



AQUATIC MANAGEMENT

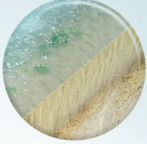
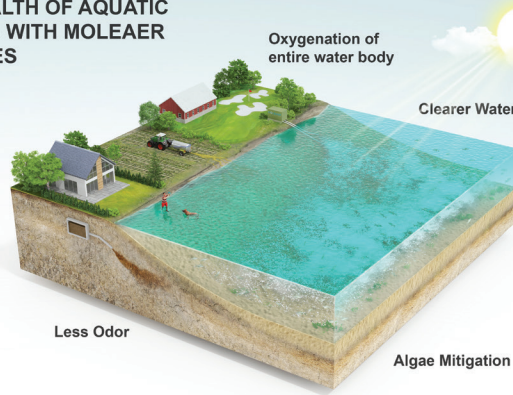
Nanobubble Solutions to Improve Lake & Pond Water Quality

Moleaer nanobubble generators provide a chemical free solution to treat lakes and ponds to restore ecosystem health and improve water quality. Nanobubbles can reduce algae and algae toxins, increase water clarity, reduce odors and off taste, improve sediment layer, and improve fish and aquatic ecosystem health. Moleaer has successfully treated >120 lakes and ponds around the globe.

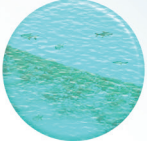
IMPROVE HEALTH OF AQUATIC ECOSYSTEMS WITH MOLEAER NANOBUBBLES



Shore-mounted / Plug & Play

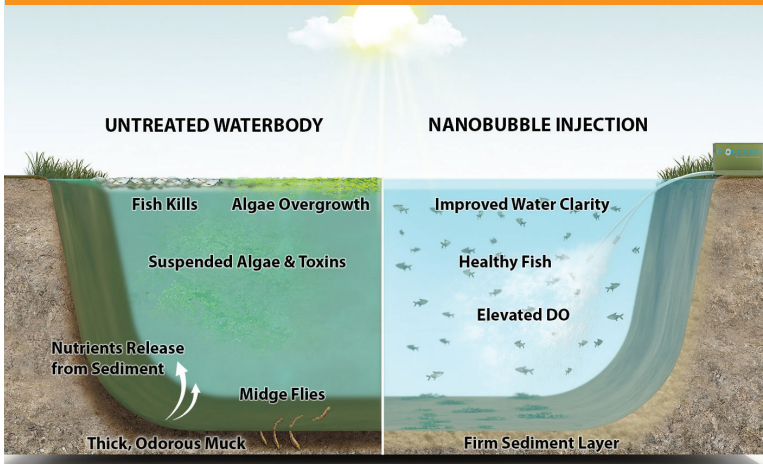


Muck reduction



Healthy Fish

Benefits of Nanobubbles



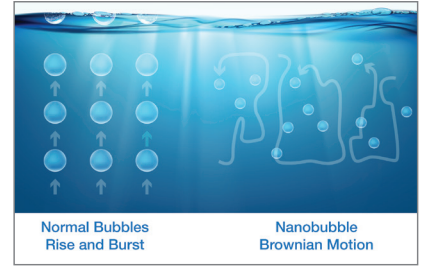
MOLEAER

Pain Point(s)	Moleaer Solution
Algae growth in lakes and ponds	Nanobubbles directly break down algae cells and reduce algae toxins without the need for harmful chemicals
Odor from the lake	Nanobubbles enable beneficial bacteria to outcompete algae for available food
Water is not clear or attractive	Increase water clarity and quality

How It Works

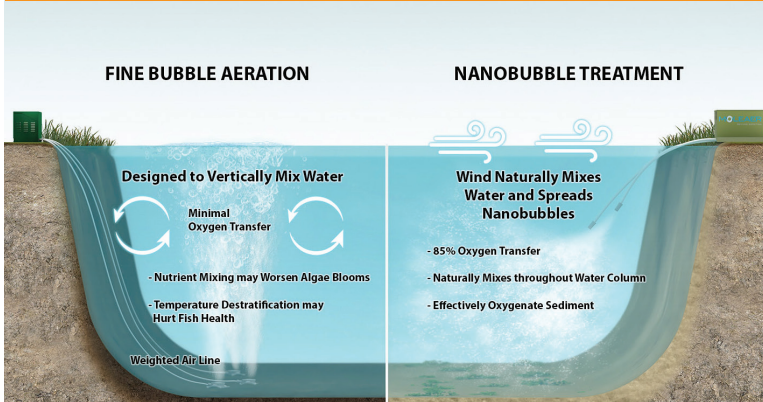
Nanobubbles

Moleaer's Nanobubble Generators produce trillions of nanobubbles each less than 200nm in diameter. Bubbles of this size exhibit, extraordinary properties including neutral buoyancy, a strong negative surface charge, and an enormous surface area per unit volume. When applied to lakes or ponds, nanobubbles increase oxidation-reduction potential (ORP) which measures the ability of a lake or river to cleanse itself or break down waste products. Nanobubbles can also elevate dissolved oxygen (DO) evenly throughout the water column and into the sediment layer, maintaining a healthy ecosystem.



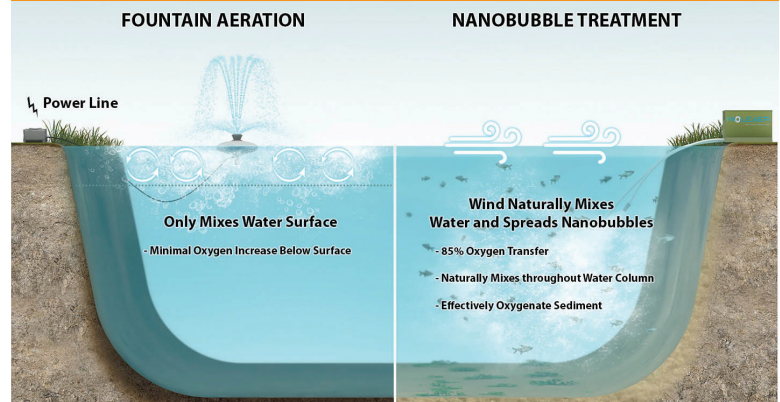
Nanobubble	Microbubble	Ultrafine / Fine Bubble	Coarse Bubble
<200nm	200 – 100,000 nm 500x nanobubble diameter	100,000 – 3,000,000 nm 10,000x nanobubble diameter	3,000,000 nm

Key Differences Between Traditional Aeration vs. Nanobubbles



- Due to their size, nanobubbles lack the buoyancy to rise to the surface
- As a result, nanobubbles can remain suspended at all depths

Key Differences Between Fountains vs. Nanobubbles



- Nanobubbles can effectively treat the entire water body and not only the surface

Case Studies

EXAMPLE
01



BEFORE



AFTER

EXAMPLE
02



BEFORE

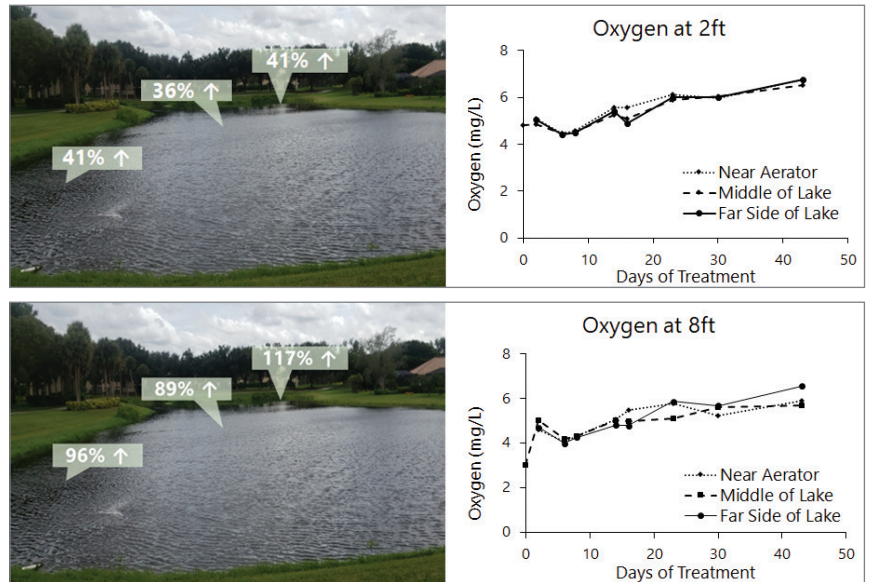


AFTER

Moleaer Installation and Impact



Moleaer Nanobubbles Impact on Dissolved Oxygen



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