



CITY SAVES OVER \$300,000 THANKS TO PROBIOTIC SOLUTIONS

For years the wastewater lagoon system in a City in California has been receiving domestic and industrial wastewater. The industrial wastewater is composed of whey, disinfectants, cleaners, and other difficult to digest cheese manufacturing waste.

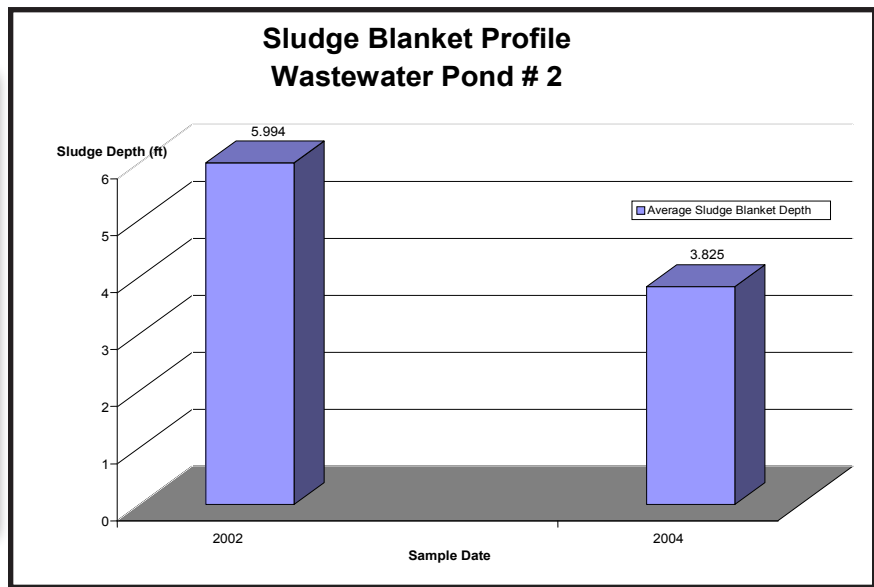
After many years of operation, the sludge blanket reached the surface of the pond. Concerned about this loss of capacity, the City began looking for ways to remove sludge from pond # 2.

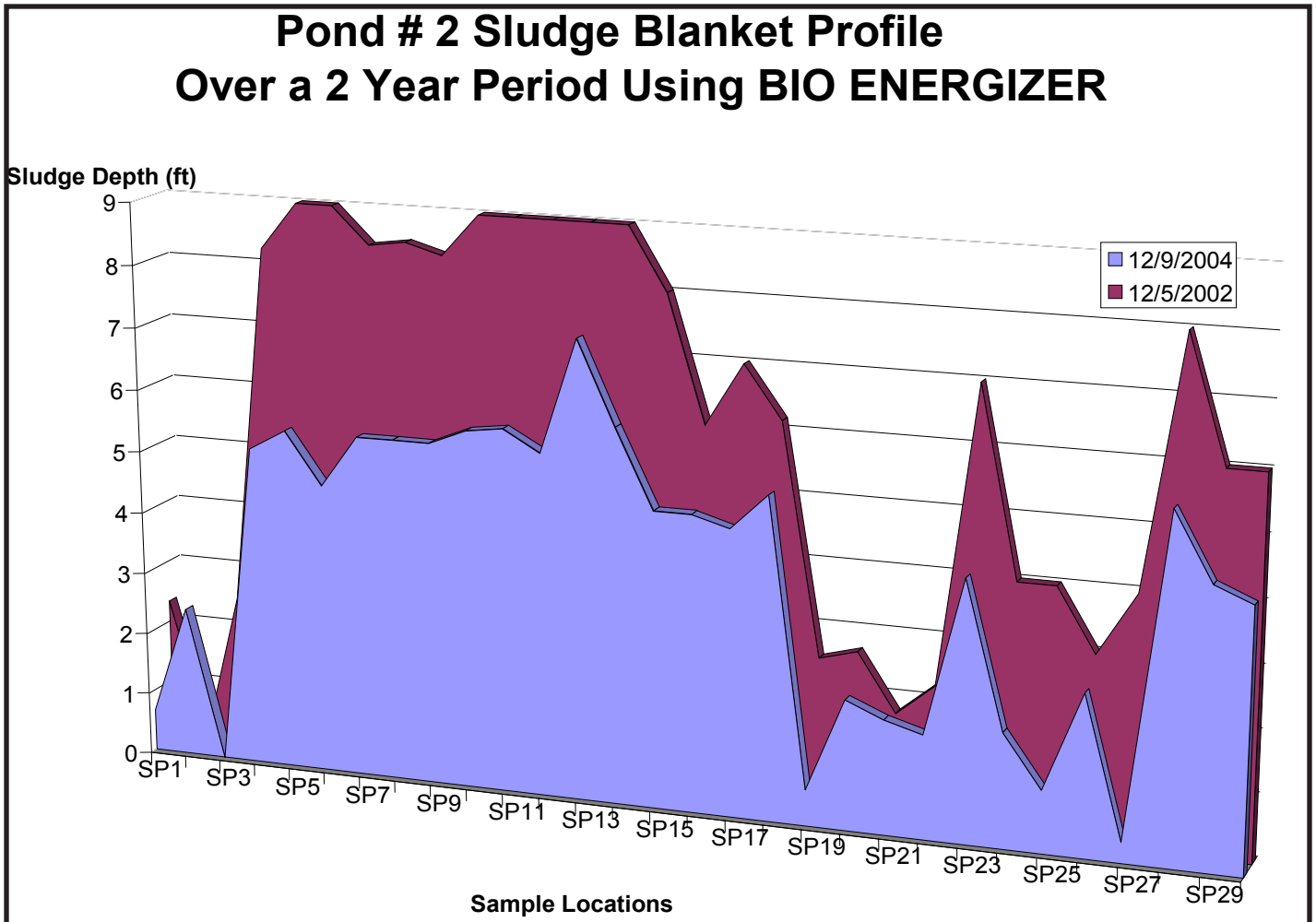
Dredging, drying, and removal cost were estimated at about \$341 per dry ton. Pond # 2 contained about 3,502 dry tons of sludge which brought estimated removal costs to about \$1,194,000. To keep the lagoon on line, and to save money, the City decided to use BIO ENERGIZER to oxidize the sludge in place.

After 2 years, BIO ENERGIZER removed 1,268 dry tons of domestic and cheese waste sludge, for a savings of

\$321,388. Shown below is a before and after profile of the sludge blanket in Pond # 2.

It is impressive to note that this sludge blanket reduction was accomplished while Pond # 2 was kept on line and continued to receive its normal daily load. With the help of BIO ENERGIZER, Pond # 2 not only removed 1,268 tons of existing sludge, but for 2 years, destroyed all the new sludge added to it for an average net sludge blanket reduction of over 2 feet.





Operators Using BIO ENERGIZER Report:

- 1) **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.
- 2) **The reduction of odors and aeration costs.** Probiotic enhance aerobic and facultative biological eco-systems to reduce the production of objectionable and offensive odors and enhances dissolved oxygen levels.
- 3) **Increases in BOD removal efficiency.** BIO ENERGIZER improves treatment plant removal efficiency to increase plant treatment capacity and more easily meet effluent requirements.

BIO ENERGIZER enhances endogenous respiration for faster and more complete oxidation of sludge into carbon dioxide and water. BIO ENERGIZER is non-toxic, safe, and presents no danger to personnel.

Call Toll Free Today for Your Free Pond Evaluation and Sludge Removal Quote
1 (800) 961-1220 ext. 231