

## About Our Company

At EBS, we consider ourselves as consultants first and product suppliers second. Our entire business model is designed and implemented to follow this mantra. However, we recognize that we can't simply talk the bacteria into behaving as we wish. We must provide them with the growth conditions (8 Growth Pressures) they need, and that often requires supplemental products.

Our product line results from twenty-five years of blending traditional wastewater fundamentals with innovative product ideas, unique selection techniques, and best-in-class application strategies. We will walk you through every step, from dosage recommendations to product application and results-driven data. EBS is here to help!

## Why Choose Us?

- Multiple shipping options and locations for fast delivery.
- Size options to meet needs.
- Customized MacroGro formulations with desired N:P ratio.
- Committed to safety and a member of ISNetworld and Avetta.



**An Employee-Owned Company**  
**Comprehensive Wastewater Solutions**

Scan the QR Code below to learn more details about **EBS** and best in class product line!



## Our Core Values

- Respond at the Speed of Sound
- Simple, yet Profound
- Calm in the Storm
- No Fear
- Open Book
- Spread the Word



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<https://www.ebsbiowizard.com/contact/>



## Product Line

**Unique Wastewater  
Treatment Solutions**

# Our Product line

## Bioaugmentation

Our bioaugmentation products contain selected strains of bacterial cultures and are formulated to degrade components found in specific industries such as the pulp & paper, CPI/refining, and food processing industries and municipalities.

- *BioStar™ P*
- *BioStar™ R*
- *BioStar™ GT*
- *BioStar™ DSL*
- *CryoStart™*
- *MicroStar™ 2.0*
- *MicroStart™*
- *NitriFire™*

## Wastewater Nutrients

Maintaining healthy biomass requires adequate amounts of critical macronutrients and micronutrients. EBS provides a wide range of customized nutrient blends specific to the bacterial needs of your plant.

- *MacroGro™ Custom Blends*
- *Boost™*

## Carbon Sources

The average system loses approximately 3-5% of its biomass per day without adequate BOD. During lower loading, these carbon sources are available to help maintain a consistent carbon source needed for BOD supplementation or nitrate removal.

- *MicroCarb™*
- *CarboBOOST™*

## Low Dissolved Oxygen Supplementation & Sulfide Mitigation

Under O<sub>2</sub> deficient conditions, O<sub>2</sub> supply may not meet O<sub>2</sub> demand, putting BOD permit limits at risk. The application of a nitrate salt in liquid form such as calcium nitrate as a supplemental terminal electron acceptor (TEA) can help.

- *CalNit*
- *FerrOx*



## BACTM & BACTM 2

### Bacterial Acceleration Chamber

The patented EBS Bacterial Acceleration Chamber (BAC) unit and our second-generation BAC2 unit are designed to use in conjunction with our bioaugmentation line. They can acclimate and grow 100 to 1000X the bacterial population of the dry product in 24 hours!

Application examples:

- Low TSS concentrations
- Acute or chronic presence of toxic/inhibitory compounds
- During system startups, upsets, and/or turnarounds
- Systems with incomplete BOD degradation

## Our Approach

At EBS, we understand that even the best-managed wastewater treatment facilities can face challenges that impact the treatment process. A substantial increase in BOD loading due to planned or unplanned events, a spill, or the addition of an inhibitory or toxic material places stress on the biological population.

With over twenty-five years of product application experience, we have created a strong portfolio of products that have proven impactful in solving problems related to issues such as poor BOD reduction, excessive solids carryover, nitrification loss, and toxic material related problems.

## EBS Product Line

- **Bioaugmentation**
- **Nutrients**
- **Carbon Sources**
- **Oxygen Supplementation**
- **Sulfide Mitigation**



**Several shipping options and locations available for rapid delivery!**