

Valves and Hydrants
April 10-11, 2019
Great Falls

Course Instructors:

AE2S

AE2S's primary service is water - meaning water, wastewater, and water resources system consulting. Within these primary services, we offer a total solution by providing master planning, capital improvement planning, design bidding administration, construction administration, and operational services. With offices in Great Falls, Bozeman, Kalispell, and Billings, AE2S is proud to support METC & MSU-Northern in developing the future of water & wastewater operators in Montana.

David Carlson's

(PE and Operations Manager) focus and experience are based around a wide range of municipal drinking water system utility design, construction, and operations. His experience includes system evaluations, engineering design, water quality analysis, construction management, and operational troubleshooting for both horizontal and vertical infrastructure. In addition, Mr. Carlson has experience with water system operations (both treatment and distribution) and utility management.

Additional AE2S Speakers:

Keeley Barry
- Assistance Operations Manager

Nate Weisenburger
- Drinking Water Practice Leader

Ross Hanson
- I&C Regional Manager

Montana Environmental Training Center
MSU-Northern
P.O. Box 7751
Havre, MT 59501



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Presents

Valves and Hydrants
April 10-11, 2019
Great Falls



300 15th St. South Ste. 7
Great Falls, MT



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Great Falls
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WHERE: AE2S
300 15th St. South Ste. 7
Great Falls, MT

WHAT: A two day course explaining what are appropriate valves for water distribution systems including reservoirs and tanks, wastewater collection systems, pump applications, water treatment processes and wastewater treatment process. Also learn how to size, install and maintain hydrants for your distribution system.

NOTE: This course can also be taken for one college credit as a part of MSU-Northern/METC's Water Distribution Certificate program. Current MSU-Northern tuition and fees apply. For more information please contact METC at 406-265-3763.

AGENDA: Wednesday, April 10, 2019

7:30 - 8:00 AM Registration
8:00 Welcome/Course Orientation
8:15 Valves 101: Classifications/Purpose/Types
10:00 **BREAK**
10:15 Valves 201: Water Main Design, Installation Operations

12:00 PM **LUNCH (On Your Own)**

1:00 Automatic Control Valves 101: Types/Applications/Operations
2:00 Pressure Reducing Valves/Meter Pits: Design/Operations/Maintenance
3:00 **BREAK**
3:15 Tour Great Falls Water Treatment Plant
5:00 Questions & Answers/Wrap-up

AGENDA: Thursday, April 11, 2019

8:00 Recap of Previous Day
8:30 Fire Hydrants: Design/Installation/O&M
9:45 **BREAK**
10:00 Water Quality in Distribution Systems
11:00 Corrosion Control for Distribution Systems

12:00 PM **LUNCH (On Your Own)**

1:00 Thrust Restraint for Valves
2:00 Operator Safety in the Water Industry
3:00 **BREAK**
3:15 Metering Systems & AMR
4:00 Tour of Gore Hill Water Tower
5:00 Wrap-up & Adjourn

REGISTRATION FORM

Valves and Hydrants

Great Falls

April 10—11, 2019

REGISTRATION: Please register by March 27, 2019. Registrations cancelled after April 5th will be refunded at 50%. You may call METC 265-3763 for further information.

Send Payment to:
METC
MSU-Northern
P. O. Box 7751
Havre, MT 59501

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Indicate Amount & Method of Payment

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