
2. Pollutants, Environmental Impacts and Regulatory Requirements
3. Wastewater Treatment Processes and Technology Overview
4. Industrial Wastewater Control, Monitoring and Sampling Basics
5. Water Conservation Strategies and Efficiency Techniques
6. Rainwater Harvesting, Recycling and Reuse Concepts
7. Environmental Compliance, Reporting and Documentation
8. Best Practices in Sustainable Water Management

LIST OF REFERENCE BOOK(S):

- DOE Malaysia Wastewater & Effluent Guidelines
- Environmental Quality Act (EQA) References
- Industrial Wastewater Treatment Manuals
- Water Conservation & Efficiency Standards
- Sustainable Water Management Guides

LIST OF TEACHING AID(S):

- LCD projector
- Computer
- Whiteboard with accessories

METHODOLOGY(S):

- Lecture
- Case studies
- Group discussions
- Demonstrations
- Documentation review

TRAINING SCHEDULE

Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 9:45 am	Topic 1: Wastewater Sources & Characteristics
9:45 am – 10:30 am	Topic 2: Pollutants & Regulatory Requirements
10:30 am – 10:45 am	Morning Tea Break
10:45 am – 11:30 am	Topic 3: Wastewater Treatment Processes
11:30 am – 12:30 pm	Topic 4: Industrial Monitoring & Sampling Basics
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 2:30 pm	Case Study: Wastewater Non-Compliance Issues
2:30 pm – 3:30 pm	Demonstration: Basic Monitoring Requirements
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Workshop: Wastewater Assessment Exercise

TRAINING SCHEDULE

Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1 & Q&A
9:00 am – 9:45 am	Topic 5: Water Conservation Strategies
9:45 am – 10:30 am	Topic 6: Rainwater Harvesting & Water Reuse
10:30 am – 10:45 am	Morning Tea Break
10:45 am – 11:30 am	Topic 7: Compliance & Documentation Requirements
11:30 am – 12:30 pm	Practical: Water Use Audit Review
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 2:30 pm	Topic 8: Sustainable Water Management Practices
2:30 pm – 3:30 pm	Group Exercise: Water Conservation Planning
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Final Review, Q&A & Closing