



WINTER 2025

# AQUAFIX

WASTEWATER SOLUTIONS



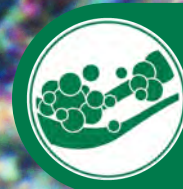
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*Tetrad  
1000x m  
Phase Contrast*

**Free  
Microorganism  
Poster**

*SEE BACK FOR DETAILS*





# AQUAFIX

## World Leaders in Wastewater Research



At Aquafix, we're pioneering biological solutions that empower a healthier planet, one wastewater treatment facility at a time. That's why our laboratory in the University of Wisconsin Research Park is dedicated to developing groundbreaking biological wastewater solutions, backed by the latest research in microbiology. Whether you're facing an upset or taking a proactive approach, Aquafix provides expert advice and world-class service – all tailored to your unique needs.

Let's build a better future for the communities we serve—together.

*Kevin Ripp*

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

Trusted by over  
**4500**  
wastewater facilities

One trillion  
**gallons**  
of water treated annually

Customers in  
**over 20**  
countries





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

**Aquafix's 24 years of research have led to multiple breakthrough products for both aerobic and anaerobic processes.** This year, we are proud to announce three products that continue this tradition of innovation. **BioGas Boost** and **BioGas Spectrum** represent the next evolution of anaerobic digester micronutrient supplementation (*pg 6*), while **Polar Rx** supports cold-weather lagoon health in an easy-to-apply tablet (*pg 14*).



## When you're facing an upset, you need a partner you can trust.

At Aquafix, we go beyond just sending you a lab report. The team of dedicated experts at Aquafix Wastewater Laboratories offers comprehensive technical support and in-depth analysis to ensure your systems achieve peak performance.

We believe in forging strong partnerships with engineers and operators. By understanding the unique biology of your system, our specialists collaborate with you to create a treatment plan that optimizes your specific process.

### Anaerobic Chemistry Screening

Understanding your digester's micronutrient content is the key to effective anaerobic digestion. Anaerobic micronutrient deficiencies can lead to poor methane production, poor volatile solids destruction, and an increase in hydrogen sulfide production. Our soluble and insoluble metals testing tests for **14 micronutrients** and compares soluble and insoluble fractions of metals for a more accurate picture of metal bio-availability.

\$1,150



### Microanalysis & Filament Origins

Our Microanalysis & Filament Origins test identifies major and minor filaments, and explains the operational implications of their origin. We review your floc structure, sludge age, and oxygen penetration so that we can offer definitive treatment and process recommendations. **Results are available within 24–48 hours after samples arrive.**

\$400





## Meet Deb!

Deb is our lead microbiologist. Check out her latest blog on bulking filaments here:



### Microbial Health Assessment

Monitoring the impact of operational or biological additive changes, the Microbial Health Assessment provides critical insights into plant health. We evaluate ATP, SOUR, TS, and VS to provide a routine, quantitative analysis of mixed liquor health. Receive result within 1 week.

Note: Two additional sample bottles of your mixed liquor are required to perform this assessment. Call for information on purchasing extra sample bottles.

**Call for custom pricing**

### Influent Toxicity Evaluation

The Influent Toxicity Evaluation tests for inhibitory or toxic effects of influent or feed. Using ATP analysis, we measure the impact of toxicity on active biomass, while oxygen uptake analysis checks for reduced microbial activity. This screening determines biocide toxicity and whether your system's influent hinders nitrifying bacteria or overall bacterial health. Receive result within 1 week.

Note: 1 liter of influent is required to perform this evaluation. Call for information on how to properly ship your sample.

**Call for custom pricing**

# Anaerobic Digestion



## BioGas Line

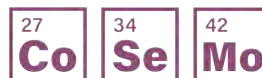
MAXIMIZE YOUR METHANE. Designed for optimal bio-availability, the BioGas lineup represents the cutting-edge of digester micronutrient supplementation. Our three formulations address the specific deficiencies of modern biogas facilities, maximizing methane output and volatile solids destruction while mitigating hydrogen sulfide and foaming.

Call for pricing and custom application

### BioGas1



### BioGas Boost



### BioGas Spectrum







## DeFoam 3000

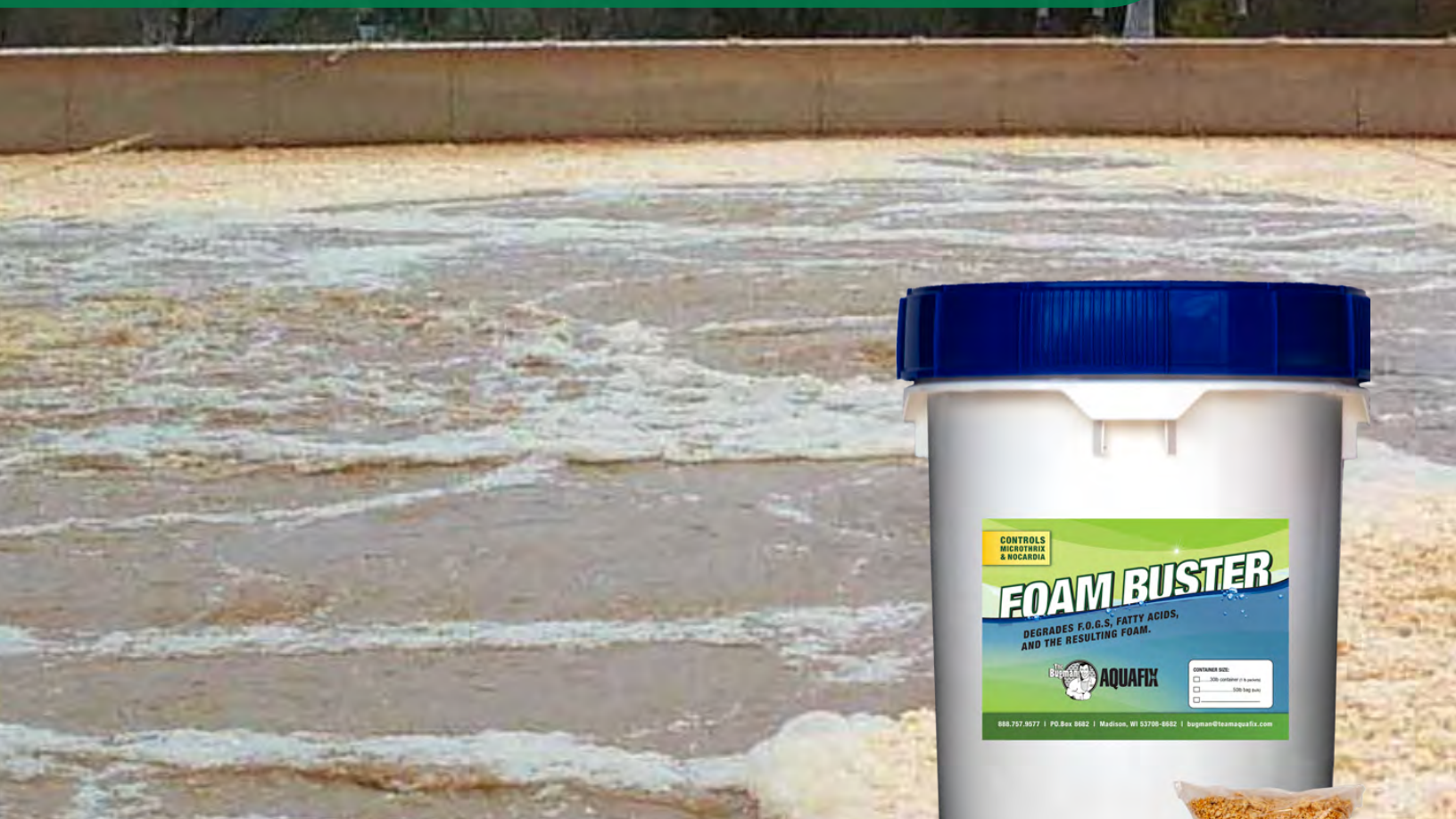
SAY NO TO SILICONE. DeFoam 3000 is a 100% concentrated defoamer, formulated to quickly collapse foam by creating a monomolecular film. The silicone-free formula makes it safe and effective to use in anaerobic and aerobic wastewater processes.

- 5 gal Case ..... \$51.60 / gal
- 55 gal Drum ..... \$44.54 / gal
- 275 gal Tote ..... \$43.30 / gal

| Anaerobic Digester           |               |
|------------------------------|---------------|
| Flow Rate<br>Gallons Per Day | Initial Dose* |
| 1,000,000 GPD                | 5-10 gal      |

\*Contact your Technical Rep for assistance with maintenance dosing in anaerobic digesters

# Foaming



## Foam Buster

FORGET FOAMING FILAMENTS. Foam Buster stimulates your floc-forming bacteria to out-compete foaming filaments and helps degrade the greases and emulsions they thrive in. Foam Buster's blend of micronutrients eliminates filamentous foaming caused by organisms like *Microthrix parvicella* and Nocardia.

30 lb Container ..... \$350.00

50 lb Container, Bulk ..... \$370.00

| Nocardia or Microthrix Treatment |                                     |   |
|----------------------------------|-------------------------------------|---|
| Flow Rate<br>Gallons Per Day     | Initial Dose<br>Daily for One Month | Maintenance Dose<br>Daily After One Month |
| 100,000 GPD                      | 2 lb                                | 1 lb                                      |





## Qwik-Zyme L™

FIGHT FOG FAST. Qwik-Zyme L 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 against foaming filaments.

- 5 gal Case ..... \$43.60 / gal
- 55 gal Drum ..... \$34.81 / gal
- 275 gal Tote ..... \$31.69 / gal

| <i>Microthrix parvicella</i> Foam & WWTP Grease |                                     |   |
|---|-------------------------------------|---|
| Flow Rate<br>Gallons Per Day                    | Initial Dose<br>Daily for One Month | Maintenance Dose<br>Daily After One Month |
| 100,000 GPD                                     | 1 qt                                | 1 pt                                      |



# Fats, Oils, & Grease



## GreaseZilla™

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

- 5 gal Case ..... \$43.40 / gal
- 55 gal Drum ..... \$38.09 / gal
- 275 gal Tote ..... \$33.81 / gal

| Lift Stations, Collection Lines & Sewer Lines |                                     |                                    |
|---|-------------------------------------|------------------------------------|
| Flow Rate<br>Gallons Per Day                  | Initial Dose<br>Daily for 1-2 Weeks | Maintenance Dose<br>Twice per Week |
| 100,000 GPD                                   | 0.5 Gallon                          | 0.5 Gallon                         |





## Bug On A Rope®

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

- 9 lb brick ..... \$175.00
- Case of 4 bricks ..... \$615.00

| Bug On A Rope Average Dissolving Rates |                                   |
|--|-----------------------------------|
| Flow Rate<br>Gallons Per Day           | Life Span<br>Replace as necessary |
| 100,000 GPD                            | 4 Weeks                           |



# Ammonia Control



Dynamic Duo is the perfect solution for smaller plants looking for a tailored approach to nitrification loss and ammonia removal.

## Nitrifier Pro

NITRIFICATION - NOW. Nitrifier Pro is an ultra-concentrated blend of heterotrophic and autotrophic nitrifiers. With Nitrifier Pro, you can fully recover your plant's ammonia removal capabilities in **as little as four days**.

- 60 mL Bottle ..... \$1,545.00
- Pack of 4 - 60 mL Bottles ..... \$4,120.00

| Water Temperature Below 60°F / 15.6°C |                                  |
|---------------------------------------|----------------------------------|
| Flow Rate<br>Gallons Per Day          | Initial Dose<br>Daily for 4 Days |
| 1,000,000 GPD                         | 90 mL                            |





## CounterQuat™

TACKLE TOXICITY. CounterQuat is a next-generation technology developed to protect wastewater bacteria from toxicity, especially quaternary amines. Created to aid wastewater operators who have no control over toxic compounds that may come down the drain, but want to protect their wastewater biology and avoid noncompliance.

- 5 gal Case ..... \$47.00 / gal
- 55 gal Drum ..... \$45.45 / gal
- 275 gal Tote ..... \$36.98 / gal

| Recovering From Severe Toxicity |                       |                                    |
|---------------------------------|-----------------------|------------------------------------|
| Flow Rate<br>Gallons Per Day    | Initial Dose<br>Day 1 | Maintenance Dos<br>Daily As Needed |
| 1,000,000 GPD                   | 10 gal                | 6 gal                              |

# Lagoons



## Polar Rx

JUST WHAT THE DOCTOR ORDERED. When temperatures cool and biological activity slows, continue your biological sludge removal with Polar Rx. Polar Rx tablets digest nutrient-filled sludge into bacterial biomass in temperatures as low as 55°F. These tablets are packed with an extra-strength psychrophilic probiotic blend designed to power through the cold months. Polar Rx gives operators a leg up on summertime nutrient loading issues by tackling the problem at its source during the winter.

30 lb Bag ..... \$534.00

| Lagoon Application |                                    |
|--------------------|------------------------------------|
| Lagoon Size        | Standard Dose<br>Monthly As Needed |
| 1 Acre             | 60 lb                              |





## Sludge Rx™

A TABLET A DAY KEEPS SLUDGE AT BAY. Sludge Rx is 1/10th the cost of dredging. Sludge Rx contains bacteria cultures and key biostimulants to maximize sludge reduction. Designed for all types of wastewater facilities, these tablets lower effluent TSS, ammonia, phosphate, and improve effluent pH.

30 lb Bag ..... \$505.00

| Lagoon Application |                            |
|--------------------|----------------------------|
| Lagoon Size        | Standard Dose              |
| 1 Acre             | Monthly As Needed<br>60 lb |



# Lagoons



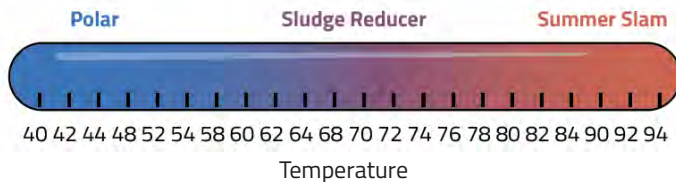
## VitaStim Lagoon Line

GIVE YOUR LAGOON SOME LOVE. Pick the formulation that works with your water temperature.

30 lb Container, ½ lb Summer Slam Packs ..... \$635.00

30 lb Container, ½ lb Sludge Reducer Packs .. \$540.00

30 lb Container, ½ lb Polar Packs ..... \$570.00



### Lagoon Application - Temperature Above 50 °

| Lagoon Size | Clean Up Dose<br>Once per day | Maintenance Dose           |
|-------------|-------------------------------|----------------------------|
| 1 Acre      | .5 lb                         | .5 lb Three times per week |

### Lagoon Application - Temperature Below 50 °

| Lagoon Size | Standard Dose<br>Once per day | Ammonia Lowering Dose<br>Once per day |
|-------------|-------------------------------|---------------------------------------|
| 1 Acre      | .5 lb                         | 2 lb                                  |



# Midge Flies



## Midge Fly Complete™

KILL MIDGES DEAD. 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) ..... \$610.00

| Wastewater Plant Dosing      |   |                                      |
|------------------------------|---|--------------------------------------|
| Flow Rate<br>Gallons Per Day | Initial Dose<br>Twice a Week for 4 Week   | Maintenance Dose<br>Weekly As Needed |
| 100,000 GPD                  | 0.5 gal AQUABACxt +<br>0.5 gal Lar-V-Zyme | 1 pt AQUABACxt + 1 pt<br>Lar-V-Zyme  |



# Floc Formation



## SmartBOD™

FEED YOUR FLOC. SmartBOD offers an advanced food supplement designed to enhance flocculation and cultivate a healthy biomass. Now available in powder and liquid forms, SmartBOD makes for easy application for any plant. Whether added by hand or metered in, SmartBOD excels at building and maintaining a healthy wastewater treatment environment.

- 50 lb Bag (Dry) ..... \$370.00
- 55 gal Drum (Liquid) ..... \$26.81 / gal
- 275 gal Tote (Liquid) ..... \$24.72 / gal

| Improve Settling, Get Rid of Filaments |                   |                        |
|--|-------------------|------------------------|
| Smart BOD Type                         | Water Temperature | Dose Rate              |
| Liquid                                 | Above 59°F (15°C) | 6 gal Per 1 MGD, Daily |
| Dry                                    | Above 59°F (15°C) | 30 lb Per 1 MGD, Daily |





# ReBuild

READY. SET. REBUILD. Whether you are recovering from an upset or starting up a new plant, the fast flocculating bacteria and biostimulants in ReBuild get your biomass up and running fast. Get your facility off on the right foot any time you need a restart.

30 lb Container ..... \$570.00

| Recovering After Upset       |                                   |                                      |
|------------------------------|-----------------------------------|--------------------------------------|
| Flow Rate<br>Gallons Per Day | Initial Dose<br>Daily for 10 Days | Additional Dose<br>Daily for 20 Days |
| 100,000,000 GPD              | 50 lb                             | 25 lb                                |



# Leading the Way in Wastewater Research and Education

## Meet Dan!

Dan is our director of wastewater education and has 10 years of experience in wastewater research. When he's not in the lab researching the latest on anaerobic digestion, Dan can be found presenting his findings at national conventions like WEFTEC!



## Customer Case Studies



- Academic quality.
- Easy-to-understand write-ups.
- Results from real-world wastewater treatment facilities.





# Aquafix Wastewater University

Dive deep into the realm of wastewater management education through our comprehensive programs. Offering a blend of in-depth knowledge and practical application, these opportunities are designed to elevate your expertise in sustainable water treatment and resource management:

Sign up for one of our CEU eligible courses today!



## Live Webinars



- Accessible, dynamic online courses.
- Convenient scheduling for professionals.
- Insightful content on advanced wastewater management.

## In-Person Training



- Hands-on experience under expert guidance.
- Focus on real-world scenarios and applications.
- Collaborative learning in an interactive setting.



# Brandi Young

Plant Superintendent, Illinois Municipality  
Time in the Industry: 18 years!

**"I WAS SURPRISED THEN, AND CONTINUE TO BE SURPRISED AT THE WIDE VARIETY OF KNOWLEDGE A WASTEWATER OPERATOR MUST HAVE. I KNOW A LITTLE BIT ABOUT A LOT OF THINGS."**



## **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.





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## Pioneering Biological Solutions WORLD-CLASS LABORATORY SERVICES

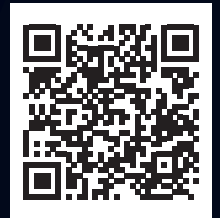


Stalked Ciliate Colony  
100x m



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