



Medora Corporation

Benefits In Lakes & Raw Water Reservoirs

Long-distance circulation (LDC) equipment from Medora Corporation is designed to solve a variety of water quality problems in lakes and raw water reservoirs. It can prevent and control harmful blue-green algae blooms in the epilimnion, above the thermocline, or it can be deployed to treat the hypolimnion below the thermocline. Over 400 Medora Corporation projects currently use LDC to solve algae problems in the toughest lakes in the country. Many of these projects demonstrate long term sustainability with over 10 years of success. As a waterbody management tool, LDC is cost-effective in the systems approach to freshwater management and compliments the watershed management methods (nutrient and pollution reduction) currently advocated by US EPA policy.



Benefits of Medora's Epilimnetic Circulation:

- Prevent and control harmful blue-green algae blooms
- Reduce taste and odor problems in drinking water
- Improve dissolved oxygen (DO) and pH levels
- Improve water quality and aesthetics
- Reduce invasive aquatic weeds & filamentous algae

Benefits of Medora's Hypolimnetic Circulation:

- Prevent accumulation of Mn, Fe, H₂S and methyl-Hg
- Prevent fish kills

Equipment Types Available

SolarBee® and GridBee® circulators operate 24/7 to improve the water quality, with equipment flow rates varying by application and ranging up to 10,000 gallons per minute. Solar power is typically used on reservoirs large and small due to the difficulty and expense of running power. Air-powered or low-voltage electric circulators are available for applications such as city park ponds, marinas, and small stormwater ponds. For each project, a customized worksheet outlining the expected results is provided at no charge.

