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## Steam Boiler Operation, Maintenance & Troubleshooting

**Course Description:** This course covers all facets of good boiler care. Boiler auxiliaries, combustion equipment, and water treatment systems are explained in detail. In addition to covering boiler basics, attendee's will learn how to reduce fuel consumption and costs, recognize potential safety hazards, gain insight on how to eliminate common boiler system problems, and gain improved troubleshooting skills.

### **Prerequisites:**

**Textbook:** Boiler Operators Workbook

### **Learning Objectives:**

- Explain basic system fundamentals
- Describe boiler construction and code requirements
- Describe steam pressure controls and how they work
- Describe water level controls and how they work
- Discuss corrosion prevention
- Identify fuel systems
- Explain burner tuning
- Describe what to look for in boiler inspections
- Discuss common boiler repairs
- Discuss boiler plant safety practices