

Water Treatment for Boilers and Chilled Water Systems



NTT's *Water Treatment for Boilers and Chilled Water Systems* course provides a comprehensive understanding of water treatment principles tailored for industrial boilers and chilled water systems. Participants will learn the critical importance of water chemistry, the prevention of scaling, corrosion, and carryover, and the proper operation of water treatment equipment.

This one-day course equips attendees with practical knowledge to enhance system efficiency, ensure safe operation, and prolong the life of industrial equipment.

This class can be added to NTT's *Boilers: A Technical and Operational Workshop* and *Chillers: Operation & Maintenance of Chilled Water Systems* courses.

WHAT THIS COURSE COVERS

- Principles of Water Chemistry and Its Role in Industrial Systems
- Key Challenges in Water Treatment, Including Scaling, Corrosion, and Carryover
- Methods of Pre-Treatment and Internal Treatment for Water Systems
- Monitoring and Maintaining Water Quality Standards
- Detailed Exploration of Water Treatment Equipment: Softeners, Deaerators, and Reverse Osmosis Systems
- Quality Management for Open Chilled and Closed-Loop Water Systems

WHO SHOULD TAKE THIS

- Internal Company Role That Makes Decisions on Water Treatment Methods and Practices
- Any Individual Worker Tasked With the Water Treatment of Their Facility
- Boiler Operator
- Chiller Operator
- Maintenance Tech and Management
- Operations Manager
- Building Operators / Maintenance / Superintendent
- Chief Maintenance Engineer

COURSE OUTCOMES

As a Result of Completing This Course, Learners Will Be Able To:

- Protect Your Equipment Investments Through Necessary Water Treatment Methods
- Enhance the Reliability of Water Treatment Equipment Through Proper Operation and Maintenance
- Maximize Equipment Life by Taking Corrective Action Based on Water Treatment Reports
- Improve Overall System Efficiency Through Managed Blowdown and Heat Recovery Solutions
- Improve Boiler and Chiller Performance Through Proper Water Quality Management

COURSE FEATURES

- Step-by-Step Instructor-Led Demonstration of Onsite Water Testing, Including pH, Hardness, Conductivity/TDS, Dissolved Oxygen (DO), and Oxidation-Reduction Potential (ORP)
- Interactive Exercise Using 3D Graphics of Boilers and Water Treatment Systems
- Q&A Sessions for Personalized Insights and Instructor Guidance



Lecture

Hands-on



ONSITE: 1-days (8 hours)



LIVE ONLINE: 1-Days (8 hours)



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