

Case History

Paradise Valley Golf Course
Fayetteville, Arkansas

AEROMIX® Surface Aspirating Aerator

Background Paradise Valley Golf Course, located in Fayetteville, Arkansas, is bordered by many single family homes and condominiums. A 3.5 acre pond is located between the 16th tee and green. The pond is highly visible to golfers as well as nearby home owners. The pond became an eyesore with annual algae blooms covering the entire surface. The blooms were so dense that golf balls hit from the 16th tee would stay on the

surface if hit into the water. Realtors even blamed the pond quality for difficulty in selling nearby properties.



Some years back the club installed two 5 Hp Otterbine aerators in hopes of solving their algae problem. This attempt only cleared algae from the immediate area surrounding the Otterbine units. "We tried harvesting, chemicals, fountains, and combinations of these and we still had a 75% algae cover on the pond" noted Mr. Dennis Collins, the Golf Course Superintendent.

Goals To provide a clean pond with a surface free of algae

Solution The course removed the two existing 5 Hp Otterbine units and replaced them with four 2 Hp AEROMIX Surface Aspirating Aerators. Going from 10 Hp to 8 Hp meant a 20% reduction in operating costs. The aerators were placed in the pond to provide maximum circulation. Rock covers provide inconspicuous operation to blend with the natural surroundings.

Results In early May the course took delivery of the AEROMIX units and located them in their pond. The electrician making the hookup was called away with only two of the aerators operating. Even with only two of the four units, they experienced a 90% reduction in algae cover on the pond and, according to Mr. Collins, "We have never seen the pond look so good this time of year."

On June 7th, the additional two units were started and the next morning the entire pond was completely free of floating algae. Collins, the club members, and nearby home owners are all impressed with the water movement, improved water clarity, and the aerators' ability to fight the growth of algae in the pond.

Benefits

1. The pond is completely free of algae.
2. There are no more complaints from club members and nearby home owners about the pond.
3. Energy costs are reduced by aerating with 8 Hp instead of 10 Hp.