



*Training Course:  
Water and Sewerage Management*

*26 - 30 July 2026*

*Cairo (Egypt)*

*Holiday Inn & Suites Cairo Maadi, an IHG Hotel*

## Training Course: Water and Sewerage Management

Training Course code: EW234937 From: 26 - 30 July 2026 Venue: Cairo (Egypt) - Holiday Inn & Suites Cairo Maadi, an IHG Hotel Training Course Fees: 4410 € Euro

### Introduction

This Water and Sewerage Management course is designed to train operators in the practical aspects of operating and maintaining wastewater treatment plants, emphasizing safe practices and procedures. Information presented includes detailed descriptions of the equipment and advanced treatment processes used for odor control, pure oxygen-activated sludge treatment, solids removal from secondary effluents, residual solids management, enhanced biological control including nitrogen and phosphorus removal, and wastewater reclamation.

Operators also learn to operate and maintain treatment plant instrumentation equipment and systems. The residual solids management chapter contains information on sludge types, characteristics, and quantities; sludge thickening using gravity thickeners, dissolved air flotation units, centrifuges, and thermal conditioning as well as wet oxidation and elutriation; dewatering with pressure filtration plate and frame, belt, vacuum, centrifuges and drying beds; volume reduction using composting, mechanical drying, incineration, and lagoons; and disposal methods for dewatered or liquid stabilized sludge.

This course focuses on actual operating procedures and teaches operators to manage, analyze and solve operational problems.

### Training Objectives

The objectives of the Water and Sewerage Management Training Program include but are not limited to the following:

- Wastewater and Sewerage Management
- Wastewater and Sewerage Treatment
- Odor Control
- Activated Sludge Pure Oxygen Plants and Operational Control Options
- Residual Solids Management
- Solids Removal from Secondary Effluents
- Phosphorus Removal
- Nitrogen Removal
- Enhanced Biological Nutrient Control
- Wastewater Reclamation and Reuse
- Instrumentation and Control Systems

## Target Audience

This Water and Sewerage Management training course is suitable for a wide range of professionals in the water and wastewater treatment industry, but will greatly benefit:

- Project managers
- Professionals involved in the regulatory monitoring of water quality
- Engineers involved in the monitoring and maintenance of wastewater treatment systems in the Process Industries
- Process engineers and operators in Sewage Treatment Plants

## Outlines

### Day 1: Fundamentals of Wastewater and Sewerage Management

Introduction to Wastewater and Sewerage Management  
Generation and Decomposition  
Types of pollutants in wastewater  
Wastewater collection, conveyance, and maintenance  
Schematic layouts of wastewater treatment plants  
Regulatory requirements and discharge prevention

### Day 2: Preliminary and Primary Treatment

Preliminary Treatment systems screens, grit chambers, flow meters, shredders  
Operation and maintenance of preliminary treatment units  
Flow measurement and calibration  
Sedimentation and clarification principles  
Operation and maintenance of clarifiers  
Safety in preliminary and primary treatment

### Day 3: Secondary Treatment Processes

Activated Sludge Systems operation, control, troubleshooting, modifications  
Fixed Film Processes operation, monitoring, troubleshooting  
Sludge handling basics  
Operational control and performance monitoring  
Handling abnormal operating conditions

### Day 4: Advanced Treatment and Laboratory Work

Disinfection methods chlorine, UV, ozone  
Laboratory procedures and sampling techniques  
Filtration systems and membrane technologies  
Chemical treatment and dosing jar test, chemical feed systems  
Odor control and troubleshooting

## Day 5: Advanced Systems, Reuse, and Control

Nutrient removal Phosphorus and Nitrogen removal  
Enhanced biological treatment systems Bardenpho, nutrient control  
Residual solids management and sludge treatment  
Wastewater reclamation and reuse  
Instrumentation and control systems  
Monitoring, optimization, and operational strategies

## Registration form on the Training Course: Water and Sewerage Management

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....

Position: .....

Telephone / Mobile: .....

Personal E-Mail: .....

Official E-Mail: .....

### Company Information

Company Name: .....

Address: .....

City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....

Position: .....

Telephone / Mobile: .....

Personal E-Mail: .....

Official E-Mail: .....

### Payment Method

- Please find enclosed a cheque made payable to Global Horizon
- Please invoice me
- Please invoice my company

### Easy Ways To Register

Telephone:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
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to: Global Horizon  
3 Oudai street, Aldouki,  
Giza, Giza Governorate,  
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