



BAETM
BIOLOGICAL ACTIVITY ENHANCER
IMPROVES PLANT
OPERATIONAL EFFICIENCY



Prodex
From the Earth...for the Earth®
A division of JSH international™





MAXIMIZING THE MICROBIAL WORKFORCE™



INTRODUCING



BIOLOGICAL ACTIVITY ENHANCER

**PROPRIETARY
ORGANIC FORMULA**

**IMPROVES PLANT
OPERATIONAL EFFICIENCY**

**STIMULATES EXISTING
MICROBIAL POPULATION**

**PROVIDES A GREAT
RETURN ON INVESTMENT**

WHAT IS BAE™?

BAE™ is a revolutionary proprietary organic formula that increases microbial populations and maximizes their activity. This unique product is derived from highly humified peat sources and blended through a patented stabilization and extraction process.

As the green component to the engineered infrastructure, BAE™ provides Operators an organic alternative to maximize the efficiency of their operations. BAE™ has proven to:

- **improve sludge settling.**
- **enhance TSS and BOD removal.**
- **maintain nitrification at low dissolved oxygen levels.**

In addition, BAE™ has shown to be the solution to a variety of unexpected plant challenges. Since microbial activity is the key element in the treatment of wastewater, it is BAE's™ unique ability to enhance the existing microbial population that makes it an essential tool for Operators today.

A REWARDING RETURN ON INVESTMENT

Effectively priced for a rewarding return on investment, BAE™ will begin to drive down operational costs such as energy, chemicals, and sludge hauling within approximately 4 to 5 sludge ages.



FIELD TESTED AND PROVEN

BAE™ is benefiting communities every day. These Case Histories record actual, on-site BAE™ usage as shown.



CASE HISTORIES

CASE HISTORY #1



BAE™ was added to a 1.1 MGD activated sludge plant.

- ✓ **BAE™ eliminated the need of various chemicals previously relied upon to meet permit requirements.**
- ✓ **Total Suspended Solids decreased by 50%, removing an additional 125 pounds per day from the effluent entering our waterways.**
- ✓ **At the conclusion of the observation period, secondary effluent BOD5 decreased by 83% and CBOD5 by 70%.**
- ✓ **After six months, the plant found it could bring the second aeration tank offline without impacting performance.**

The Authority observed an annual savings of over \$100,000 in operational and sludge hauling costs.

CASE HISTORY #2

A 17 MGD regional WWTF faced permit violations and potentially significant fines as a result of a strong disruption within the plant's biological population. In an effort to recover, this plant turned to BAE™ to bring the microbial environment back into balance.

- ✓ **Within 2 weeks, older forms of microbial populations began to appear, indicating an abundant population of lower life forms.**
- ✓ **At 30 days, laboratory examination determined higher life forms had established a healthy and abundant population.**

As an ongoing treatment program, BAE™ is added at a reduced rate and the plant has maintained a more concentrated and active level of life forms.

CASE HISTORY #3

A non activated sludge plant with a flow of 1 MGD and Rotating Biological Contactors (RBC) observed the following after using BAE™ for 30 days:

- ✓ **Ammonia levels in the effluent decreased significantly.**
- ✓ **Odors throughout the plant began to become un-noticeable.**
- ✓ **Dewatered sludge became less restrictive and easier to dewater.**

During the observation period, diesel fuel was accidentally discharged into the sewer system and received at the plant. A detrimental reaction amongst the microorganisms on the RBC units was expected, but remarkably, there was absolutely no negative impact on the plant.



WHAT ARE YOU WAITING FOR?

THE BENEFITS OF BAE™ ARE YOURS FOR THE ASKING!

Prodex™ is well aware of the fact that this industry has been inundated with what is commonly referred to as “Snake Oil,” and we understand your frustration. BAE™ is a revolutionary and effective product that has been proven to work in various wastewater treatment systems. It is just the opposite of “Snake Oil!”



SEEING IS BELIEVING TAKE THE BAE™ CHALLENGE!

FIELD TRIAL GUARANTEE

Prodex™ guarantees the performance of its BAE™ product when properly used and monitored under the direction of and determined by the Purchaser and Prodex™. Prior to the start of the evaluation, both parties will determine specific performance criteria. If for any reason the evaluator is not satisfied with the performance of the product at the end of the evaluation, Prodex™ will not invoice the evaluator for any BAE™ used.

SATISFACTION GUARANTEED

WANT MORE INFORMATION?

Simply go to our website: ProdexProducts.com for a discussion of our research and case histories.

Or please call us at **856.234.4540**.



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