

Agenda

Presented by Tom Fritts

Overview of Onsite Wastewater Treatment Technologies

- Technology and operation of conventional wastewater treatment systems
- Problems with conventional onsite systems
- Recent scientific and technical advances
- Performance-based management of systems

Regulation, Permitting and Sustainability of Onsite Wastewater Treatment Systems

- Federal, Kansas, and local regulation of systems
- Coordinating system regulation with surface and groundwater regulations
- Treatment of systems under LEED certification systems
- Permit requirements and procedures
- Permitting procedures

Evaluating Sites and Setting Treatment Goals

- Evaluating landscape and soil types

Nitrogen and Phosphorus Removal

- Pathogen removal
- Mapping the site

Conventional Treatment System Selection and Design

- Factors for selecting and sizing systems
- Design considerations
- System performance
- Initial system design

Alternative and Sustainable Treatment Technologies

- Aerobic treatment systems
- Peat biofilter wastewater treatment systems
- Drip dispersal wastewater disposal systems
- Fixed-activated sludge treatment
- Recirculating sand filters
- Trickling filters
- Sequencing batch reactors
- Vegetated submerged beds
- Evapotranspiration
- Enhanced nutrient removal
- Stabilization ponds and constructed wetlands

Management Program for Onsite Wastewater Treatment Systems

- Monitoring of systems
- Developing maintenance plans
- Inspection procedures
- Repair options

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Kansas Onsite Wastewater Treatment System Design, Construction and Maintenance
Live, Interactive Webinar - Friday, April 29, 2022

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PO Box 278
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Learning Objectives

You'll be able to:

Explore recent technical advances in onsite wastewater treatment technologies.

Comply with federal, Kansas and local regulations, and discuss permit requirements and procedures.

Discuss nitrogen, phosphorus and pathogen removal.

Review factors for selecting and sizing conventional treatment systems.

Consider alternative and sustainable treatment technologies, including aerobic treatment systems, peat biofilter systems, trickling filters and enhanced nutrient removal.

Develop management programs to keep onsite systems functioning.



HalfMoon Education Live Webinars

Kansas Onsite Wastewater Treatment System Design, Construction and Maintenance

Live, Interactive Webinar - Friday, April 29, 2022



Explore the technology and operation of onsite wastewater treatment systems

Select and size conventional treatment systems

Compare alternative treatment technologies

Discuss federal, Kansas and local regulations and permit requirements

Develop management programs for onsite wastewater treatment systems

Evaluate sites and set treatment goals

Continuing Education Credits

Professional Engineers
6.5 PDHs

International Code Council
Pending

Architects
6.5 HSW CE Hours
6.5 AIA LU | HSW



Faculty

Tom Fritts *Vice President, Residential Sewage Treatment Company (RSTC)*
Mr. Fritts is vice-president of Residential Sewage Treatment Company, Inc., in Grandview, Missouri, where they design, sell and service alternative onsite wastewater systems. He is past president of the Missouri Smallflows Organization (MSO), the Kansas Small Flows Association (KSFA) and the National Onsite Wastewater Recycling Association (NOWRA). He is an approved instructor for NOWRA, the Consortium of Institutes for Decentralized Wastewater Treatment, and for several states across the country. Mr. Fritts is the 2016 recipient of the NOWRA “Dick Otis Industry Achievement Award” and the 2015 Kansas Small Flows Association “Raymond Peat Industry Achievement Award.”

Webinar Information

Log into Webinar 8:00 - 8:30 am CDT	Break 12:00 - 1:00 pm CDT
Morning Session 8:30 am - 12:00 pm CDT	Afternoon Session 1:00 - 4:30 pm CDT

Tuition
\$319 for individual registration
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Cancellations: Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar or the self-study package. You may also authorize another person to take your place.

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Additional Learning

- Practical Site Engineering**
- Fri, April 1, 2022 | 8:30 am - 4:30 pm CDT

Parking Structure Design, Construction, and Maintenance
- Mon, April 4, 2022 | 8:00 am - 3:30 pm CDT

Floodplain Modeling, Mapping and Regulation
- Tues, April 5, 2022 | 10:00 am - 2:00 pm CDT
- Wed, April 6, 2022 | 10:00 am - 2:00 pm CDT

The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care
- Fri, April 8, 2022 | 9:00 am - 4:30 pm CDT

International Building Code 2021
- Tues, April 12, 2022 | 8:00 am - 4:00 pm CDT

Structural Forensic Engineering
- Tues, April 19, 2022 | 9:00 am - 3:50 pm CDT

Boundaries and Easements
- Wed, April 20, 2022 | 11:00 am - 2:15 pm CDT
- Thurs, April 21, 2022 | 11:00 am - 2:15 pm CDT
- Low Impact Development**
- Wed, April 20, 2022 | 10:00 am - 2:00 pm CDT
- Thurs, April 21, 2022 | 10:00 am - 12:45 pm CDT

Managing Construction with AIA Document A201: General Conditions
- Thurs, April 21, 2022 | 9:00 am - 4:30 pm CDT

Onsite Wastewater Treatment Systems: Innovations, Commercial and Cluster Systems
- Mon, April 25, 2022 | 8:30 am - 4:00 pm CDT

Decentralized Onsite Wastewater Treatment Systems: Ongoing Innovation for the 21st Century
- Tues, April 26, 2022 | 8:45 am - 5:00 pm CDT

Shoreline Protection - Lakes, Ponds and Other Inland Waters
- Tues, April 26, 2022 | 8:30 am - 4:30 pm CDT
- For more information and other online learning opportunities visit: www.halfmoonseminars.org

Continuing Education Credit Information
This webinar is open to the public and offers 6.5 PDHs to professional engineers, and 6.5 HSW contact hours to architects in Kansas. Educators and courses are not subject to preapproval in Kansas.

Engineers and architects seeking continuing education credit in other states will be able to apply the hours earned at this event, in most cases. Refer to specific state rules to determine eligibility.

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA CES.

The International Code Council has approved HalfMoon Education as a Preferred Provider of continuing education (No. 1232). Course approval is pending in the specialty area of Sitework.

Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

Completion certificates will be awarded to participants who complete this event, respond to prompts and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Added Value:
Enhance your learning - a recording of this webinar will be available for attendees to stream online for two weeks after the program date.
(Must attend live webinar to earn live webinar credits)

Registration

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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
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Fax: 715-835-6066	Code:	Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		() I need special accommodations. Please contact me.
Complete the entire form. Attach duplicates if necessary.		
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