

# CLEAVER BROOKS SYSTEMS PLUS

## LEVEL 1

**JUNE 5/6  
FOSTER CITY, CA**

**SEPTEMBER 11/12  
SANTA FE SPRINGS, CA**

## THE NEXT LEVEL

**MARCH 13/14  
FRESNO, CA**

**NOVEMBER 13/14  
LIVERMORE, CA**

# BOILER OPERATOR'S WORKSHOP

**APRIL 10/11  
AMERICAN CANYON, CA**

**MAY 1/2  
SANTA FE SPRINGS, CA**

**SEPTEMBER 11/12  
SAN JOSE, CA**

**OCTOBER 4/5  
RENO, NV**

**NOVEMBER 6/7  
MODESTO, CA**

**NOVEMBER 20/21  
FRESNO, CA**

## CLEAVER BROOKS SYSTEMS PLUS / \$525

### Level 1: Operations, Safety, Reliability and Efficiency

This two-day course is designed for Boiler Operators, Maintenance Personnel and front line Supervisory Personnel. The class reviews what a boiler is, how it operates and what ancillary equipment is required to support its operation. Additionally, the program stresses safety and the proper operating practices required to maximize efficient, safe and reliable service of the equipment.

## CLEAVER BROOKS ADVANCED SYSTEMS PLUS / \$575

### The Next Level Training

Using the information provided in the Level 1 training as a base, the advanced course emphasizes boiler evolution and applications, control schemes, burner advances, energy conservation, emissions, system reliability and as always safety. This course includes a more in depth understanding of boilers and how they can be successfully applied to all processes as well as how energy can be saved through retrofit options and controls. The program extends out into the plant to include key components of steam distribution and condensate returns. Attendees should have taken the Level 1 Course - or have equivalent experience.



## TWO-DAY BOILER OPERATORS WORKSHOP / \$795

This two-day training workshop is designed for maintenance, plant, stationary or mechanical engineers as well as maintenance personnel who are responsible for new or repair, and troubleshooting of boilers. However, anyone seeking a basic working knowledge of boiler room equipment, with select hands-on instruction will benefit from this class. CWEA & AFE Certified.

### REGISTER ONLINE!

[www.rfmacdonald.com/training](http://www.rfmacdonald.com/training)



**R.F. MacDonald Co.**

*your boiler & pump solutions team*

*~ since 1956*

BOILERS

PUMPS

SYSTEMS

SERVICE

PARTS

# BASIC PUMP & MECHANICAL SEAL TRAINING

**FEBRUARY 14/15  
SANTA FE SPRINGS, CA**

**MAY 22/23  
SAN LUIS OBISPO, CA**

**SEPTEMBER 11/12  
FREMONT, CA**



# HANDS ON PUMP WORKSHOP

**APRIL 24/25  
FRESNO, CA**

**JULY 17/18  
HAYWARD, CA**

**OCTOBER 16/17  
SANTA FE SPRINGS, CA**



## **BASIC PUMP & MECHANICAL SEAL TRAINING / \$549 Two-Day Classroom Training**

Basic Pump and Mechanical Seal Training is a two-day class on centrifugal and positive displacement pumps and seal fundamentals, installation, operation and new developments.

The two-day course covers basic pump types and hydraulics, seal design and installation, as well as great tips on the do's and don'ts of pump installation and operation. The format includes lecture and interaction with the class. Many field examples with photos are used along with actual pumps and seals to enhance the learning process. CWEA & AFE Certified.

## **HANDS ON CENTRIFUGAL PUMP WORKSHOP / \$995 Two-Day Training with Hands On Workshop**

This two-day course is designed for Maintenance and Operator Personnel who are responsible for repair and troubleshooting of Centrifugal Pumps and Mechanical Seals, as well as Engineers that want to have Hands-On experience for installation and repair. CWEA & AFE Certified.

Total time for the course is sixteen hours. There will be a one hour overview on the basic components of a centrifugal pump and its function. The course is conducted in a classroom / shop environment. There will be pump stations with two students assigned to each station for maximum hands-on learning, therefore class size is limited.

**REGISTER ONLINE!**  
[www.rfmacdonald.com/training](http://www.rfmacdonald.com/training)

 **R.F. MacDonald Co.**  
*your boiler & pump solutions team*  
*~ since 1956*

BOILERS

PUMPS

SYSTEMS

SERVICE

PARTS