

Water Quality at Spring Lake Beach

The quality of the water at Spring Lake Park is tested and monitored by the Lake County Health Department every other Monday and also on Memorial Day and Labor Day. Additionally, the Lake County Health Department performs preseason sampling every year. If there is ever an indication the water is not safe for swimming, Lake County Health Department would shut the beach down immediately.

Additionally the Village has a professional service agreement with Clarke Aquatics to perform treatments on the water which controls the algae levels. Clarke Aquatics also tests the pond ph levels, monitors the oxygen levels and keeps record of the pond temperature.

Finally, the Village has a pond diffuser system which assists in keeping the water quality at safe levels. The Aeration system installed at Spring Lake Park is classified as a "fine bubble" aeration system. A compressor on shore pumps air through multiple hoses which are connected to an underwater aeration unit. Attached to the unit are a number of diffusers which create the aeration bubbles which stimulate beneficial pond bacteria.

Below are listed benefits of Pond Aeration:

Benefits of Pond Aeration

- Increase Dissolved Oxygen Concentrations
- Eliminate Stress to Fish & Aquatic Organisms (Fishkills)
- Increase Water Clarity (Transparency)
- Reduce Algal Blooms (Algae)
- Reduce High Metal Concentrations
- Reduce Nutrient Releases by Anoxic Sediments
- Improve the Quality of Fisheries
- Lower the risk of spreading West Nile Virus
- Reduce Buildup of Poisonous Gases
- Reduce Release of Noxious Odors
- Reduce the Accumulation of Sediments
- May Reduce Nuisance Levels of Aquatic Plants
- No Electricity in the Water
- Warranties on all System Components
- Reduce Mosquito populations
- Stimulates beneficial Pond Bacteria