

# INSPIRED TO THINK ABOUT WASTEWATER TREATMENT DIFFERENTLY

**Continually innovating to protect North America's  
receiving streams and waterways**

## ABOUT EBS

EBS believes in doing business with those who share our fundamental beliefs and core values. We appreciate the importance of protecting North America's receiving streams and waterways. We are inspired to approach industrial biological wastewater treatment differently, more holistically, and we never underestimate the impact of wastewater on the receiving stream.

Assessing risk and managing critical factors are necessities for managers, engineers and operators of wastewater treatment plants. Decisions and actions that impact short-term compliance must complement the longer-term management of the wastewater treatment process since both support the entire plant's operational sustainability.

EBS evaluates your entire system, determining what is really needed. We invest in ways to "peel the onion," digging deeper into the biological process to determine why a system's biology is or isn't working optimally. Our "Simple yet Profound" core value means we understand and appreciate the complexity of biological treatment, but constantly strive for simplicity and applicability in our solutions. By drawing from the strengths of both the product supply and consulting business models, we created a truly unique enterprise. At EBS, our goal is first and foremost to help our clients identify and solve wastewater treatment problems in a prompt and cost effective manner. We believe that by accomplishing this, we will create a company to be proud of and one which will achieve long-term sustainability.

## CONSULTING AND LABORATORY SERVICES

Our field consultants focus first on the Eight Critical Growth Pressures, which underpin all healthy systems. By initially reviewing the basics, we are often able to quickly identify areas for incremental improvement before digging into more complex and expensive solutions.

EBS wastewater laboratory specialists and microbiologists utilize a breadth of approaches, including both established and cutting-edge laboratory techniques, to provide direct support to clients, third party consultants/engineers/vendors, and our internal field personnel. We continually research and evaluate new equipment, advanced microscopic techniques and chemical analyses to address both the system and its biology in order to gain a deeper understanding of the biological process at work.

Contact EBS to learn about the consulting and laboratory services available to assist with your particular situation.



## ON-SITE SUPPORT

EBS performs a variety of projects and studies in-house, at WWTP sites and on the waterways into which they discharge. Throughout this process, any of the following activities might be employed to assist with attaining information in order to manage risk and optimize system performance.

- Review operational performance issues
- Analysis of historical data to determine trends
- Lithium tracer studies to determine pond retention time and identify flow patterns
- Lagoon depth profiles and sludge inventory
- Aeration utilization evaluation
- System operation modification to address plant closure or machine slowdown
- UNOX, pure oxygen activated sludge system review
- Sequencing Batch Reactor (SBR) optimization
- Laboratory and/or test procedure audits
- Monitoring of river dissolved oxygen levels up- and downstream
- Fish enumeration/identification and water quality sampling of rivers
- Development of process support tools
- Routine system monitoring of key wastewater parameters

## TRAINING SERVICES

EBS develops and conducts training for industrial clients on virtually any wastewater related topic. These training seminars are offered in a variety of formats to suit your employee and company needs. EBS can also provide CEUs for your operators.

**Technology-Specific Seminars** EBS hosts basic through advanced ASB and activated sludge WWT seminars in Mandeville, LA. Please see our website for dates and topics.

**Customized On-site Training** On-site training allows the training course to be customized to trainee needs and plant-specific issues.

**Video Conferencing** Live video conferencing of customized training topics allow companies to train many individuals at once in a cost effective manner.

**Online Training** EBS has developed online training courses in several wastewater treatment topics. They can also be developed for specific companies.

## BIOLOGICAL PRODUCTS, THE BAC UNIT AND NUTRIENTS

There are times when the biological population needs a boost, whether to handle excess BOD or to recover after an upset. EBS BioStar™ and MicroStar™ formulations contain microorganisms selected for specific industrial applications and blended to successfully reproduce in EBS BAC™ units or be added as is.

The patented EBS Bacteria Acceleration Chamber (BAC unit), used in conjunction with EBS bioaugmentation products, increases the amount of active cultures applied to a WWTP by 100- to 1000-fold. The result is a greater chance for application success at an affordable cost.

EBS provides customized nitrogen and phosphorus (N:P) blends to meet the needs of your system's biological population. Using respirometry, EBS determines the optimum formulation and dosage of our MacroGro™ nutrient blends customized for your WWTP. Our extensive network of blending facilities ensures competitive pricing and reduces delivery lead time to get your system working at optimum levels sooner rather than later, thus reducing your risk, environmental impact and cost to correct.

**For more information about EBS's Wastewater Treatment Solutions or to schedule a consultation, call (985) 674-0660 today.**

