



## MICROBE-LIFT® Restores a Natural Refuge for an Upscale Neighborhood

**Location:** Appian Way Housing Development, Doylestown, PA

**Background:** Appian Way is a beautiful community of upscale homes in Buck County. This development maintains a common area of nine acres and a one-acre pond. In 2004, the property manager experienced a problem with ugly mat surface blooms on the pond. In addition, sludge was building up with the development of 1½ to 2 feet of bottom solids, and the fish were not visible due to the turbidity of the water. They had experienced fish kills due to lack of oxygen in the water.



**Fig 1:** Severe string and mat blooms destroy the beauty of this preserve. Turbidity and solids accumulating on shore detract further from this potential retreat. (pictures taken 4/21/2004)

**Objective:** The facility management contacted **Ecological Laboratories** who developed a treatment program using **MICROBE-LIFT®** Technology. The goal of treatment was to eliminate ugly surface scum, reduce the mucky bottom solids, and clarify the water. Nutrient levels were monitored and a dosage schedule was initiated.

**Results Achieved:**



Dramatic results were seen the first year of treatment and management has continued to use the product annually as recommended. After three years of treatment, the pond ecosystem has been completely restored. During treatment 3 to 4 inches of shoreline muck and over 2 feet of bottom sludge had been digested, fish kills were eliminated, and you can see the pond bottom in many places even though the pond is over 8 feet deep.

For more information on **MICROBE-LIFT®** Technology contact  
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