

Sponsored by



Heat Transfer Products For Industry

Boiler Operator Training

August 7-11, 2017 (RSVP by 07/11/17)

5141 Forsyth Commerce Rd.
Orlando, FL 32807
(407) 373-0042

\$1,500 per person

RSVP Early, Spacing Limited to 20



Instructor

Byron D. Nichols

Thermal Systems Training, LLC

Biographical information:

Over 30 years of hands-on power plant operation and management experience.

Graduate of New River Community College – Associate of Applied Science in Process Instrumentation / Electronics.

Graduate of Old Dominion University – Bachelor of Science in Mechanical Engineering Technology.

Registered American Society of Power Engineers Master Chief and Technical Instructor.

Association of Energy Engineers Certified Energy Manager.

Currently serving Virginia Tech as Senior Associate Director of Utilities.

This 5-day course is for Steam Plant Operations, Steam Plant Maintenance Personnel; Steam Plant Supervisors/Managers, Facility Operations/Maintenance Personnel, and anyone associated with energy conversion.

Topics

- **Boiler Theory Principles**
- **Boiler Construction and Design**
- **Steam System Controls**
- **Water Supply Systems and Controls**
- **Water Treatment Systems and Controls**
- **Fuel Systems and Controls**
- **Draft and Flue Gas Systems and Controls**
- **Instrumentation and Control Systems**
- **Boiler Operation and Maintenance**
- **Boiler System Optimization**

“...energy efficiency is one of the most important topics and is discussed throughout the class.”

**4th Annual Training to be held in our
New Training Center at**



Thermal Tech, Inc.
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Previous Student Comments

“This isn’t a give-me course.” “Well worth the time.” “I learned a lot!” “Excellent Course!” “Keeps You involved.”

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Training Outline

Course Base Text: High Pressure Boilers, ATP, 5th edition

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Day 1

Basic Section Overview
Pretest
Review Pretest
Text and Class Material Introduction
Chapter 1, Steam Boilers
Chapter 2, Boiler Systems
Chapter 3, Steam System Fittings
Additional Topics
Homework - read chapters 1–6, read glossary, complete chapters 1, 2, & 3 Exams.

Day 2

Review chapters 1, 2, & 3 Exams
Chapter 4, Steam System Accessories
Chapter 5, Feedwater Systems
Chapter 6, Water Treatment
Additional Topics
Homework - complete chapters 4, 5, & 6 Exams, read chapters 7-9

Day 3

Review chapters 4, 5, & 6 Exams
Chapter 7, Combustion Equipment
Chapter 8, Fuel and Combustion
Chapter 9, Combustion and Boiler Controls
Additional Topics
Homework – complete chapters 7, 8, & 9 Exams, read chapters 10-12.

Day 4

Review chapters 7, 8, & 9 Exams
Chapter 10, Draft Systems
Chapter 11, Instrumentation and Control Systems
Chapter 12, Steam Boiler Operation
Additional Topics
Homework - complete chapters 10, 11, & 12 Exams

Day 5

Review Chapters 10, 11, & 12 Exams
Post test
Comprehensive Course Review (morning)
ASOPE Exam Session (afternoon)

*This Class is a Prep for the
ASOPE Boiler Operator's License*

