

Surface Water Treatment Butte January 23 - 24, 2019

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Meet Your Instructors

Chris Erickson has been working as an Environmental Science Specialist with the Montana Department of Environmental Quality. For the past 5 years. He has 8 years of experience working in a large water utility.

Jim Keenan is the Chief Operator of Butte-Silver Bow water treatment which includes the three water treatment plants serving Butte.

Gerard Gernand is a Surface Water System Field Inspector with the Montana Department of Environmental Quality. He has 25 years of experience with regional water systems and rural communities as Assistant Manager, treatment plant operator, and distribution system operator.

Lisa Kaufman is the Surface Water Treatment Rule Manager at the Montana Department of Environmental Quality. Lisa relocated to Montana from Indiana where she worked in the Public Health Sector for 20 years in water quality. She has Bachelor's degree in Biology.

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



The



Presents

Surface Water Treatment Butte January 23 - 24, 2019





Surface Water Treatment

Butte

January 23 - 24, 2019

WHERE: Basin Creek Water Plant – 847 Basin Creek Road - 6 miles south of airport

COURSE FEE: \$ 220

CECs: 1.6 Water

A two day seminar. The first morning will cover surface water basics including TOC, chemistry and monitoring and reporting. Attendees will participate in hands-on jar testing in the afternoon. Water treatment types including new technologies, contaminant specific treatments and disinfection will start out day two. Followed by a tour of the Basin Creek Water Plant's cutting-edge ceramic membrane filtration system, the first of its kind installed in the U.S. Finish out day two learning about DEQ's plan review process, what to ask when choosing an engineer, things operators should know and requirements of public notice.

AGENDA:

Wednesday, January 23

7:30 - 8:00 am **Registration**
 8:00 Surface Water Basics - Kaufman
 9:00 Water Chemistry - Erickson
10:00 Break
 10:15 Water Chemistry - Continued
 11:15 Monitoring & Reporting - Kaufman

12:00 Lunch (On Your Own)
 1:00 TOC Basics - Kaufman
 1:15 Jar Testing Overview - Gernand

1:45 Break
 2:00 Hands-on Jar Testing - Gernand
 5:00 Adjourn

Thursday, January 24

8:00 Water Treatment Types - Gernand
9:30 Break
 9:45 Basin Creek Tour & Discussion - Dennehy
 11:30 Contaminant Specific Treatment - Erickson

12:00 Lunch (On Your Own)
 1:00 Disinfection (including UV) - Kaufman
 1:30 DEQ Plan Review Process - Kaufman

2:15 Break
 2:30 What to Ask When Choosing An Engineer - Kaufman
 3:30 Things Operators Should Know - Kaufman
 4:30 Public Notice - Kaufman
 5:00 Wrap-up and Adjourn

NOTE: Each System should bring 5 gallons of raw water, primary coagulant and information, and a hand held chlorine analyzer if possible.

Surface Water Treatment REGISTRATION FORM Butte January 23 - 24, 2019

PREREGISTRATION: Please preregister as METC must have at least 10 people preregistered for this course in order to avoid cancellation. **Complete and return this form by January 14, 2019.**

A cancelled registration after January 14, 2019 will be refunded at 50%. You may call METC at 265-3763 for further information or to register.

Send Payment to:
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