

Agenda

Presented by Tom Fritts

Introduction to Onsite Wastewater Treatment Systems

- Three main sources of wastewater
- Common contaminants in wastewater
- Blackwater vs greywater
- Aerobic and anaerobic conditions
- Oklahoma federal, state and local regulations
- Current state and future of onsite wastewater

Septic Tanks

- Function of septic tanks
- Septic tank appurtenances
- Material and quality of tanks

Soil and Site Evaluation

- Soil classification
- Landscape position
- Long term acceptance rate (LTAR) of soil
- Linear loading rate (LLR) of soil

Aerobic Treatment Units (ATU)

- History of residential ATU's
- How residential ATU's function
- Hydraulic and organic sizing
- Different types of ATU's

Choosing the Correct System to Fit the Site

- Review gravity flow options
- Review pressure flow options
- Educate the customer
- Learn the "Onsite Café Menu"

Wastewater Drip Irrigation

- History of drip irrigation
- Drip irrigation benefits
- Components
- Sizing a drip irrigation system

Can't Attend?

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Oklahoma Wastewater Collection and Treatment System Design

Live, Interactive Webinar - Friday, June 11, 2021

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Learning Objectives

You'll be able to:

Identify common contaminants in wastewater, and evaluate treatment techniques.

Comply with Oklahoma, federal, state and local onsite wastewater regulations.

Evaluate types of septic tanks and appurtenances.

Consider site soil and its long-term acceptance rate (LTAR).

Explore the function of aerobic treatment units.

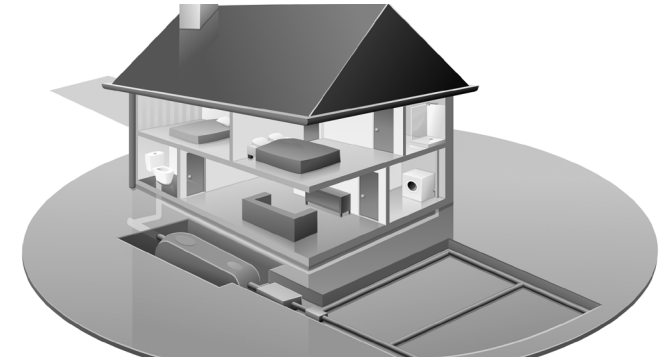
Examine gravity and pressure flow options.

Learn about the benefits of wastewater drip irrigation systems.



HalfMoon Education Online Learning Oklahoma Wastewater Collection and Treatment System Design

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Explore federal, state and local regulations of wastewater treatment systems

Assess the function of septic tanks and discuss materials and appurtenances

Evaluate the soil, the site and landscape position of a wastewater treatment system

Learn how aerobic treatment units work

Discuss wastewater drip irrigation system

Continuing Education Credits

Professional Engineers

6.5 PDHs

Architects

6.5 HSW CE Hours

AIA

6.5 LU | HSW

International Code Council

.65 CEUs (Sustainability)

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Continuing
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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 11:55 am - 12:25 pm CDT
Morning Session 8:30 - 11:55 am CDT	Afternoon Session 12:25 - 3:50 pm CDT

Tuition
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Additional Learning

Water Conservation and Reuse for Building Professionals
- Thurs, May 13, 2021 | 11:00 am - 3:00 pm CDT
- Fri, May 14, 2021 | 11:00 am - 3:00 pm CDT

Sustainable Site Design
- Wed, May 19, 2021 | 8:30 am - 3:50 pm CDT

Septic System Design, Construction and Maintenance
- Thurs, May 20, 2021 | 8:30 am - 4:30 pm CDT

Handling Ethical Issues Associated with Defects and Failures
- Fri, May 21, 2021 | 11:00 am - 12:00 pm CDT

How To Design Stormwater Management Systems for Residential Sites
- Thurs, May 20, 2021 | 11:00 am - 1:00 pm CDT

Deep Dive into Water Infiltration in Soil
- Fri, May 21, 2021 | 11:00 am - 1:00 pm CDT

Managing Construction Projects
- Fri, May 21, 2021 | 8:30 am - 4:30 pm CDT

Retaining Wall Design and Slope Stabilization Techniques
- Tues, May 25, 2021 | 8:30 am - 4:30 pm CDT

Stream Restoration for Design Professionals
- Wed, May 26, 2021 | 9:00 am - 4:30 pm CDT

Introduction to HEC-HMS Modeling
- Thurs, May 27, 2021 | 8:30 am - 3:50 pm CDT

Structural Design Loads under the ASCE 7 Standard
- Thurs, May 27, 2021 | 8:30 am - 5:00 pm CDT

2021 International Residential Code: Residential Mechanical Systems
- Thurs, May 27, 2021 | 11:00 am - 3:30 pm CDT

For more information and other online learning opportunities visit:
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Continuing Education Credit Information
This webinar offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects licensed in Oklahoma. Educators and course are not subject to preapproval in Oklahoma.

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 this event for .65 CEUs in the specialty area of Sustainability (Preferred Provider No. 1232).

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

Registration

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