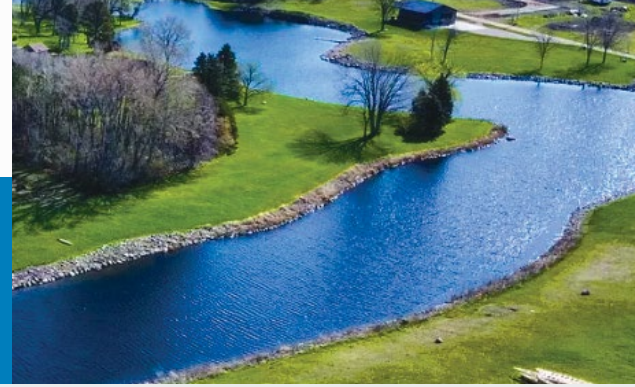


FROM EXCESS ALGAE & WEEDS TO IMPROVED WATER CLARITY WITH NANOBUBBLE TECHNOLOGY



Client: **Tranquility Bay**

Location:	Waterbody:	Unit Type:	Problems:	Results:
South Dakota	5.92 acres	Neo Nanobubble Trailer	<ul style="list-style-type: none"> Excessive algal blooms Aquatic weed growth Poor water clarity 	<ul style="list-style-type: none"> Significant water clarity improvements Visibly reduced algal blooms Reduced aquatic weed growth



Problems in Tranquility Bay

Big Stone Lake, a long, narrow, 12,000+ acre waterbody that traverses the South Dakota and Minnesota state line, is a popular local destination for fishing and recreation. Within this unique waterbody lies the 5.92-acre Tranquility Bay, maintained by the Tranquility Bay Property Association, an outlet that offers lakefront property to homeowners. Though its name implies serene water, the bay has been plagued with high nutrient levels from farming and landscape runoff that have contributed to excess algae blooms and aquatic weed growth. Locals sought a sustainable solution to mitigate the nutrient levels and help restore their tranquil bay to its former graces.

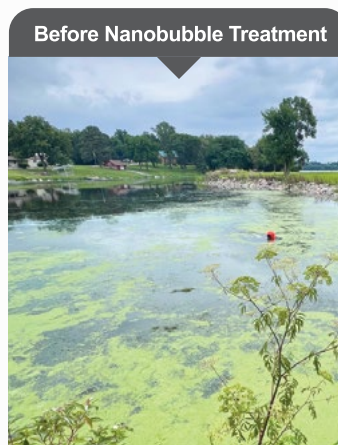
Nanobubble Treatment as a Sustainable Solution

Lake Restore, the exclusive distributor of Moleaer nanobubble technology for the region, worked with the Tranquility Bay Property Association to help clear up the bay using a Neo nanobubble trailer, which ran constantly from August 7 to October 3, 2024. During this period, Tranquility Bay experienced a transformation:

- ✓ Significant water clarity improvements
- ✓ Visibly reduced algae blooms
- ✓ Reduced aquatic weed growth



Tranquility Bay can now take pride in its name once again with the benefits of Moleaer nanobubbles. In fact, 19 days after nanobubble treatment started, a bay resident caught twenty-four northern pike in 2.5 hours, a feat he says he's never been able to do in the bay prior to nanobubble treatment.



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The Science Behind Moleaer Nanobubbles

As their name suggests, nanobubbles are simply nanoscopic bubbles. These bubbles have unique properties and behaviors that enable them to provide chemical-free water quality improvements in lakes and other waterbodies to reduce algae and muck and improve water clarity.

Moleaer technology enhances the aquatic environment by increasing dissolved oxygen throughout the water column and into the sediment-water interface, mitigating nutrient loading and stimulating natural microbial activity. The oxygen-enriched environment enables lake restoration, making it more resilient to algal blooms and excess aquatic weed growth.

Customers see less frequent and less severe algal blooms, clearer water, reduced muck and less foul odors. Many have even been able to significantly reduce chemical applications to treat algae.

Moleaer nanobubble treatment is a vital part of any adaptive lake management plan and can be deployed as a short-term treatment or long-term solution.

LAKE RESTORE

Lake Restore brings Moleaer nanobubble solutions to lakes in Illinois, Iowa, Minnesota, North Dakota, South Dakota, and Wisconsin..

**Moleaer's Exclusive Midwest Representative
Chad Woolson**

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🌐 www.lakerestore.com



Learn More About Moleaer Nanobubble Treatment.
www.moleaer.com/industries/lakes-and-ponds

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