

2019 TRAINING SCHEDULE

BOILERS | PUMPS | COMPOSITES | RENTAL | SYSTEMS | SERVICE | PARTS

BASIC PUMP & MECHANICAL SEAL

FEBRUARY 5/6
SANTA FE SPRINGS, CA

MARCH 5/6
HAYWARD, CA

MAY 7/8
RENO, NV

NOVEMBER 12/13
FRESNO, CA

BASIC PUMP & MECHANICAL SEAL / \$800

This two-day class focuses on centrifugal and positive displacement pumps and seal fundamentals, installation, operation and new developments. The 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. Many field examples with photos are used along with actual pumps and seals to enhance the learning process. The class is lecture format. CWEA & AFE Certified.



HANDS-ON PUMP WORKSHOP

FEBRUARY 20/21
LAS VEGAS, NV

APRIL 9/10
SACRAMENTO, CA

JULY 16/17, 18/19
HAYWARD, CA

SEPTEMBER 17/18, 19/20
SANTA FE SPRINGS, CA

OCTOBER 15/16
RENO, NV

DECEMBER 3/4
ROHNERT PARK, CA

HANDS-ON PUMP WORKSHOP / \$1,500

This true hands-on 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. The course is conducted in a shop classroom environment with two students assigned to each pump station for maximum hands-on learning. Therefore, class size is limited. CWEA & AFE Certified.

Custom, On-Site Training Available

Contact your local R.F. MacDonald Co. office to arrange customized training for your specific needs.

rfmacdonald.com

REGISTER ONLINE!

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R.F. MacDonald Co.

your boiler & pump solutions team

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25920 Eden Landing Road
Hayward, CA 94545
510.784.0110

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CLEAVER-BROOKS SYSTEMS PLUS

LEVEL 1

OCTOBER 1/2
SANTA FE SPRINGS, CA

NOVEMBER 5/6
HAYWARD, CA

LEVEL 2

April 2-3
SANTA FE SPRINGS, CA

BOILER OPERATOR'S WORKSHOP

MARCH 19/20, 21/22
MODESTO, CA

APRIL 9/10, 11/12
RENO, NV

MAY 14/15, 16/17
SANTA FE SPRINGS, CA

JUNE 4/5, 6/7
HAYWARD, CA

JULY 16/17, 18/19
SAN DIEGO, CA

SEPTEMBER 24/25, 26/27
FRESNO, CA

OCTOBER 22/23
BAKERSFIELD, CA

CLEAVER-BROOKS SYSTEMS PLUS / \$750

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 / \$850

Level 2: 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 safety. This course includes an 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 into the plant to include key components of steam distribution and condensate returns. Attendees should have taken the Level 1

BOILER OPERATOR'S WORKSHOP / \$1,150

This two-day workshop is designed for maintenance, plant, stationary or mechanical engineers as well as maintenance personnel who are responsible for new installation or repair 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.



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