

Operators Quarterly

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Essentials for Water and Wastewater Operators

In these uncertain economic times, finding adequate travel money to attend classes is more difficult than ever. One way of addressing this problem is to experiment with distance delivery training whereby people from different areas of the state can attend a class in their area as opposed to driving or flying to where the class is being offered. Distance delivery is a method of delivering training from a central location to multiple sites utilizing technology similar to watching a movie screen but with interactive components.

Brown Environmental will deliver its first ever distance delivery class, entitled 'Essentials for Water and Wastewater Operators, on June 17th at three locations. Twin Falls will be the origination point of the class, there will be a dedicated classroom on the BSU Canyon County Campus and a third at the University of Idaho in Moscow. Because of time zone issues, the classes in Twin Falls and Boise will run from 8:30 am to 4:30 pm and the Moscow class will run from 7:30am to 3:30 pm. Breaks will be catered with refreshments for each classroom. Ross Spackman, CSI, will be instructing the class which will cover water math, pump types, pump curves, water law, hydrology, hydraulics, physics and water quality.

Please come and help us evaluate this alternative training delivery system. Let us know what you think!

Cross Connection Workshop at Craters of the Moon

On July 16th, Brown Environmental will be offering a workshop on Cross Connection Control located at the Craters of the Moon National Park. Bill Thompson will be instructing the class which will include hands-on application of cross control technology. This will be an opportunity to see various cross connection control devices at work in the new cross connection trailer. Lunch will be catered at the site, hosted by the National Park and BE, Inc. A picnic!

Please come and enjoy an important and practical class in unusual surroundings. The class is free and approved for 0.7 water or wastewater CEUs.

Water/Wastewater Lending Library

Don't forget to take advantage of the water/wastewater books available through the Lending Library at the Brown Environmental office. Several new volumes of California State University, Ken Kerri manuals have been added and some new Water Environment Federation (WEF) study guides as well. View the list on the website www.idahooperatortraining.com. Each book may be checked out for a month with additional time available upon request. These books are very handy resources when studying for licensure exams and they are free to lenders, making them even more of a bargain. Call 1-800-543-4358 or 208-465-5725, in the Boise valley and check one out today!

SIGN UP FOR A WORKSHOP TODAY...

Drinking Water 101

FREE

0.7 W CEUs

July 1, Pocatello

This class is designed for both water treatment operators and water system management and will assist them in understanding Idaho drinking water regulations and complying with the Safe Drinking Water Act. Skip Rand and Jim Phillips will dive into the drinking water regulations and compliance pool with the attendees of this class. Participants will gain knowledge of drinking water regulations and compliance to take back to their system. Is your system financially prepared to cover rising water testing costs?

Be prepared to participate in group exercises and discussions that will build your knowledge of the SDWA and prepare your system for future compliance.

Pumps and Motors

FREE

1.4 W/WW CEUs

July 14-15, Soda Springs • July 28-29, Sandpoint

Ross Spackman, PhD has designed this two-day course for persons involved in the operation and maintenance of mechanical equipment in water and wastewater treatment plants and pump stations. Hands-on lab exercises and troubleshooting simulations will be part of the class. Reading and interpreting pump curves will also be covered. Bring your calculator to practice working simplified math problems pertinent to pumps and motors.

Cross Connection Control, Basic FREE

0.7 W/WW CEUs

July 16, Craters of the Moon • November 3, Caldwell

This very timely workshop will outline the requirements of water purveyors in developing a cross connection program. Bill Thompson, a certified cross-connection instructor, will address all of the elements that are essential for a safe control program.

Bill will cover the various types and applications of CC devices. A discussion of the Pacific Northwest codes, as well as how to develop and enforce an ordinance will also be addressed. Case studies will highlight the importance of implementing and maintaining a written program.

The workshop at Craters of the Moon is special this year. Bill Aierstuck has offered to prepare a picnic lunch for all of us! He also will show their wells and voltaic batteries as part of the class. This will be a great time!

Collections Systems I & II Licensure Review

\$70

1.4 WW CEUs

September 9-10, Coeur d'Alene

This workshop taught by Victor Coles will provide training and review for both collection system certification and day-to-day activities. Collections system maintenance discussions will include the causes and effects of hydrogen sulfide, oxygen deficiency, trench safety, and confined space entry. This exam review includes practice tests for Class I & II.

Register today @

www.idahooperatortraining.com

or call 1-800-543-4358

or 465-5725 in the Boise Area

Collections Systems III & IV Licensure Review

\$70 Wastewater I & II Licensure Review **\$70**

1.4 WW CEUs

August 11-12, Boise

Topics in this certification review class, taught by Victor Coles, will include such items as communications; safety, collection system structural analysis via TV, hydro-cleaner, and hydro-vac use in sewer line maintenance, causes and effects of hydrogen-sulfide gas, trench safety, and confined space entry procedures. The exam review includes practice tests for Class III & IV.

1.4 WW CEUs *August 25-26, Idaho Falls*

This review is designed for beginning and intermediate operators who are preparing for Class I & II wastewater operator exams.

Pat Brown will cover basic treatment plant components, sampling, laboratory, disinfection. Typical practice exams are included throughout this two-day prep. A tour of a secondary plant is included. Bring your calculator!

Disinfection

FREE

1.4 W/WW CEUs

August 18-19, Post Falls

This two-day workshop will discuss water chemistry and chlorine; the theory of how chlorine works; associated math, and waterborne diseases. Chlorination and hypochlorination equipment, safety, and storage will be addressed by Thom Tackman of Process Solutions, Inc. and Pat Brown, B.E., Inc. Coliform sampling, and approved testing for residual and bacteria are included.

This includes a discussion on the pros and cons of ultraviolet light (UV), ozone, and other methods of disinfection. This course is designed for operators of medium and large systems.

Water I & II Licensure Review

FREE

1.4 Water CEUs

September 1-2, Nampa • November 17-18, Jerome

John Marble prepares test takers by reviewing basic math functions, identifying characteristics of life forms and chemicals common to the water industry, and describing regulatory and safety components. Test taking strategies and review are also included.

Simplified Water/Wastewater Analysis

FREE

0.7 W/WW CEUs

September 22, Twin Falls • September 24, Idaho Falls

This one-day class is designed to improve laboratory skills and develop hands-on experience with the testing techniques and parameters commonly used in water/wastewater treatment. Techniques practiced in the hands-on laboratory include pH, dissolved oxygen, and chlorine testing. For each parameter, calibration, verification, measurement, and troubleshooting techniques will be addressed and practiced in laboratory exercises. Analysis of samples and standards will be performed using portable and laboratory instruments.

Leak Detection

FREE

0.7 Water CEUs

September 29, Caldwell • October 1, Paul

Taught by Tom Ruppenthal, this workshop shares different techniques used in the field today to detect and identify leaks in water lines. Learn to identify leaks in various pipe materials by listening to the sound made. Leak detection equipment and the economic impact are discussed. Hands-on exercises and demonstrations make this a very popular workshop!

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THE IDAHO CERTIFICATION AND OPERATION NEWSLETTER

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Conference 2009 Operators of the Year



The Collections Operator of the Year Award was won by Brett Van Brunt from Pocatello.

The Wastewater Operator of the Year was awarded to Tony Samartino who recently retired from the City of Boise. Tony had worked 21 years for the City of Boise.



Lab Operator of the Year was awarded to Brenda Wickham from OMI, City of Twin Falls.

The Operators Quarterly

is a quarterly newsletter dedicated to the training, operation, and licensure concerns of the water and wastewater systems and operators in Idaho. The Operators Quarterly is published to promote the Statewide Drinking Water & Wastewater Operator Training Program. This program is funded by the Department of Environmental Quality. Brown Environmental, Inc. is contracted by the State of Idaho to conduct the statewide training program. Any inquiries about the newsletter or training courses should be directed to Brown Environmental, Inc.

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