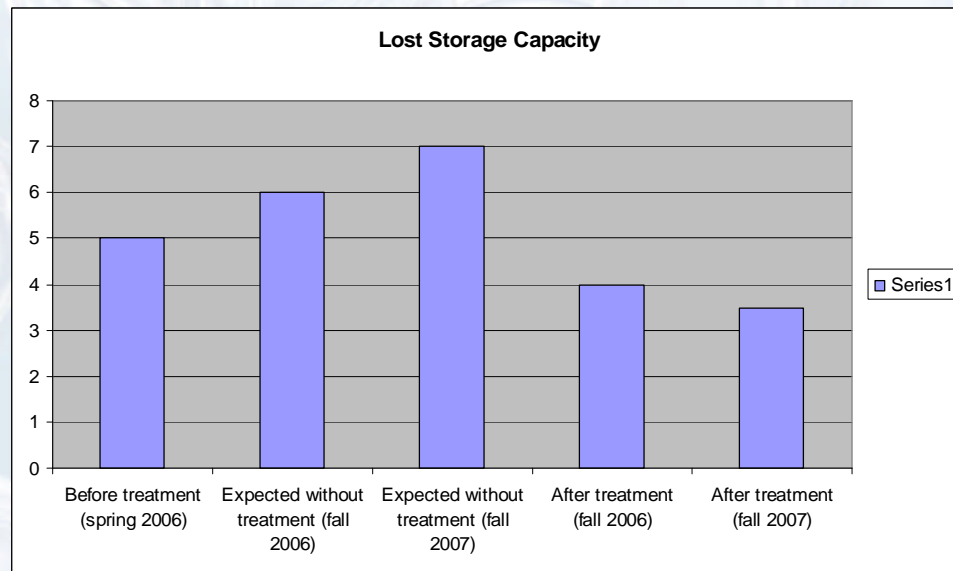


LITTLE CREEK HOG MANURE SLURRY STORE TREATMENT

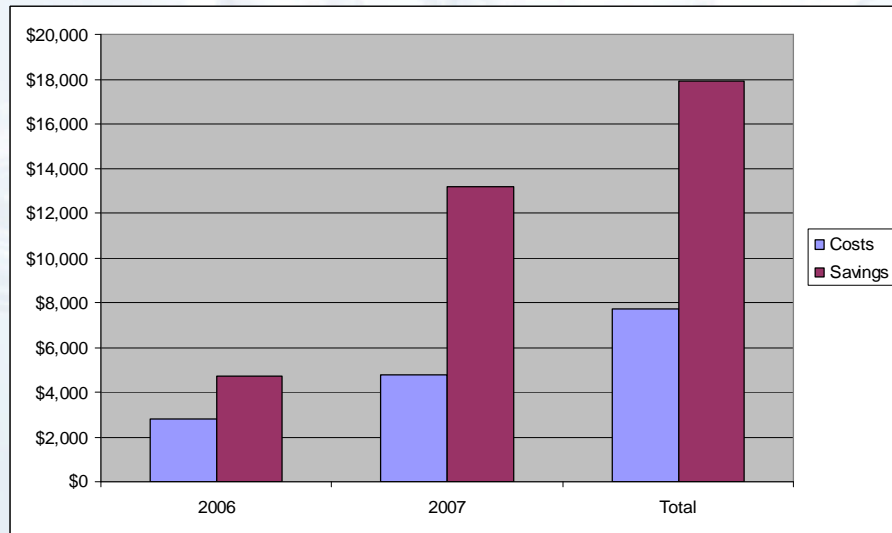
The Challenge: Significant build-up of solids on the bottom of the slurry store (approximately five feet) with an expectation of another foot of accumulation by the end of the season (fall 2006) .

The Objective of the treatment: Preventing the further accumulation of solids and reducing the existing level of sludge in the slurry store using the BactiDomus® Technology Bio4Swine®

In 2006 the treatment resulted in a 37% increase in the volume of slurry pumped as compared to the normal average. In 2007 the goal was only to pump 3,000,000 gallons to meet the Colony's fertilizer needs for the season. It is also clear that had they wanted to, they could have easily met or exceeded previous year's total of 3,700,000 gallons



In previous years the Colony was forced to lift front end loaders into the slurry store to excavate the accumulated solids. Not only did this involve considerable amounts of time, effort, and energy -it also created a serious hazard as extremely dangerous pockets of methane and other deadly gases that may have trapped in the solids could be released fatally injuring the Colony workers in the tank.



Note: The savings above do not include the fact that the colony was able to sell off excess slurry to a Neighboring farmer for \$30 per acre, recovering their fuel costs for this year due to the availability of additional slurry from the treatment.

In 2007 the Colony started operating their new partially concrete lined lagoon and the Bio4Swine was applied directly into the lagoon. According to Dave Waldner, slurry from the lagoon was then pumped into the slurry store. The Colony was able to completely pump out the lagoon with no need to backwash to remove solids and further reduce solids accumulated in the slurry store and pump all that slurry four miles with no problems creating a dual treatment with one application.

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