

# Agenda

## Overview of Onsite Wastewater Treatment in Texas

J. Blount

- History of onsite system regulation in Texas
- Number and type of systems installed yearly in Texas
- Status of proposed rule changes and significant changes proposed
- Statutory changes that will impact the onsite wastewater industry

## Regulations and Permitting of Onsite Wastewater Treatment Systems

J. Blount

- Federal, Texas and local regulation of systems
- Working with the Texas Commission on Environmental Quality and authorized agents
- Coordinating system regulation with surface and groundwater regulations
- Permitting requirements and procedures

## Evaluating Sites and Setting Treatment Goals

J. Blount

- Site evaluation process - analyzing the receiving environment
- Evaluating landscape and soil types
- Treatment/removal of nitrogen and other pollutants
- Mapping the site for soil types, floodplain status and site drainage

## Conventional Treatment System Selection and Design

J. Blount

- Selection criteria for treatment system
- Selection criteria for disposal systems
- Types of standard systems - selecting and sizing systems
- Understanding BOD FOG and TSS

## Alternative and Sustainable Treatment Technologies

A. Jantrania

- Aerobic treatment systems
- Spray irrigation and drip irrigation disposal systems
- Recirculating sand filters
- Non-standard systems
- Enhanced nutrient removal

## Management Program for Onsite Wastewater Treatment Systems

A. Jantrania

- Monitoring of systems
- Developing maintenance plans
- Inspection procedures
- Repair options
- Treatment of systems under LEED certification systems

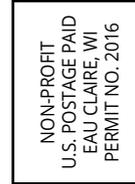


### Save up to 31% on Tuition!

Maximize your savings with Continuing Education Credit Packages and Knowledge Points. Visit [halfmoonseminars.org](http://halfmoonseminars.org) and click on "NEW Packages and Knowledge Points" to learn more!

## Texas Onsite Wastewater Treatment Systems: Regulation, Design and Maintenance

Live, Interactive Webinar - Tuesday, October 29, 2024



HalfMoon Education Inc.  
PO Box 278  
Altoona, WI 54720-0278



## Learning Objectives

### You'll be able to:

**Explore** recent scientific and technical advances in onsite wastewater treatment.

**Comply** with federal, Texas and local onsite wastewater regulations.

**Evaluate** sites and set treatment goals.

**Discuss** selection and design of conventional treatment systems.

**Explore** alternative and sustainable treatment technologies, including aerobic treatment systems, drip-dispersal systems and recirculating sand filters.

**Monitor** and **maintain** onsite wastewater treatment systems.



# HalfMoon Education Inc., Your LIVE Education Leader Presents Texas Onsite Wastewater Treatment Systems: Regulation, Design and Maintenance

Live, Interactive Webinar - Tuesday, October 29, 2024



**Explore** the regulation of onsite wastewater systems in Texas

**Coordinate** system regulations with surface and groundwater regulations

**Evaluate** sites and set treatment goals

**Discuss** conventional treatment systems

**Evaluate** alternative and sustainable treatment technologies

**Discuss** enhanced nutrient removal

### Continuing Education Credits

**Professional Engineers**  
6.5 PDHs

**Architects**  
6.5 HSW CE Hours  
6.5 AIA LU | HSW

**International Code Council**  
.65 CEUs (Building)

AIA  
Continuing  
Education  
Provider



# Webinar Information

Online - Tuesday, October 29, 2024

## Log into Webinar

8:00 - 8:30 am CDT

## Break

12:00 - 12:30 pm CDT

## Morning Session

8:30 am - 12:00 pm CDT

## Afternoon Session

12:30 - 4:00 pm CDT

## Tuition

**\$339** for individual registration.

**\$203** per attendee for group registrations of two or more people registering at the same time for the same program.

***That's a savings of 40 percent!***

***Included with your registration:*** PDF seminar manual.

## How to Register

- Visit us online at [www.halfmoonseminars.org](http://www.halfmoonseminars.org)
- Call customer service at 715-835-5900

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit [www.gotowebinar.com](http://www.gotowebinar.com).

**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 on-demand package. You may also authorize another person to take your place.

Learn More and Register:

**[www.halfmoonseminars.org](http://www.halfmoonseminars.org)**

Customer Service (715) 835-5900 Ext. 1

or scan here



# Faculty

## John Blount, P.E., LEED AP, CFM, ENV-SP *Civil Solutions*

Mr. Blount is a 1984 graduate of the University of Houston. After college he served as an Army Corps of Engineers officer on both active and reserve duty, achieving the rank of captain while being stationed in the United States, Republic of Germany and the Republic of Honduras. He has worked in the civil engineering field for 40 years and is a registered professional engineer (Florida, Washington, North Carolina, Wisconsin, Texas, and Maine) as well as a LEED accredited professional, certified flood plain manager (CFM) and Envision sustainability professional (ENV SP). Mr. Blount was employed by Harris County for over 34 years starting as an inspector and advancing to the position of county engineer responsible for 766 employees and over a billion-dollar annual infrastructure program. He previously served on the National Sanitation Foundation (NSF) Joint Wastewater Committee and was previously chairman of the Texas Onsite Wastewater Research Council appointed by the governor. Currently Mr. Blount is principal of Civil Solutions, a consulting engineering firm located in Houston, Texas.

## Anish Jantrania, PhD

*Associate Professor & Extension Specialist at Texas A&M University*

Dr. Jantrania received a B.E. degree in Agricultural Engineering from India, an M.S. degree in Agricultural Engineering from The Ohio State University, and a Ph.D. degree in Agricultural Engineering from Clemson University. He also has an MBA degree from West Virginia University, and he holds a professional engineering (P.E.) license in Texas and Virginia. Dr. Jantrania is an associate professor/extension specialist in the Biological and Agricultural Engineering Department at Texas A&M University. He has over 30 years of experience working in the wastewater industry, both in public and private sectors, with a focus on on-site sewage facilities (septic and aerobic systems), and decentralized wastewater and water systems. Dr. Jantrania's research and extension interests focus on sustainable infrastructure to ensure the availability of clean water to meet society's water demands, and to ensure safe sanitation to protect public health and environmental quality. Before coming to Texas, he worked in Virginia, Massachusetts, and West Virginia. Dr. Jantrania's work in Texas focuses on developing a statewide extension education and research program related to surface and groundwater quality protection with specific emphasis on onsite wastewater treatment and reuse technologies. He has authored and co-authored more than 50 papers, including a book titled *Advanced Onsite Wastewater Systems Technologies* published by CRC Press, and he has delivered more than 100 presentations at local, state, national and international conferences.

## Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See details online for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

# Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers and 6.5 HSW continuing education hours for licensed architects in Texas.

The Texas Board of Professional Engineers and Land Surveyors (TBPELS) and the Texas Board of Architectural Examiners (TBAE) do not pre-approve courses or register providers for continuing education.

The American Institute of Architects Continuing Education System has approved this course for 6.5 HSW LUs (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 Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

## On-Demand Credits

The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:

6.5 HSW LUs (AIA)

# Additional Learning

## Modular Construction and Prefabricated Components: Residential, Multi-Family and Commercial Buildings

- Wednesday, October 9, 2024 | 9:00 am - 3:50 pm CDT

## Natural Fiber Insulation

- Wednesday, October 9, 2024 | 10:00 am - 12:00 pm CDT

## Masonry Veneer Design & Construction

- Thursday, October 10, 2024 | 8:30 am - 4:00 pm CDT

## Special Inspections Under Chapter 17 of the International Building Code

- Thursday, October 10, 2024 | 9:00 am - 5:00 pm CDT

## Construction Contracting

- Tuesday, October 15, 2024 | 9:00 am - 5:00 pm CDT

## 2024 International Building Code: Fire Protection

- Tuesday, October 22, 2024 | 12:00 - 4:30 pm CDT

## Construction Manager at Risk (CMAR) Project Management System

- Tuesday, October 22, 2024 | 9:00 am - 4:00 pm CDT

For more information and other online learning opportunities visit:

**[www.halfmoonseminars.org](http://www.halfmoonseminars.org)**