



ENVIRONMENTAL CONSULTING, INC.
Providing Environmental Solutions



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Alarming Effects of Excessive Pond Water Temperatures

During high-temperature months, especially during excessive heatwaves, if the temperature of the pond water is 85 degrees or higher, it can result in lowering the aerobic capacity of the pond. When the capacity of the pond is lowered, it can cause decomposition of plankton and algae. Hotter water also leads to a major decrease in Dissolved Oxygen levels, which creates anaerobic conditions. These conditions cause an in-balance of nutrients in the pond's water column.



Sudden changes in the water column can result in fish kills as well. Additionally, large rain events can also rapidly circulate the water in a lake or pond, causing changes in the position of oxygen rich water in a short period of time. This quick 'turnover' of the water can quickly decrease the amount of oxygen available to fish, essentially causing them to suffocate.

Due to these factors, results of aquatic herbicide and algaecide applications take longer to yield physical results in the water column due to the increased time it takes for decomposition and disappearance of the treated target pond weed or algae species.

If you have any questions or concerns, please contact EECl's professional office at 302.684.5201 or via email at info@envirotechecinc.com!



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