



MAESTRO
CONSULTANTS

PLANT AND EQUIPMENT INTEGRITY IN WATER FACILITIES

COURSE OUTLINE 2024

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TRAINING TITLE

Plant and Equipment Integrity in Water Facilities

VENUE

Dubai, UAE

DURATION

5 Days

DATES

04 – 08 March 2024

PRICE

\$5,250 per attendee including training material/handouts, morning/afternoon coffee breaks and Lunch buffet.

TRAINING INTRODUCTION

This course is designed to provide participants with comprehensive knowledge and skills related to the integrity management of plant and equipment in water facilities. Participants will gain insights into the critical aspects of maintaining the reliability, safety, and efficiency of equipment used in water treatment and distribution systems.

TRAINING OBJECTIVES

At the end of this training course, you will learn to:

- Understand the importance of plant and equipment integrity in water facilities.
- Learn the principles and practices of equipment maintenance and inspection.
- Identify common challenges and risks associated with water facility equipment.
- Develop strategies for preventing equipment failures and ensuring long-term reliability.
- Enhance knowledge of regulatory requirements and standards in the water industry.

TRAINING AUDIENCE

This course is suitable for professionals and practitioners involved in water facility management, maintenance engineers, operators, and individuals responsible for ensuring the proper functioning of plant and equipment in water treatment and distribution systems.

TRAINING OUTLINE

Day 1: Introduction to Plant and Equipment Integrity

- Overview of water facilities and their critical components.
- Importance of equipment integrity in ensuring water quality and supply.
- Introduction to relevant regulations and standards.

Day 2: Principles of Equipment Maintenance and Inspection

- Types of equipment used in water facilities.
- Maintenance strategies for preventing corrosion and deterioration.
- Inspection techniques and best practices.

Day 3: Common Challenges and Risks

- Identification of common challenges faced in water facility equipment.
- Analysis of risks associated with equipment failures.
- Case studies highlighting real-world examples.

Day 4: Strategies for Preventing Failures

- Developing a proactive maintenance plan.
- Implementing predictive maintenance techniques.
- Emergency response and contingency planning.

Day 5: Regulatory Compliance and Course Recap

- Understanding regulatory requirements in the water industry.
- Recap of key concepts and learning points.
- Q&A session and discussion on practical applications.

TRAINING CERTIFICATE

MAESTRO CONSULTANTS Certificate of Completion for delegates who attend and complete the training course

METHODOLOGY

Our courses are highly interactive, typically taking a case study approach that we have found to be an effective method of fostering discussions and transferring knowledge. Participants will learn by active participation during the program through the use of individual exercises, questionnaires, team exercises, training videos and discussions of “real life” issues in their organizations.

The material has been designed to enable delegates to apply all of the material with immediate effect back in the workplace.