



## Reservoir = First Treatment Step

Cornerstone H2O firmly believes that the first step in your water treatment process should occur in your reservoir. *Is there purer, less-expensive-to-treat-water available to extract from your reservoir? Can the quality of water in your reservoir be improved? Can you lessen, or virtually eliminate, the effects of seasonal reservoir turnover events on your treatment process?* With Cornerstone H2O's multi-pronged approach to reservoir water quality optimization, the answer to these questions is **YES!**

### Cornerstone H2O can:

- Significantly reduce and in some cases virtually eliminate, taste and odor problems in reservoirs and lagoons
- Significantly reduce or virtually eliminate soluble Iron and Manganese problems in your influent water
- Remediate the water quality conditions in your reservoir so treatment risks are minimized in the future
- Monitor a variety of key water quality parameters throughout your reservoir, and wirelessly communicate this information on a continuous basis to plant staff
- Spread out the costs associated with enhancing your water quality through a simple reservoir or lagoon water quality optimization contract

## Our Proactive, Multi-Faceted Approach to Reservoir Management



*Before Treatment*

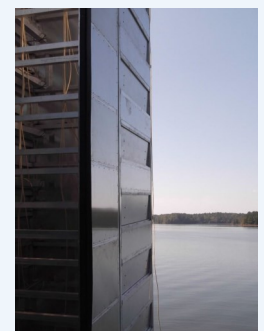


*After Treatment*

1. Monitor water quality throughout the water column
2. Locate the best, most desirable water available
3. Bring only the very best water available into your plant
4. Treat this relocated water if necessary
5. Suppress algae formation throughout the body of water
6. Remediate the lower depths of the reservoir or lagoon



WATER|SELECTOR™





### Reservoir or Lagoon Circulation

- Oxidizes Iron and Manganese with hypolimnetic circulation
- Eliminates blue green algae with epilimnetic circulation
- Solves taste and odor issues.



### Modular Lagoon Cover System

- Individual Casings are connected together to form a complete floating cover
- Insulation values from R-2 to R-30



### Comprehensive Reservoir Management

- The Water Selector™
- Other water positioning solutions
- Leasing and Reservoir Management Contracts
- Comprehensive repertoire of reservoir treatment solutions



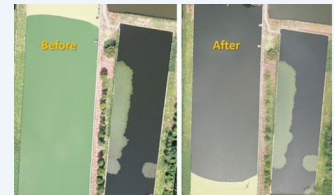
### Nano-Bubble Generator

- Bubbles are neutrally buoyant and do not rise to the surface
- 20X the Oxygen Supply per HP as compared to fine bubble systems



### World Class Baffle Curtains

- Optimize retention time and chemical contact with engineered water flow patterns
- Eliminate short-circuiting, dead zones and sludge buildup
- Lagoon covers to block sunlight for algae and odor control



### Algicide

- Time-released and floating
- Can be used before blooms begin
- Requires much less chemical than other methods and is environmentally friendly
- Does not require special equipment to distribute in a body of water



### Aeration, Mixing and Skimmers

- High-efficiency aeration and mixing
- Unbeatable Oxygen transfer



### Resource West Evaporation

- Engineered evaporation that meets new air quality regulations
- Operating cost is approximately 1¢ per 100 gallons evaporated
- Floating units or trajectory units available