



AQUAFIX

2024 CATALOG

INNOVATIVE WASTEWATER SOLUTIONS

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RECOVER
OPTIMIZE**



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Kevin Ripp

- Kevin Ripp aka "The Bugman"
Director of Science and Innovation

Welcome to the Aquafix Laboratories.

Welcome to the 2024 Aquafix Catalog. This year, we're excited to present a refined collection of solutions, each crafted to support your journey in wastewater treatment. Our focus on "Diagnose, Recover, and Optimize" is more than a slogan; it's our commitment to enhancing the health and efficiency of your systems.

In these pages, you'll find not just products, but complete solutions. From advanced lab testing that diagnoses your system's unique needs, to powerful products for rapid recovery, and innovative solutions for optimizing performance, we've covered every aspect of wastewater treatment. Our aim is to equip you with the tools you need for sustainable water management.

As we navigate the complexities of biological wastewater treatment, our mission remains clear: to provide you with the best in science-backed solutions. With each product and service, we are dedicated to ensuring your success and advancing the health of our waterways.

Thank you for your trust in Aquafix. Together, we're forging a future where clean water is not just an aspiration but a daily reality.

AQUAFIX LABORATORIES

YOUR GATEWAY TO WASTEWATER EXPERTISE



AQUAFIX
Wastewater Laboratories
University of Wisconsin Research Park



**UNIVERSITY
RESEARCH PARK**
UNIVERSITY OF WISCONSIN-MADISON

Aquafix Laboratories stands as the leading educational resource for wastewater professionals. Fueled by a passion for wastewater science, we are dedicated to empowering professionals in the field. Our laboratory not only helps in identifying and resolving wastewater issues but also serves as a fountain of knowledge, offering:

- An extensive Microorganism Database, a vital tool for understanding and managing the biological aspects of wastewater treatment.
- Engaging and informative webinars, perfect for staying up-to-date with the latest trends and techniques in the industry.
- In-depth case studies that showcase real-world applications and solutions to common and complex wastewater challenges.
- Regular blog posts that provide valuable insights, tips, and updates on wastewater treatment advancements and best practices.

Dive into our world of expertise and let Aquafix Laboratories guide you towards excellence in wastewater treatment. More on page 16.





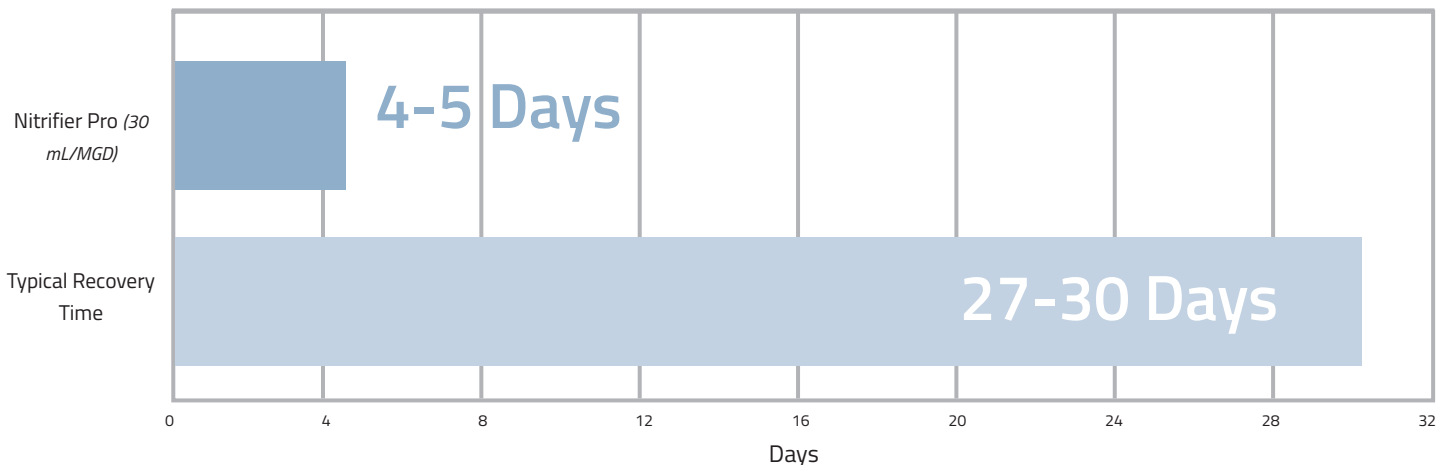
NITRIFIER PRO

Ultra Concentrated

200x Stronger

Guarantees full recovery in as little as

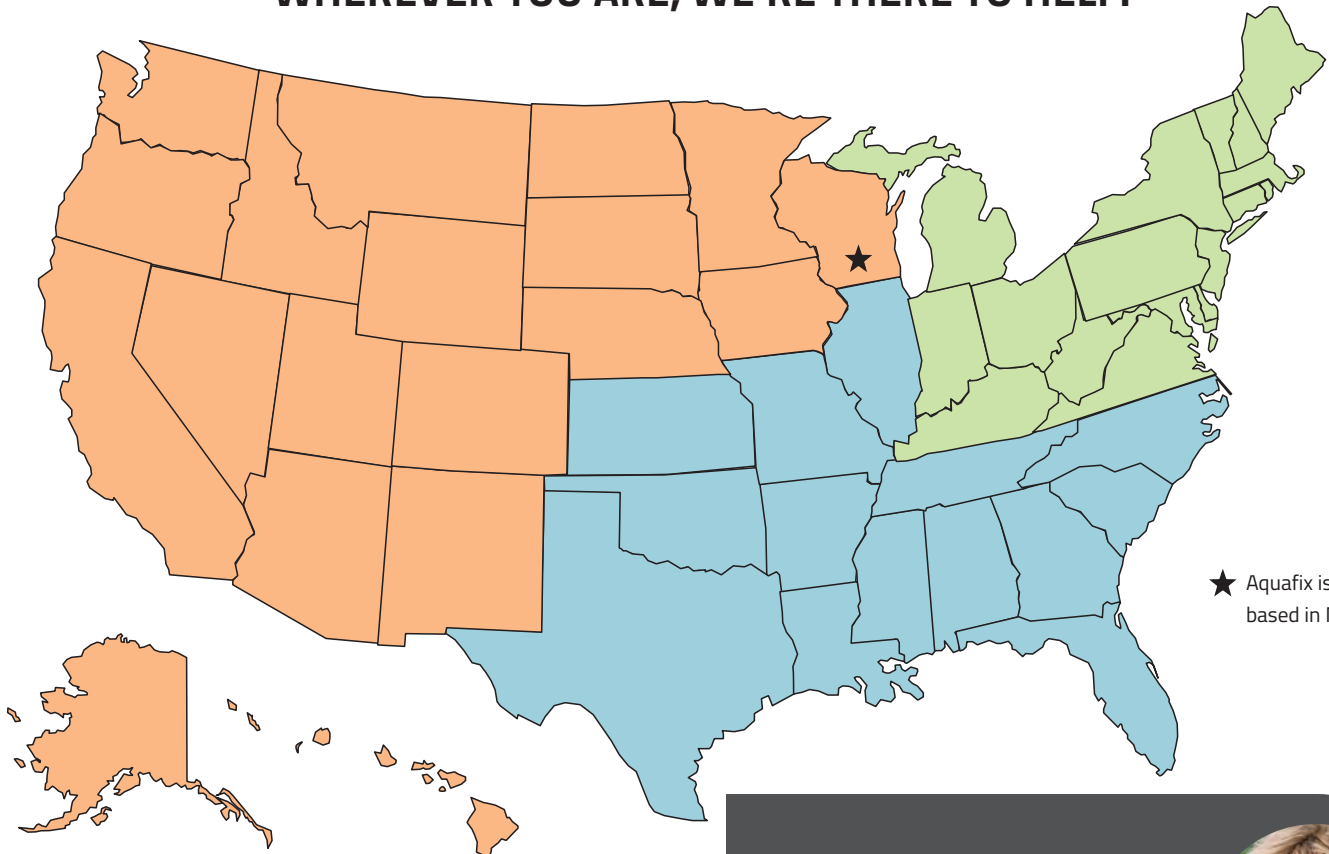
4 days



Check out page 11 for more info

AQUAFIX TECHNICAL SERVICE TEAM

WHEREVER YOU ARE, WE'RE THERE TO HELP.



★ Aquafix is proud to be based in Madison, WI

LISA PHILLIPS

Lisa Phillips collaborates with our customers to help resolve any issues during the ordering process. She builds sustainable relationships and trust with customers through open and interactive communication.



LANDON WIET

Landon Wiet, with a Bachelor of Science from UW Madison, has been a vital part of Aquafix for over 10 years. As the head of our international wastewater division, he applies his extensive expertise to innovate and elevate global wastewater treatment solutions.



DALTON MCGOWAN

Dalton McGowan specializes in wastewater solutions in the northeastern US. With a background in conservation and resource management from the University of Minnesota, Dalton combines a mix of innovative thinking and industry knowledge to tackle the unique challenges wastewater treatment plants face.



TYLER BENZ

Tyler Benz specializes in wastewater solutions for operators in the western and midwest US. With a strong background in biological and environmental sciences from UW-Madison, Tyler's expertise shines in addressing the unique wastewater challenges faced in these regions.



CHRIS GROVE

Chris Grove has been with AquaFix since 2018 and has extensive experience working with industrial and municipal wastewater plants in the southern US. He excels at working with operators to diagnose their issues and optimize their systems and embodies the Aquafix values of creativity and humility with his solutions.



ELIMINATE NUISANCE BUGS

Effectively kill and degrade midge flies and redworms at the source.



REDWORMS & MIDGEFLIES

“This product is phenomenal. It does very good for everything we need it to do. We have these products on hand at all times and they really help prevent the growth, life, and reproduction of red worms and midge flies.”
- Billy (LA)



MIDGE FLY COMPLETE™

AQUABACxt is an EPA-registered biolarvicide for controlling red worms and midge flies in wastewater treatment plants. Red worms protect themselves from AQUABACxt by hiding in fats, papers, fibers, and waxes. Lar-V-Zyme breaks down red worm cocoons, exposing more of the larvae to AQUABACxt.

10 gal Case (5 gal of each) \$590.00

Wastewater Plant Dosing		
Flow Rate Gallons per day	Initial Dose Twice a Week for 4 Week	Maintenance Dose (Weekly)
100,000 GPD	0.5 gal AQUABACxt + 0.5 gal Larva-Zyme	1 pt AQUABACxt + 1 pt Larva-Zyme

DEGRADE AND ELIMINATE GREASE

Tackle grease buildup safely and effectively in your lift station and wastewater plant.



“Greasezilla drastically cut down filamentous bacteria outbreaks in my lagoon system’s manholes.”
- Mitch (WI)



GREASEZILLA™

GreaseZilla is a powerful biological technology that removes the hard, stuck-on grease rings while lowering odors. GreaseZilla is highly effective year-round.

- Lowers BOD in collection systems
- Lowers dangerous H2S levels
- Great for hardened-on grease deposits
- Most effective product on the market

5 gal Case	\$42.00 / gal
55 gal Drum	\$36.91 / gal
275 gal Tote	\$32.80 / gal

Lift Stations, Collection Lines & Sewer Lines		
Flow Rate Gallons per day	Initial Dose Daily for 1-2 Weeks	Maintenance Dose Twice per Week
100,000 GPD	6.5 oz	6.5 oz



FATS, OILS, & GREASE



BUG ON A ROPE®

SET IT AND FORGET IT. Slowly releases two powerful systems of bacteria and nutrients for grease control. Pair with GreaseZilla for your worst lift stations.

- Instant impact pseudomonas center
- Continuous release bacillus shell
- Call for tips on placement for best results

9 lb brick \$170.00

Case of 4 bricks \$595.00

VITASTIM GREASE

VitaStim Grease contains bacterial cultures along with key probiotics for chewing up high levels of grease and fatty acids. The probiotics help to maintain the population of grease digesting bacteria, as well as provide a boost to the native bacteria.

- Works great in wastewater treatment plants, lift stations, or lagoon systems
- Helps in aerobic and anaerobic systems
- 100% active probiotics, does not contain fillers

30 lb Container \$540.00

Bug On A Rope Average Dissolving Rates

Flow Rate Gallons per day	Life Span Replace as necessary
100,000 GPD	4 Weeks

Grease in WWTP, Lift Stations, or Lagoons

Flow Rate Gallons per day	Initial Dose Daily for One Month	Maintenance Dose (Daily)
100,000 GPD	0.5 lb	0.5 lb every other day

CONTROL & ELIMINATE FOAMING

Take down foam fast and target the source to prevent costly cleanups.



"Qwik-Zyme L and Foam Buster helped degrade our greases and reduce foam when added directly in our basins."

- Kyle (CO)



QWIK-ZYME L™

WORKS FAST. Provides a fast way to break down grease and long chain fatty acids that can build up and cause foaming. Use with Foam Buster to accelerate results.

- Mitigate foaming and FOG filament outbreaks
- Improves BOD removal and effluent TSS
- Use anywhere grease builds up such as clarifiers, influent well, or aeration basin, excellent in systems with high loading

5 gal Case	\$42.00 / gal
55 gal Drum	\$33.81 / gal
275 gal Tote	\$30.76 / gal

Microthrix parvicella Foam & WWTP Grease		
Flow Rate Gallons per day	Initial Dose Daily for One Month	Maintenance Dose (Daily)
100,000 GPD	1 qt	1 pt



FOAMING



DEFOAM 3000

DeFoam 3000 is a 100% concentrate defoamer and provides long lasting results.

- Safe for biological processes
- Collapses NON FOG/SOLIDS foam quickly ANYWHERE, not just anaerobic systems
- Contains no emulsions, silicones, or PFAS

5 gal Case \$50.00 / gal

55 gal Drum \$43.09 / gal

275 gal Tote \$42.04 / gal

FOAM BUSTER

Foam Buster is a blend of specialized proteins, free amino acids, and micronutrients which stimulate the floc-forming bacteria to degrade grease, emulsions, and helps them to outcompete the filaments which cause foaming

- Digests short chain fatty acids and the by-products of grease degradation
- Provides key nutrients and stimulants
- Safe and easy to use

30 lb Container \$340.00

50 lb Container, Bulk \$360.00

Wastewater Treatment Plant

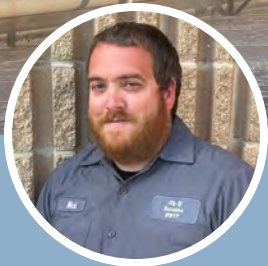
Flow Rate Gallons per day	Dose Rate (Daily)
100,000 GPD	1 pt - 1 qt

Nocardia or *Microthrix* Treatment

Flow Rate Gallons per day	Initial Dose Daily for One Month	Maintenance Dose (Daily)
100,000 GPD	2 lb	1 lb

LOWER AMMONIA NOW

Recover from upset, nitrification loss, and toxicity.



“Biocides from a food processor sent our effluent ammonia to 30 ppm. We recieved Nitrifiers the next day and immediately after adding them ammonia started dropping.”
- Nick (IL)



DYNAMIC DUO™

UNLEASH THE COMBINED FORCE FOR NITRIFICATION. Dynamic Duo brings together a potent mix of Nitrifiers and Ammonia Assimilators, with active bacteria including Nitrosomonas, Nitrobacter, Nitrospira, and heterotrophic nitrifiers. This powerful alliance is specifically designed to boost the growth and reproduction of nitrifying bacteria, offering reliable ammonia control in diverse wastewater scenarios.

2 gal Case (1 of each) \$600.00/case

Dose Rate (Water Temperature Below 60°F/ 15.6°C)	
Flow Rate Gallons per day	Dose Rate Daily for 10 Days
100,000 GPD	30 oz



AMMONIA CONTROL



NEW PRODUCT!

NITRIFIER PRO™

Nitrifier Pro is formulated with an ultra-concentrated blend of heterotrophic and autotrophic bacteria, vital components for rapidly restoring nitrification. Typically, the recovery period for nitrifying bacteria spans at least 30 days. Yet, with Nitrifier Pro, this timeline is reduced dramatically, achieving full restoration of a plant's ammonia removal capabilities in as little as four days — a record turnaround time in Aquafix's history.

- Restores populations of nitrifying and nitrite-reducing organisms
- Guarantees full recovery in as little as 4 days
- Works great in water temperatures as low as 39°F
- 200 times more concentrated than Dynamic Duo

60 mL Bottle \$1,500.00/ Bottle

Dose Rate (Water Temperature Below 60°F/ 15.6°C)

Flow Rate Gallons per day	Initial Dose Daily for 4 Days
1 MGD	90 mL

ORDER 888.757.9577 | ORDERS@TEAMAQUAFIX.COM

MAXIMIZE LAGOON PERFORMANCE

Effectively control algae, sludge, and nutrients to ensure a healthy lagoon.



“With SludgeRx we saw a 2 ft reduction in the sludge over the entire pond within the period of a year which normalized the TSS:BOD ratio and delayed Dredging.”
- Amanda (GA)



SLUDGE RX™

Sludge Rx is 1/10 the cost of dredging. Sludge Rx contains bacteria cultures and key biostimulants to maximize sludge reduction.

- Dramatically reduces sludge
- Lowers ammonia and nitrates
- Prevents phosphorus burps
- Tablet sinks directly to the bottom

30 lb Bag \$490.00

Lagoon Application	
Lagoon Size	Standard Dose (Monthly)
1 Acre	30-60 lb



LAGOON HEALTH



VITASTIM® LAGOON LINE

The VitaStim Lagoon Line products are a blend of bacteria and probiotics that help to lower ammonia and TSS in wastewater lagoons and ponds. Select the one that's best for the water temperature during the season you plan to apply (see details to the right).

VitaStim Summer Slam Above 78°F ... \$615.00

VitaStim Sludge Reducer 65-75°F \$525.00

VitaStim Polar Below 65°F \$555.00

OXYPAKS XL

OxyPaks XL is a biostimulant and sludge digestion accelerator that really kicks the bacteria into overdrive to chew up sludge. Pair with Sludge Rx™ to supercharge sludge-eating aerobic bacteria for even more sludge-degrading activity.

- Clarify water column
- Clean sand filters
- Minimize odors

50 lb Container \$360.00

50 lb Container, Bulk \$310.00

Temperature Based Lagoon Bacteria Supplement	
Lagoon Size	Standard Dose (Daily)
1 Acre	0.5 lb

Oxygen Source for Lagoon Bacteria	
Lagoon Size	Standard Dose (Monthly)
1 Surface Acre	100 lb

UPSET RECOVERY

Start up your plant like a pro and recover from toxicity fast.



“The added nutrients from SmartBOD were exactly what we needed to improve biological activity and growth. We have seen significant improvement in nitrogen removal.”

- Emily (MI)



**NOW AVAILABLE
IN LIQUID!**

SMARTBOD™

SmartBOD offers an advanced food supplement designed to enhance flocculation and cultivate a healthy biomass. Now available in both convenient dry powder and versatile liquid forms, SmartBOD caters to diverse application needs. Whether added by hand, with a screw feeder, or in liquid form, it maintains its effectiveness in building and maintaining a healthy wastewater treatment environment.

- Promotes ammonia and phosphorous removal
- Balanced BOD source
- Highly soluble and easy to use

30 lb Bag (Dry)	\$360.00
55 gal Drum (Liquid)	\$26.00 / gal
275 gal Tote (Liquid)	\$24.00 / gal

Dry Standard Dose - Improve Settling, Get Rid of Filaments	
Water Temperature Above 59°F (15°C)	30 lb Per 1 MGD, Daily

Liquid Standard Dose - Improve Settling, Get Rid of Filaments	
Water Temperature Above 59°F (15°C)	6 gal Per 1 MGD, Daily



FLOC FORMATION



COUNTERQUAT™

CounterQuat is a next generation technology developed to protect wastewater bacteria from toxicity, especially the effects of quaternary amines.

- Protects against chemical toxicity
- Lowers effluent TSS
- Promotes flocculation
- Safe and easy to use

5 gal Case \$46.00 / gal

55 gal Drum \$44.09 / gal

275 gal Tote \$35.89 / gal

REBUILD

VitaStim Rebuild is one of the most effective tools for quickly getting a wastewater treatment plant running again after an upset. This product is also beneficial to the process of starting up a new treatment plant. It contains a combination of specially selected bacteria and biostimulants to accomplish both tasks.

- Recover from toxicity fast
- Improve low F:M conditions, form healthy floc, and clear effluent
- Restores the removal of BOD, ammonia, and phosphate

30 lb Container \$555.00

Recovering From Severe Toxicity

Flow Rate Gallons Per Day	Initial Dose (Daily)	Maintenance Dose (Daily)
1 MGD	10 gal	6 gal

Recovering After Upset

Flow Rate Gallons Per Day	Initial Dose (Daily for 10 Days)	Additional Dose (Daily for 20 Days)
100,000 GPD	1 lb	0.5 lb

AQUAFIX LABORATORIES

At Aquafix, we are passionate about wastewater and the science behind it. Our laboratory offers Microanalysis & Filament Origins Testing, and Anaerobic Soluble Micronutrient Analysis to help our customers identify issues and ensure their success.



"Working with Aquafix has been extremely beneficial. Everything is simple, fast, and the lab reports are in-depth and visual. You couldn't ask for anything more!"
- Abby (CA)



MICROANALYSIS & FILAMENT ORIGINS

- Results within 24-48 hours after sample arrival
- Identification of major and minor filaments
- Precise explanation of filament presence and origin
- Overview of floc structure, sludge age, and oxygen penetration
- Treatment and process recommendations

\$400

PROACTIVE MICROANALYSIS PROGRAM

- Results in 2-3 business days
- 4 pack of Microanalysis and Filament Origins tests, use them at your own pace
- Analysis of the active biomass ratio and biological stress index
- Discover potential upsets before they occur and monitor conditions
- Save \$200 overall

\$1,400



LAB SERVICES

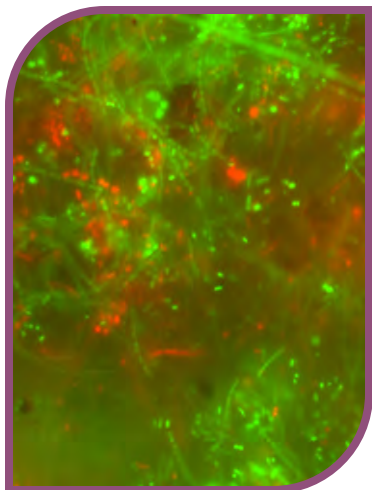


ELEVATE YOUR WASTEWATER EXPERTISE WITH AQUAFIX TEST KITS

Ensure optimal performance of your wastewater operations with our precision-designed test kits. Essential for proactive management, they deliver speed and accuracy when you need it most.

- **Initiate Action:** When changes arise, our kits are your go-to solution for timely issue diagnosis and recovery.
- **Expert Analysis:** Beyond standard testing, our kits delve deep, offering a comprehensive look at your system's intricate dynamics.
- **Prompt Results, Lasting Impact:** Quick turnaround times lead to lasting improvements, with actionable insights and recommendations available in just 48 hours.

LIVE/DEAD CELL ANALYSIS



FLOC STRUCTURE



FILAMENT ID



AQUAFIX WASTEWATER UNIVERSITY 2024

CEU Opportunities

The Latest Research

Free & Easy To Join

Dan McKeaton,
Aquafix Director of Wastewater Education



JANUARY 24	COLD WEATHER EFFECTS ON NITRIFICATION AND AMMONIA REMOVAL
APRIL 17	REDUCING SLUDGE & IMPROVING EFFLUENT IN LAGOON SYSTEMS
JULY 17	WASTEWATER MISCONCEPTIONS
OCTOBER 23	FILAMENT ID & MICROANALYSIS TECHNIQUES

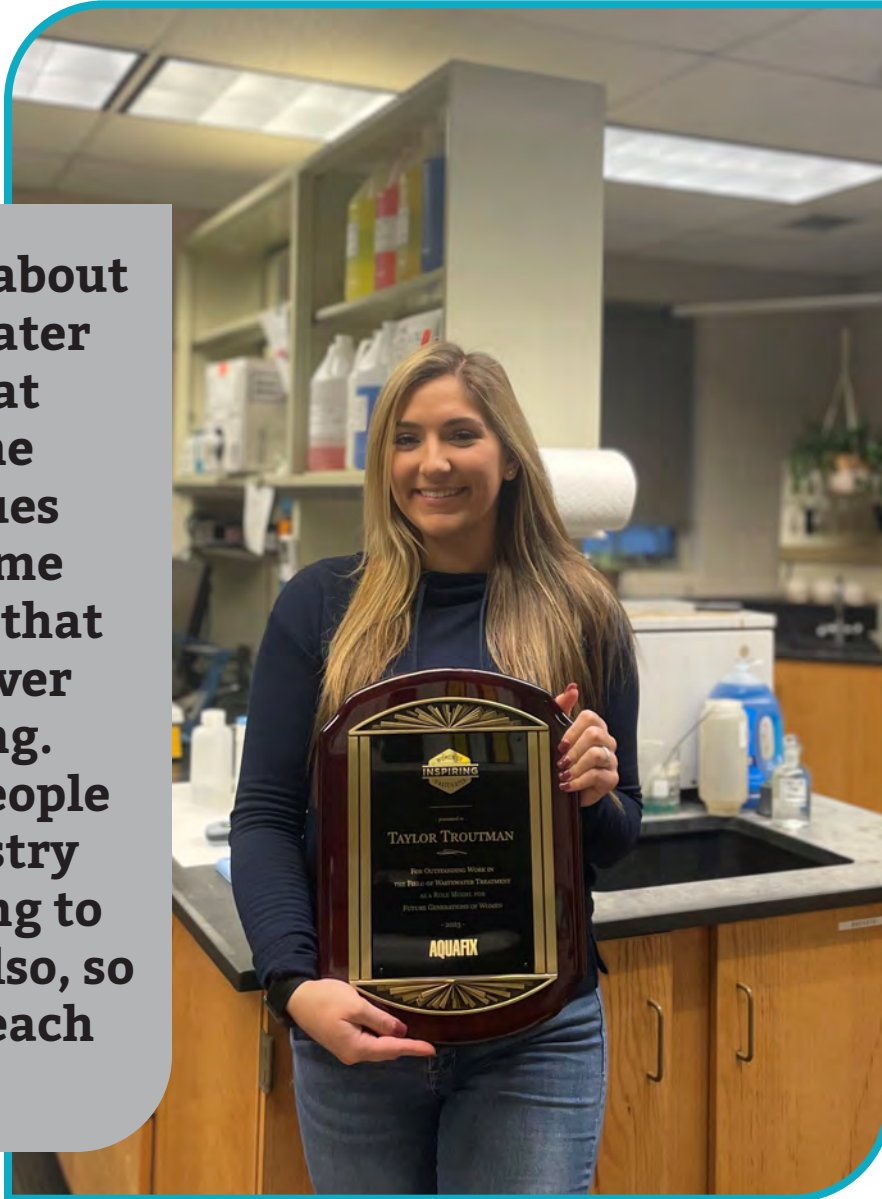
TAYLOR TROUTMAN

Wastewater Operations Specialist, Pennsylvania Municipality
Time in the Industry: 5 years in May!



INSPIRING WOMEN OF WASTEWATER 2023

"One thing about the wastewater industry that surprised me and continues to surprise me everyday is that you never ever stop learning. All of the people in the industry are so willing to learn and also, so willing to teach you."



TELL YOUR STORY

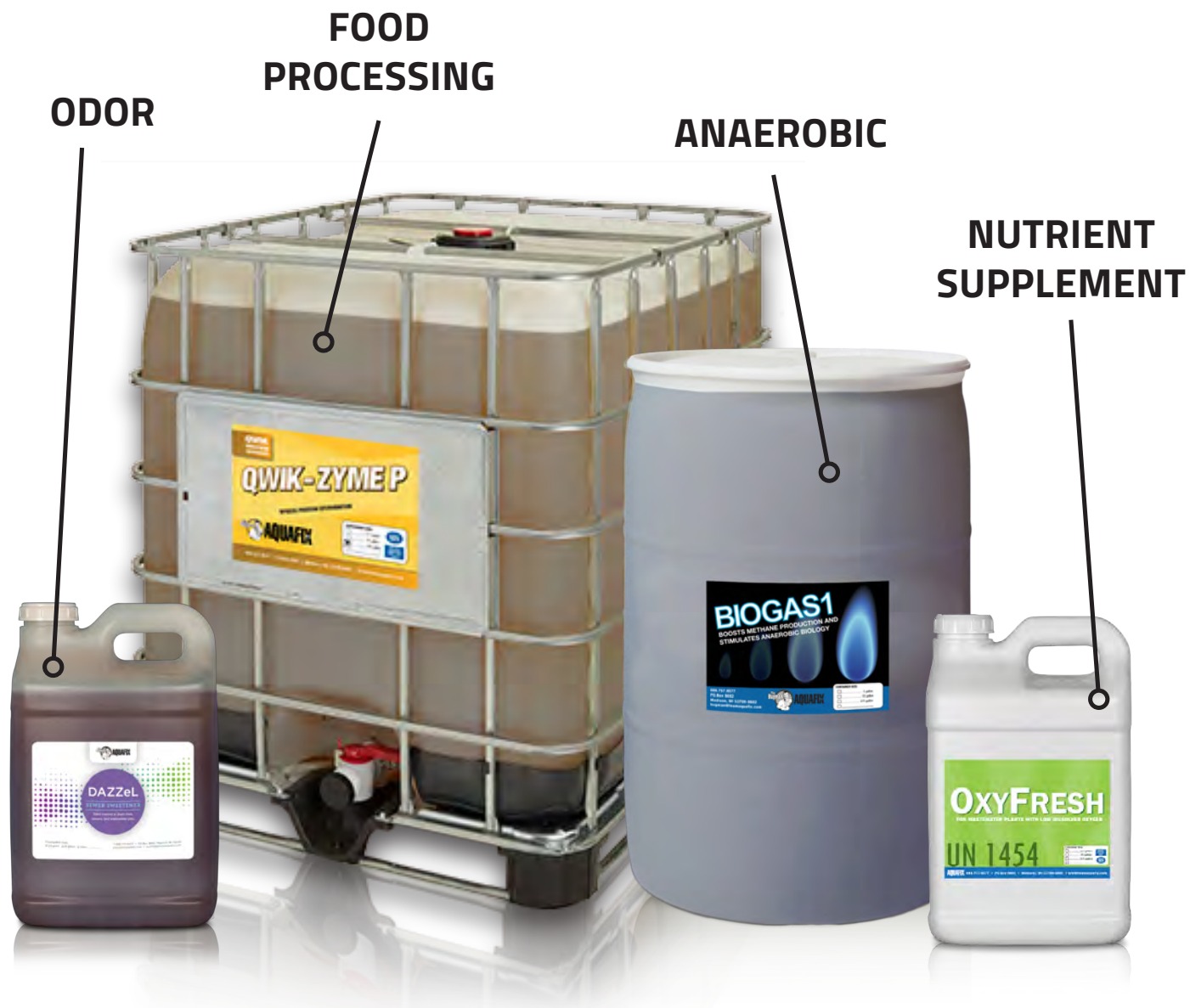
SHARE YOUR VOICE AS AN INSPIRING WOMAN OF WASTEWATER

Whether you're in the field, behind a desk, or in front of a microscope, we want to hear your story about being a woman in the wastewater industry! The Inspiring Women of Wastewater™ program is all about highlighting women in this fulfilling and challenging industry, to show incoming generations that this is a career they can achieve and grow with.

Contact us to be entered and to show incoming generations what they can achieve in the field of wastewater.

AQUAFIX^{Inc.}

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Fast account setup & EASY ORDERING:

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Monday - Friday
7:30 am - 4:00 pm CST

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Support: technicalservice@teamaquafix.com

Order Online at:
www.teamaquafix.com

para español, envíe un email a:
international@teamaquafix.com