

# BIO ENERGIZER® Removes 775 Dry Tons of Sludge

FIELD REPORT

Location: Wastewater Treatment Plant in Illinois

## Project Summary

For years, a city in Illinois contracted with a sludge removal company to dredge and haul wasted digester solids from their sludge storage lagoon.

## Solution

To cut sludge removal costs, management decided to oxidize sludge in place using the biochemical BIO ENERGIZER®.

In 18 months, the city added 922 dry tons to the 1,940 dry tons of existing sludge. BIO ENERGIZER® removed 775 dry tons of sludge at a cost of \$36/dry ton, saving the city \$58,135, or \$77/dry ton.

The city continues to slash their sludge removal costs by using BIO ENERGIZER®. With the rising costs of sludge removal and hauling, BIO ENERGIZER® is a good investment

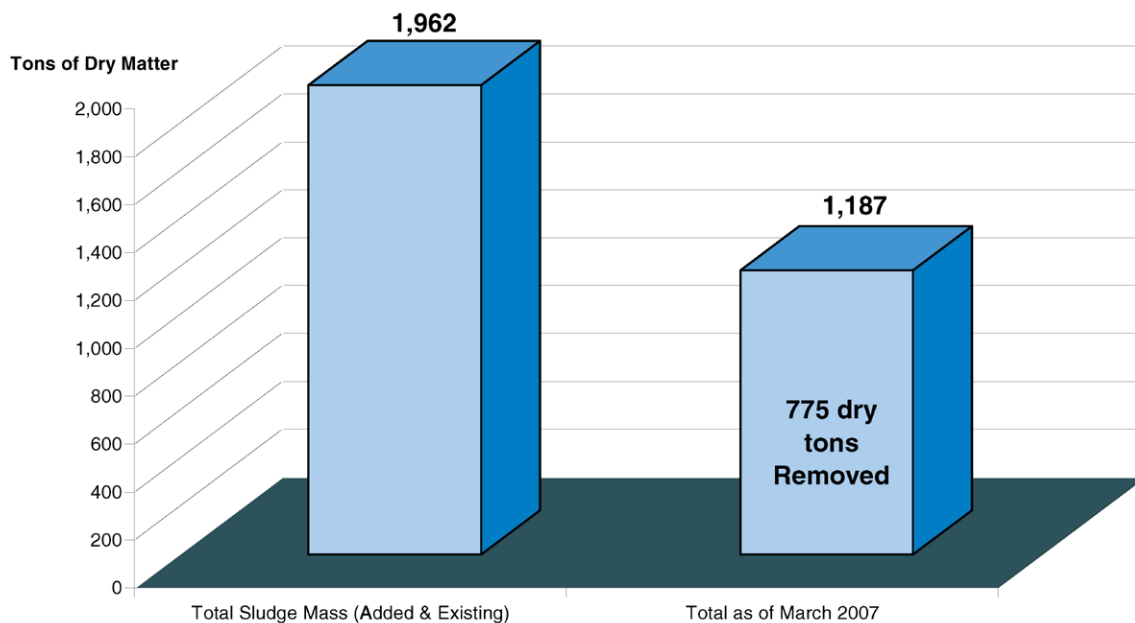
Before



After



## Mass Reduction in the Sludge Storage Lagoons at City in IL Before and During BIO ENERGIZER® Usage



## 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**

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Quote and System Evaluation.*  
**1 (800) 961-1220**