



# Biomasters Global, Inc.



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## CLEAN WATER SOLUTIONS

### BioTech/AgriZymes™ MPX-923

**\*Lakes \* Ponds \*Leaching Fields \*Septic Tanks \*Sewer Systems**

The operator of the Eagle Lake Sewer Utility located in the Town of Dover, Wisconsin, faced a growing problem on how to improve efficiency in his plant, while dealing with a tightening budget. Excessive hauling costs were a simple “fact of life” for this small municipal plant, and polymer costs were also quite expensive for the benefits achieved.



When using polymers, the municipal plant operation had to wait 6-7 hours to decant and they were pumping once every month.

#### Treatment Objectives

1. Eliminate polymer usage
2. Reduce sludge and the corresponding hauling costs
3. Implement a complete natural treatment program to enhance digester efficiency.
4. Improve overall settling
5. Reduce labor costs Eagle Lake Sewer Utility decided on an approach utilizing enzymes, bacteria and micronutrients.

Eagle Lake Sewer Utility decided on an approach utilizing enzymes, bacteria and micronutrients. **Efficiency and cost savings increased by 35%.**

## Program Used in Test

A program was designed implementing three of BioTech/AgriZymes™ MPX-923 all natural technologies:

**BioTech/AgriZymes™ MPX-923 Enzymes:** A broad spectrum blend of purified enzymes designed to rapidly speed up the natural biodegradation process. BioTech/AgriZymes™ MPX-923's enzymes enhance bioactivity by attacking and breaking down organic contaminants found in a municipal waste stream.

**PureFulvic Trace Minerals™:** A complete blend of beneficial micronutrients de-signed to provide both the naturally occurring and augmented bacteria the necessary vitamin supplement to enhance bioactivity, stabilize pH, reduce ammonia and phosphorous which optimizes the system



After switching to BioTech/AgriZymes™ MPX-923 products, the decant only took less than 2 hours and cut pumping frequency in half.

## Results

With polymer usage, sludge had to be hauled away every two months. A typical decant took six to seven hours. With the implementation of the complete program from BioTech/AgriZymes™ MPX-923, hauling frequency was reduced to every 3 months.

During the summer of 2006, the operator was able to extend this to four months. The decant became much less labor intensive and with the improved settling, this process took less than two hours.

With a hauling frequency of four times annually and with the elimination of the polymer, **Eagle Lakes Sewer Utility saved an estimated 35%**. This percentage does not include the additional savings achieved by improved labor efficiencies.