



Our Services

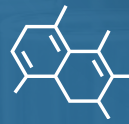


Respirometer Testing

Closed-system respirometry testing is utilized for precise monitoring of biological processes in wastewater treatment, aiding in understanding and optimizing treatment efficiency.

- Nitrification Assessments
- Inhibition Testing
- Process Chemical Change Evaluations
- Biodegradability Studies
- Ultimate BOD Testing

* Testing can be completed aerobically or anaerobically

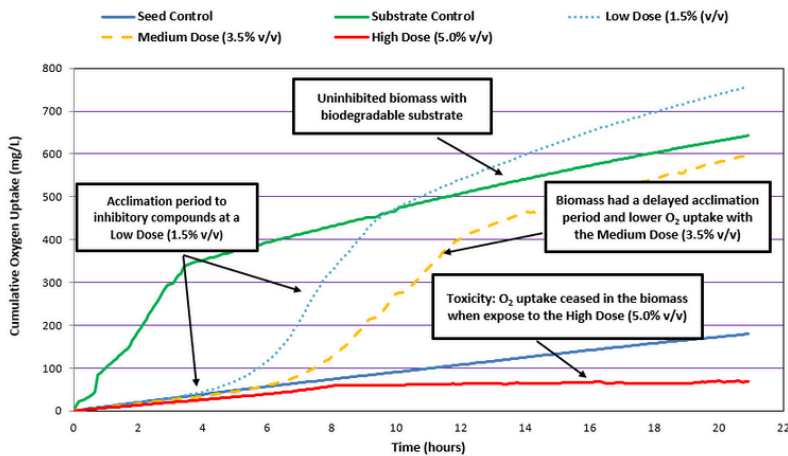


Physical and Chemical Treatments

Not all wastewater is amenable to biological treatment. Pretreatment before biological treatment or tertiary polishing may be required by physical and/or chemical methods to meet compliance.

- COD Fractionation
- Jar Testing
- Activated Carbon Isotherms
- Advanced Oxidation Processes (AOPs)
 - Ozonation
 - UV Light
 - Fenton's Reaction

Respirometry Inhibition Assessment Graph



Bench Scale Testing

Bench-scale reactors provide a realistic simulation of real world conditions. These studies allow for confident decision-making based on extensive data collection at a smaller scale with a lower risk and less operational costs than a pilot or full-scale system.

- Activated Sludge or ASB simulation
- Customized reactor design
- Continuous flow operation
- Kinetics determination
- Retention time (hydraulic and/or solids) analysis
- Process change simulation
- Nutrient removal studies

Our Process

- **Consultation:** We collaborate closely with you to understand your objectives and challenges.
- **Testing and Analysis:** We conduct rigorous tests and analyses using state-of-the-art equipment.
- **Data Interpretation:** Our experts analyze the obtained data to provide valuable insights.
- **Report and Recommendations:** You receive a well-written, easy-to-read report outlining data, conclusions, and actionable recommendations.

” Our rapid turnaround time and unique perspectives will help you make quicker/better decisions, stay compliant, and reduce operating costs.

-Mike Foster, Founder and CEO

Why Choose Us?

1

Tailored solutions to fit your treatment system needs.

2

Data-driven analysis to support decision-making.

3

We have over 300 years of combined experience in industrial wastewater treatment.



The EBS team serves as trusted advisors to our clients and is committed to helping them protect North America's natural resources while supporting their financial and sustainability goals. An important component of this role is providing data and information regarding wastewater characteristics and treatment system operating conditions.

Our real-world field and product application expertise combined with our with extensive laboratory capabilities has positioned EBS as one of North America's most comprehensive industrial wastewater consulting companies. As an employee-owned firm, our team is personally invested in providing superior customer service and maintaining long-lasting relationships.

Industries We Serve



Pulp and Paper



Food & Beverage



Petroleum Refining



Petrochemical



Oil & Gas



Municipal