



## Course CDI 410

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

### Overview

**Steam Boiler Operation – Course CDI 410** - is a 5-day course providing information on virtually all facets of steam boiler operation, maintenance, and troubleshooting. Common boiler auxiliaries and operating techniques are covered in detail. Safety and efficiency of operation are stressed. Information is included on modern boiler water treatment techniques, construction and repair methods, waste heat recovery, controls fuels, and draft. The training manual includes the latest information on instrumentation and PLC controls systems, variable-frequency drives (VFD's), steam system optimization, reverse osmosis systems, low-NO<sub>x</sub> burners, and boiler start-up and shutdown procedures.

On Friday, the 16<sup>th</sup>, the American Society of Power Engineers (ASOPE) will provide Entry Level 3<sup>rd</sup> class thru Chief Engineering Level testing for those who qualify.

### Topics

- **Boiler Theory and Principles**
- **Boiler Construction and Design**
- **Steam Systems and 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**

**Course Location:** Control Dynamics, Inc.  
201 Wylderose Dr.  
PO Box 509  
Midlothian, VA 23113

**Sponsored By:** Control Dynamics, Inc.  
**Instructor:** Carroll Hooper, P.E., C.E.M.

**To Enroll or for More Information:** **Connie Goodman** – **Phone:** (804) 858-5878  
**Email:** [Connie.Goodman@Control-Dynamics.com](mailto:Connie.Goodman@Control-Dynamics.com)

**Course Dates:** April 12 – 16, 2010

**Registration Deadline:** 3 weeks prior to course date

**Price:** \$1,495.00 – Purchase order or payment required at the time of enrollment. PO, checks & credit cards are acceptable  
**(Exam, Licensing, and Handbook included)**

**Enroll As Soon As Possible – Seating Is Limited**

*Providing Training with the Latest in Process Control Methods & Technologies!*