



An Employee-Owned Company
Comprehensive Wastewater Solutions

>>> ISSUE 8 <<<

CLEAN THOUGHTS

Wastewater Consultants Like No Other



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WINTER IS COMING

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HOW COLD WEATHER IMPACTS ASB PERFORMANCE & HOW TO PREPARE

As cooler temperatures roll in, it's important to remember that your aerated stabilization basin (ASB) doesn't just feel the chill, your bacteria do too.

TWO KEY TOOLS FOR COLD-WEATHER SUCCESS:



Bioaugmentation

- Even though your ASB may stay above drastically cold temperatures, even a 10 degree drop in water temperatures will slow metabolism by 50%.
- Adding targeted, high-performance bacteria can help bolster the overall biomass concentration. EBS **CryoStart™** is formulated to maintain activity during colder temperatures.
- By increasing the total number of active organisms in the system, you reduce the time needed to achieve your target BOD removal.



Nutrient Addition

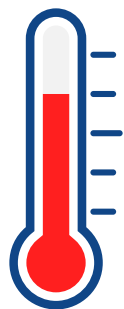
- Bacteria rely on **nitrogen** and **phosphorus** for reproduction. With slower growth rates in colder temperatures, you want to ensure you bugs are not slowed even further due to nutrient deficiency.
- Ensuring adequate nutrient availability supports maximum bacterial activity in the winter



THE BOTTOM LINE



If your ASB sees seasonal performance dips, now is the time to act. Strategic bioaugmentation and nutrient programs can help maintain BOD removal efficiency through the colder months, minimizing the risk of permit exceedances and keeping your system stable until spring.



WHY IT MATTERS:

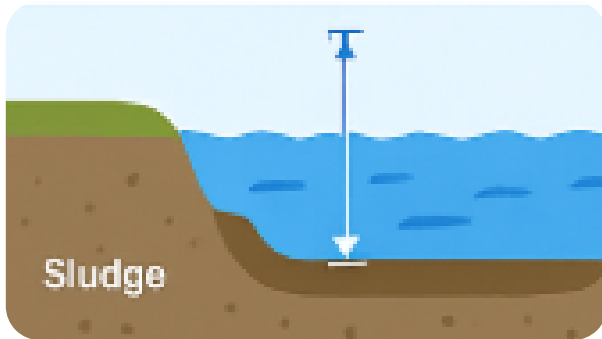
In warmer months, your system may be able to achieve the same removal with fewer bacteria because metabolism rates are high.

But in colder weather, each bug is processing less, meaning you either need more of them, or you risk a drop in treatment performance.

NOT ONLY UNMANNED BUT UNMATCHED: REMOTE BOAT SURVEY ADVANTAGE



A CRITICAL PART OF TREATMENT PERFORMANCE



Depth surveys are an essential part of managing aerated stabilization basins, lagoons, and other wastewater treatment ponds. They provide critical data on sludge accumulation, water volume, and capacity changes over time.

Traditional surveys require a manned boat, which can be time-consuming, labor-intensive, and sometimes risky.

ENTER THE USV: (UNMANNED SURFACE VEHICLE)



REMOTE POWER - MAXIMUM PRECISION

Our USV is equipped with GPS and sonar technology that allows it to navigate across a pond or basin while collecting precise depth data. It's operated from shore by remote, eliminating the risk of people's lives over open water.



IMPROVED SAFETY

Operated from shore, reducing exposure to slips, falls and hazardous gases like H_2S .



TIME EFFICIENCY

Quick deployment and compact size for faster setup/retrieval, and efficient maneuverability in ponds for faster surveys.



HIGH ACCURACY

GPS and sonar mapping deliver high-resolution, consistent data. Easily compare results across multiple surveys.



COST-EFFECTIVE

Less manpower + faster surveys = lower costs without compromising quality.

DATA THAT DRIVES DECISIONS

For facilities that rely on accurate depth data to plan dredging, assess treatment performance, and maintain compliance, USV technology offers a smarter and safer alternative. Whether you need a one-time survey or regular monitoring, our USV can deliver reliable data while keeping your team safely on shore.

WORKSHOPS IN ACTION: LAKE CHARLES & SAVANNAH

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This summer, our team had the privilege of hosting two hands-on wastewater treatment workshops; one in Lake Charles, Louisiana, and another in Savannah, Georgia. Both events brought together operators, engineers, and plant managers from across the region to dive deep into process optimization, troubleshooting strategies, and real-world problem solving.

THANK YOU!

We want to thank everyone who attended and participated. The conversations, questions, and shared experiences made these sessions truly valuable.

SAVANNAH:



"I have worked with EBS for over 3 years, I have learned a lot from the employees. It was nice to have the training where I could focus only on this information and really let it sink in."

- Environmental Engineer, Pulp & Paper



"This is my second time taking the class. The first time I was in wastewater for less than 2 years. Coming back when I understood the basics a lot more has really helped. I was able to ask a lot more questions intelligently."

- Environmental Manager, Pulp & Paper



"I found this seminar to be incredibly informative and helpful. I really appreciated the breakout session and time spent explaining my specific mill. Great overview, great instructors."

- Environmental Engineer, Pulp & Paper

LAKE CHARLES:



"Great Training! Open format that allows for questions. Very technical and very useful for my job. Will recommend for my clients to attend."

- Account Manager, Consulting Group



"The overall material was very in-depth and explained exceptionally well. Keep up the great work!"

- Senior Account Manager, Petrochemical

UPCOMING EVENTS:

FALL SEMINAR (ASB & AST)

October 7th & 8th - Mandeville, LA

We look forward to bringing more workshops to new locations in the coming year. Keep an eye out for announcements on our 2026 schedule, we'd love to see you at a future event!