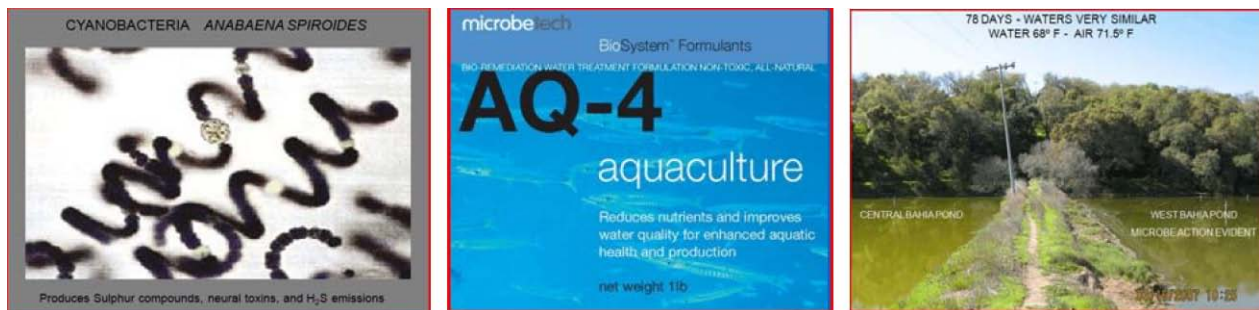


TOXIC ALGAE TREATMENT & ODOR CONTROL WEST BAHIA POND – NOVATO, CALIFORNIA 2006

West Bahia Pond contains 110 acres of shallow wetland and is located in the Petaluma River Drainage in Novato, California, that drains into San Pablo Bay, then to the Pacific Ocean. The drainage typifies waterways with high nutrient loading. Water conditions were septic with very high hydrogen sulfide (H₂S) concentrations of 300+, sulfur compounds, and neural toxins.



Sulfur compounds & neural toxins were produced by blue - green algae - a global problem.



The blue-green algae *Anabaena spiroides* infested pond was treated with AQ-4 microbial mix at a rate of ¼ pound per acre-foot. The water quickly turned brown and **odors disappeared**. Dead plants within the flooded pond basin (levee failures) released silicone for diatom use from the microbial conversion.



Diatoms and microbes finished cleaning the waters and the fish and wildlife returned. Five months after the treatment with AQ-4, the pond was the only pond in the complex with high numbers of waterfowl, and had the cleanest water. Residual treatment occurred when the area flooded again and washed more *Anabaena* into the pond. Overflows back into the wetlands resulted in reverse cleaning there as well, but the extent of that cleaning was not documented.

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