



CLASS AGENDA

Boiler Basics

Understanding boilers & their uses

Combustion & Heat Transfer

Understanding the different types of combustion and heat transfer in a boiler

Burners & Fuel Trains

Discussion on the types of burners utilized and the components of fuel trains

Dangers & Prevention

Discussion and case studies on the importance of the operator to maintain a safe boiler and boiler room equipment

Controls & Safety Devices

Discuss the types of controls and safety devices, their purposes and their code requirements

Operations Safety and Testing

Discussion of the responsibilities of a boiler operator, including various daily, weekly, & monthly checks and tests

Sequence of Operation

Discussion outlining the sequencing of various controls during start-up, pre-purge, ignition, run operation, and shut-down

Inspection & Planned Maintenance

A walk-through the inspection process and what to look for, as well as an understanding of planned maintenance and how it could benefit safety and efficiency

Boiler Efficiency

An in-depth discussion around the different areas where efficiency can be capitalized

Troubleshooting

A discussion of common troubleshooting scenarios, identification, and resolutions