

# ABSTRACT

## A PILOT-SCALE STUDY OF THE EFFECT OF BIOLOGICAL ADDITIVES ON BIOSOLIDS PRODUCTION

The University of Alabama has just issued a technical paper presented at the WEF Conference 2003 showing the results of using B500 Blue in a pilot plant study designed to duplicate a real life 20 mgd facility.

This was a well managed and operated evaluation. They operated three pilot reactors, and BIO-SYSTEMS was the chosen bacterial bio-augmentation product and a stimulant only product was also selected for evaluation.

Performance of the bio products was looked at against the control reactor and historical data on the pilot performance.

A pilot plant consisting of three activated sludge model tanks was set up to treat effluent from the overflow weir of the primary clarifier. After achieving steady-state, the biological additives, which included a bio-stimulant and a bio-enhancement product, were added to the pilot tanks. Two of the pilot tanks were used to assess the effects of the biological additives and one tank served as a control. This additive loading occurred over a period of seven weeks; during which time TSS removal and COD removal were tested. This study found that the biological additives do improve bio-solids removal.

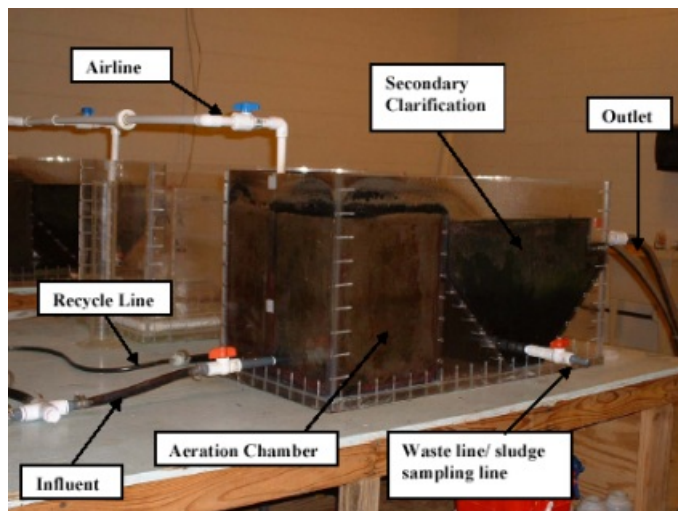


Photo from WEF ABSTRACT

The stimulant only product reduced solids production two to ten percent, whereas the BIO-BUGS B500 Blue achieved twenty three to twenty six percent reduction.

For further information on BIO-SYSTEMS B500 Blue check out our website at [www.biobugs.com](http://www.biobugs.com).

To download the full report at a cost of \$18.00 please email your request to Rich at [bscrich@aol.com](mailto:bscrich@aol.com). Note that the full report is copyrighted by WEF and University of Alabama. WEF charges an \$18.00 fee to download each full report.

