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## Is your dissolved oxygen sufficient?

For Algae Bloom Prevention and Water Quality Improvement in Ponds, Lakes, and Reservoirs





Photo taken on February 5, 2020

(Approximately 7 months after system startup)







## **Field Test**

to the depth.

## Mechanism of Liquid=Film Oxygen Dissolution

Depth: 30m Air-exposed water typically contains dissolved gases with a saturation balance of approximately 37% oxygen, 58% nitrogen, and 5% carbon dioxide. This system transforms the entire volume of target water into a liquid-film form, dramatically increasing the gas-liquid contact surface area. This enables simultaneous degassing of oversaturated components and dissolution of insufficient components. As a result, it efficiently increases the DO (dissolved oxygen) concentration in oxygen-depleted water.

Depth: 10m

Depth: 20m