

LIVESTREAM HIGH STRENGTH COURSE *from Texas A&M AgriLife*

AUGUST 26-27, 2021



Analyzing Wastewater Systems for High Strength and Hydraulic Loading

TCEQ Provider ID 0189, and Course Code 0436



Instructor: Dr. Anish Jantrania

Dr. Anish Jantrania is an Associate Professor/Extension Specialist in the Biological & Agricultural Engineering Department at Texas A&M University. He is based at the Blackland Research & Extension Center in Temple, Texas. Dr. Jantrania has over 25 years of experience working in the wastewater industry, in the public and private sectors, with a focus on On-Site Sewage Facilities (OSSF/septic systems), and decentralized wastewater systems used in areas not served by public sewer.

COURSE INFORMATION

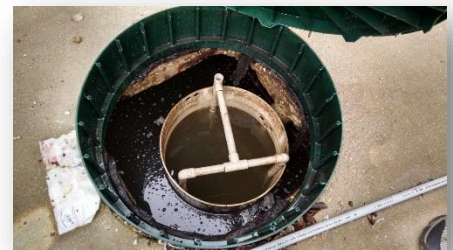
The High Strength Course Wastewater Course will be held LIVE from Texas A&M AgriLife Classroom via Zoom.

- Participants will be able to ask questions and the instructor will interact with participants.
- The 2-day class offers up to 16 CEUs for OSSF licenses and will be reported to TCEQ.
- You must remain logged in and interact on the Zoom link for full credits.
- It is **REQUIRED** to provide correct TCEQ license number and your email that will be used to log in for the ZOOM course.
- Dr. Jantrania will confirm all log in and password information to your email provided once you are registered.

SCHEDULE

DAY 1 | AUGUST 26, 2021 | 9AM-6PM

9AM-9:30AM	Welcome and Overview of the Program
9:30AM-10AM	Onsite/Decentralized Wastewater Treatment Systems Overview
10AM-11AM	Basic Wastewater Terms & Treatment
11AM-12PM	Hydraulic Loading and Examples
12PM-1:15PM	LUNCH
1:15PM-2PM	Organic Loading and Examples
2PM-2:45PM	Reviewing Treatment Trains
2:45PM-3PM	BREAK
3PM-3:30PM	Evaluating Waste Sources-Residential Check list
3:30PM-4PM	Sampling/Monitoring
4PM-4:30PM	Trouble Shooting and Water Quality Sample Analysis
4:30PM-5:30PM	Microscopic Evaluation of Treatment Systems
5:30PM-6PM	Discuss homework assignment and Conclude



DAY 2 | AUGUST 27, 2021 | 9AM-6PM

9AM-9:30AM	Homework Review and Discussion
9:30AM-10:45AM	Evaluating Waste Sources – Commercial Check list
10:45AM-12PM	Flow management with equalization tank, pump and control system
12PM-1:15PM	LUNCH
1:15PM-2PM	High Strength Wastewater Malfunctions and Management
2PM-2:45PM	Regulatory Guidance for High-Strength System Design: Chapters 285 and 217
2:45PM-3PM	BREAK
3PM-4:30PM	Design Examples, Real World Situations, and Problem-Solving Discussion
4:30PM-5:30PM	High Strength Challenges and Opportunities
5:30PM-6PM	Collect evaluations, distribute certificates and conclude the class



REGISTRATION FORM **space is limited to 20 attendees*



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Email completed form to randy@txowa.org or fax to: 409-735-6729.
Mail form with check payment to: TOWA Conference, PO Box 885, Bridge City, TX 77611.

ATTENDEE INFORMATION:

Attendee Name: _____ *Badge name, if different:* _____

Company Name: _____

Address: _____ City: _____ St: _____ Zip: _____

Cell #: _____ Fax #: _____ Email: _____

[all receipts, certificates and login instructions will be emailed]

Please check all that apply to what you do:

- | | | | | |
|--------------------------------------|---------------------------------------|--|---------------------------------------|-------------------------------|
| <input type="checkbox"/> Installer I | <input type="checkbox"/> Installer II | <input type="checkbox"/> Maintenance Provider | <input type="checkbox"/> Apprentice | <input type="checkbox"/> R.S. |
| <input type="checkbox"/> P.E. | <input type="checkbox"/> Regulator | <input type="checkbox"/> Manufacturer/Supplier | <input type="checkbox"/> Other: _____ | |

TCEQ License #: _____ **Must be your **full 9 digit** TCEQ license number (if applicable).*

HIGH STRENGTH WASTEWATER CLASS #04366 – 16hrs:

- \$425 - Early Registration (*Thru August 13, 2021*) \$495 - Registration (*August 14, 2021-August 26, 2021*)

PAYMENT:

CREDIT CARD: Mastercard Visa AMEX Discover

Card #: _____ Exp. Date: _____ *3 or 4 digit CVV Code:* _____

Cardholder Name: _____

Billing Address: _____ City: _____ St: _____ Zip: _____

CHECK/MONEY ORDER: Make all checks payable to: **TOWA** Check #: _____

Mail this form along with your check/money order.

GOVT Agency P.O.'s: Email randy@txowa.org or call 409-718-0645.

REFUND/CANCELLATION POLICY: Must be received in writing to TOWA at the address shown below or emailed to randy@txowa.org by 5PM on 08/13/21, less \$50 admin fee.

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Questions? Email randy@txowa.org or call 409-718-0645.