

Wastewater Lagoon Systems

Missoula

September 12, 2019

Meet Your Instructors

Pete Boettcher, DEQ, has 27 years of experience in wastewater plants and 10 years with DEQ as a compliance inspector and 1.5 years working with operators on technical assistance. He is also certified as a class 1C and 1D wastewater operator in Montana and a class 4 wastewater operator in the state of Michigan.

Lisa-Kay Keen, DEQ MPDES Permitting Program. Lisa-Kay has been a DEQ Compliance Inspector for 13 years. Prior to that she worked with State of Maine DEP for nearly 10 years on surface water discharges and wetland assessments.

Josh Viall, DEQ, Prior to coming to DEQ Josh worked for the city of Havre Wastewater Treatment Facility. He is certified as a class 1C wastewater operator in Montana.

Local Wastewater Lagoon System Personnel.

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GREAT FALLS, MT
PERMIT No. 167

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



presents

Wastewater Lagoon

Systems

Missoula

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Attention: Wastewater utility operators and managers; and others interested in wastewater lagoon systems. This one day workshop is designed specifically for you.



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Missoula

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WHERE: Fair Bridge Inn & Suites
3803 Brooks St.
Missoula, MT 59804

COURSE FEE: \$110 **CECs:** 0.8 Wastewater

AGENDA:

Thursday, September 12, 2019

| | |
|-----------------|---|
| 7:30 - 8:00 am | Registration |
| 8:00 - 8:10 | Welcome & Introduction |
| 8:10 - 10:00 | Basic Lagoons - Design & Operation & Maintenance - Boettcher & Viall, DEQ |
| 10:00 - 10:15 | Break |
| 10:15 - 11:45 | Surface Water & Groundwater Permitting - Lisa-Kay Keen, DEQ |
| 11:45 - 12:45 | Lunch (on your own) |
| 12:45 - 1:45 pm | Table Top Evaluation of Missoula Area Lagoon - Boettcher & Viall, DEQ |
| 1:45 - 3:00 | Troubleshooting Lagoons - Boettcher & Viall, DEQ |
| 3:00 - 3:15 | Break - Travel to Area Lagoon |
| 3:15 - 4:30 | On-site Activity at Area Lagoon -Boettcher & Viall & Lagoon Personnel |
| 4:30 - 4:50 | Review & Discussion |
| 4:50 - 5:00 | Wrap-up and Adjourn |

What:

This seminar is designed for those operating wastewater lagoon systems. It will focus on design issues, performance and compliance. Operators will get hands-on experience with monitoring tools as well as using microscopes to understand biological principles and operational methods for monitoring lagoon processes and troubleshooting.

Bring:

Since participants will be actively involved in evaluating various facets of their lagoon system, they should **bring their lagoon design data** (from their operation and maintenance manual). They should be ready to describe problems they have had or are having with their lagoon system.

REGISTRATION FORM Wastewater Lagoon Systems Missoula

REGISTRATION: Registration is **necessary!** Please complete this form and return it with your payment of **\$110.00** by August 28, 2019. A cancelled registration after August 28, 2019 will be refunded at 50%. Please call METC at 265-3763 for further information.

Mail Registration to:
METC
MSU-Northern
P. O. Box 7751
Havre, MT 59501

NAME _____
ADDRESS _____
CITY _____
ST _____ ZIP _____
PHONE _____
EMPLOYER _____
E-MAIL _____

Indicate Amount & Method of Payment

Amount \$ _____
[] Check # _____
[] PO # _____
[] Credit Card (**preferred method of payment**)
Card Name: [] Master Card or [] Visa
Card #: _____
Security #: _____ (3 numbers on back of card)
Expiration Date: _____
Card Holder Signature: _____
Date: _____