

LAKE AND POND MANAGEMENT

INNOVATIVE SOLUTIONS FOR EVERY BODY OF WATER

More Than a Quarter-Million Acres Aerated

Pentair Aquatic Eco-Systems is the world leader in lake and pond management systems. Since 1978, we have improved the quality of more than 250,000 acres of lakes and ponds. All told, our staff of biologists, technicians and specialists has more than 50 years of field experience in pond and lake management.

No Matter the Size, Your Project Matters to Us

Whether you are looking to have a large reservoir aeration system designed and quoted, or you're simply troubleshooting a backyard pond, you're in qualified hands.

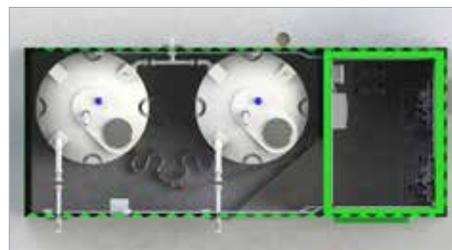
With true customer service support and attention to every technical detail, we provide the following services:

- Aeration system design and installation
- Lake and pond management consulting
- Stormwater nutrient load reduction
- Chemical injection systems
- Sediment inactivation treatments
- Hydrologic/Nutrient budget studies
- Custom Fountain Design

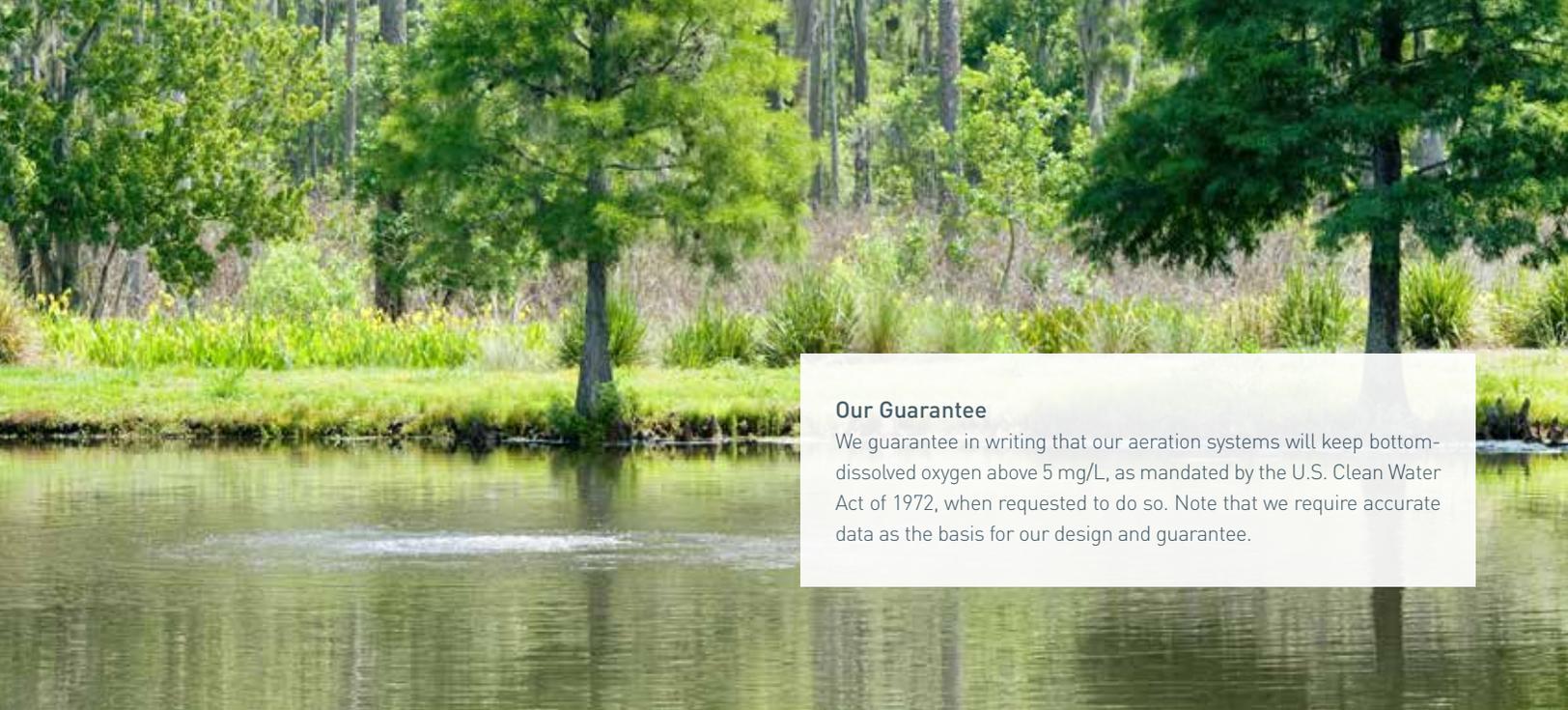
What to Watch For

Signs that you might need our Lake and Pond Management team:

- Frequent algae blooms
- Low oxygen in the lower levels
- Toxic gases such as hydrogen sulfide
- Foul odors and fishkills
- High nutrient levels
- Stagnant, inadequate mixing
- Lack of mussels and snails



The Mobile Alum Injection Device (MAID) is a fully automated flow proportionate chemical injection system that is capable of collecting real-time operational data and can be remote operated from a desktop PC. The system has alarm notification features in addition to user defined safety shutoff limits.



Our Guarantee

We guarantee in writing that our aeration systems will keep bottom-dissolved oxygen above 5 mg/L, as mandated by the U.S. Clean Water Act of 1972, when requested to do so. Note that we require accurate data as the basis for our design and guarantee.

"We have a three- to four-acre pond with wooded trees on one end. Every fall, leaves and a shallow area lead to algae growth and a foul odor. Even though the pond was being treated for algae growth, the oxygen level was being depleted faster than it could be absorbed and produced.

We started out with a fountain/aeration system, but it wasn't enough oxygen production for the size of our pond. Then, in December 2011, we had the Great Lakes Aeration System installed, which includes two diffusers on each end of the pond. The system is operating beautifully and the results are just amazing. We now have a clear, odor-free pond requiring fewer chemicals to control the algae. I would highly recommend this system to anyone. I only wish the system had been installed sooner. It was definitely worth the investment."

-Will DeJesus

A Deep Problem

At their lowest depths, bodies of water depend on oxygen. When water warms up during the summer months, oxygen is often consumed faster than it can be replenished. This reverses the purification process and nutrients that would normally be unavailable or "locked" in the sediment are recycled into the water column. These excess nutrients are just as harmful to a lake or pond as those that come from the surrounding watershed. Don't wait until you experience a fishkill to realize there's a problem.

Our Expert Solutions

Our Great Lakes® synergistic airlift diffuser assembly delivers up to 10 lbs of dissolved oxygen per horsepower per hour. Our Sweetwater® compressor delivers 8,000 gpm/hp of circulation—by far the highest in the industry—guaranteed.

Stability and Innovation You Can Count On

Pentair is the global leader in the design, manufacture and distribution of equipment, technology and engineered solutions for the handling and treatment of water. Our global reach ensures that lake and pond management systems will remain at the forefront of aquatic research technology for years to come. If it matters to you, it matters to us.

Proud Distributor Of:

Great Lakes®, Desert Rain, HeavySet®, Sweetwater®, MAID®



AQUATIC ECO-SYSTEMS™

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