

## BIO ENERGIZER® Increases Solids Destruction Efficiency

FIELD REPORT

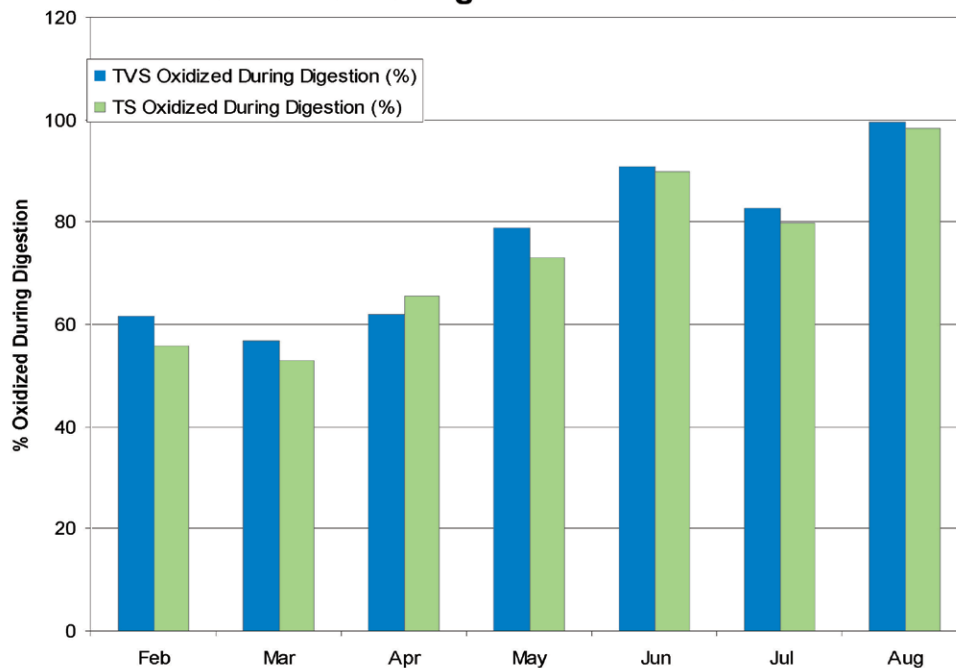
Location: Municipal Treatment Facility in Indiana

### Results

A city began using BIO ENERGIZER® to increase solids destruction efficiency in their aerobic digesters. In a three-month period, BIO ENERGIZER® saved the City the disposal cost associated with 78.4 dry tons of sludge. This represented a 72% cost savings in solids handling.

The city operates a 2.75 mgd trickling filter plant with primary and secondary clarification, gravity thickener, aerobic digestion and belt filter press.

**Volatile Solids Destruction Efficiency Before and After Using BIO ENERGIZER®**



	Before BIO ENERGIZER®	After BIO ENERGIZER®
Total Solids Destruction (%)	61.8	89.3
Total Volatile Solids Destruction (%)	64.8	91.0
Residual Sludge (%)	38.2	10.7

Average Monthly Total Solids Pumped from Digester (lbs./Mo)	81,046	18,163
Average Monthly VS Pumped (lbs)	52,675	12,091
Average Monthly TVS Oxidized (lbs)	104,952	120,436

## Probiotic Solutions® Product Information

BIO ENERGIZER® is a broad-spectrum bio-activator containing over 30 essential microbial growth-promoting ingredients. By design, BIO ENERGIZER® is a balanced formulation of vitamins, trace nutrients, enzymes, organic acids, and biostimulants that motivate the existing microbial community to greater metabolic capacity and efficiency. BIO ENERGIZER® is not a bacterium nor an inoculum.

For many years, wastewater operators have continued to use BIO ENERGIZER® to cut their sludge hauling costs.

### Operators Using BIO ENERGIZER® Report:

- 1) Increases in BOD removal efficiency.** BIO ENERGIZER® improves treatment plant removal efficiency to increase plant treatment capacity and more easily meet effluent requirements.
- 2) The elimination of expensive dredging costs.** BIO ENERGIZER® converts sludge into gases and water, reducing sludge accumulations. No draining, drying, excavating, or inconvenient down time.
- 3) The reduction of odors and aeration costs.** BIO ENERGIZER® enhances aerobic and facultative biological eco-systems to reduce the production of objectionable and offensive odors. BIO ENERGIZER® also increases the dissolved oxygen levels which decreases the need for aeration.

BIO ENERGIZER® enhances endogenous respiration for faster and more complete oxidation of sludge into carbon dioxide and water.

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## Our Probiotic Solutions® Products

are Highly Efficient and Effective Due to Our Unique Delivery System

*Call Toll Free Today for Your Free Quote and System Evaluation.*

**1 (800) 961-1220**