

Dolphin Series Technology Is Building Advantages

• Cutting-Edge Rewards •

The Dolphin System™ is a proven, reliable, and chemical-free way to treat the process waters of cooling towers, chiller systems, heat exchangers, direct evaporative air-coolers (“swamp coolers”), steam boilers, hot water systems, and fountains. Through engineering and scientific principles, the Dolphin System offers major advantages for buildings.



Dolphin System Application: Alcoa Corporate Center (Cooling Towers and Boiler Domestic Hot Water)



Dolphin System Application: PNC Firstside Banking & Data Processing Center (Cooling Tower and Fountain)



Dolphin System Application: Veterans Affairs Medical Center (Cooling Towers and Steam Boilers)



Dolphin System Application: Yale University Music Center (Cooling Tower)

• Exceptional System Performance.

The Dolphin System improves the operational performance of the water-based systems to which it is applied. The Dolphin’s pulsed-power technology makes these systems more efficient and longer-lasting by eliminating or greatly reducing performance inhibitors such as: scale, corrosion, bacteria, biofilm, encrustation, and fouling.

• Environmentally Sustainable Progress.

Since it is chemical-free water treatment, the Dolphin System prevents exposure to and migration of hazardous chemicals. The best way to prevent exposure to hazardous materials is to not bring them into a facility. Dolphin technology resolves more than 10 OSHA and EPA concerns associated with chemical treatment.

• Energy Savings Payback.

The Dolphin System creates significant energy savings because it eliminates scale and biofilm. Payback is often achieved in less than two years.

• Economically Smart Planning.

Not only is the Dolphin System environmentally responsible, it is economically viable. Besides saving water and energy usage, the capital cost of the Dolphin System is exponentially lower than the operating expense of standard chemical treatment considering life-cycle costs. Green building and pollution-prevents tax credits further escalate the economic advantages of the Dolphin System.

Dolphin System Technology Applications

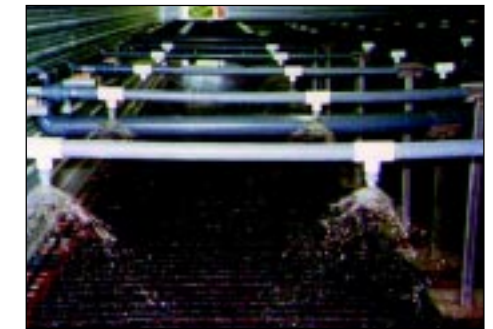
• Dissolved Mineral Behavior • Microbial Control • Biofilm Elimination • Water Clarity •



Dolphin System Cooling Tower Project



Swimming Pools Are Under Testing & Evaluation



Wastewater Treatment: A Future Possibility

CURRENT BUSINESS BASE

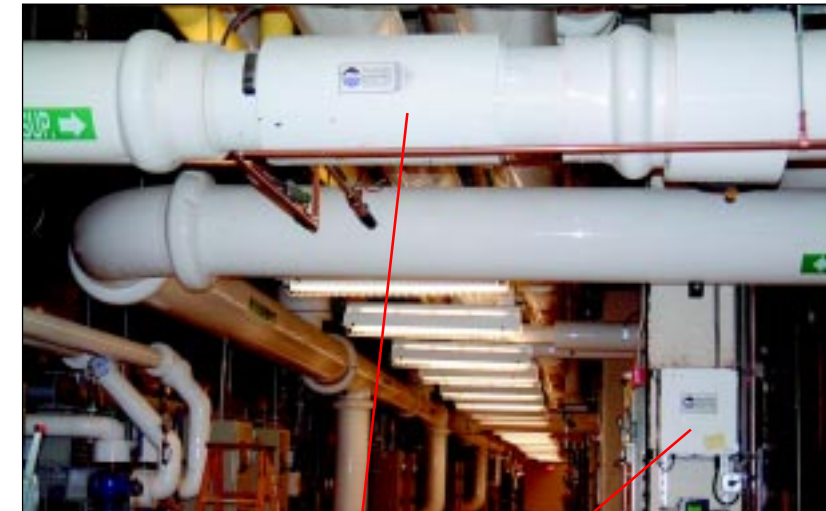
- ◆ Cooling Towers
- ◆ Chiller Systems
- ◆ Heat Exchangers
- ◆ Direct Evaporative Coolers
- ◆ Steam Boilers
- ◆ Hot Water Systems
- ◆ Fountains & Lagoons

MARKETS UNDER R&D DEMONSTRATIONS

- ◆ Swimming Pools
- ◆ Pretreatment for Membranes
- ◆ Groundwater Pump & Treat Systems
- ◆ Drinking Water Clarification
- ◆ Humidification
- ◆ Instantaneous Water Heaters
- ◆ Ingot Quench Cooling for Castings

EXPLORATORY OPPORTUNITIES

- ◆ Drinking Water: Microbe Control
- ◆ Drinking Water: Chlorine Reduction
- ◆ Non-Flowing Water
- ◆ Anti-Spotting
- ◆ Wastewater Treatment
- ◆ Combustion Efficiency
- ◆ Medical & Dental Systems
- ◆ Metalworking Fluid
- ◆ Industrial Niche Markets
- ◆ Residential Uses



Dolphin System Major Components: Coil Pipe Assembly and Transformer Panel



Dolphin System Applications on a Steam Boiler



One of 16 Dolphin System Applications on Cooling Towers at a Peaker Power Plant



Dolphin System Application on a Large Commercial Building's Decorative Fountain