

David W. Hanson
1030 Angelo Drive
Minneapolis, MN 55422 4706
Home Phone: 763 588 1478 Fax: Same
Email: davidwhans@aol.com

September 5, 2001

Mr. Terry Vogt
Remington & Vernick Engineers
232 Kings Highway East
Haddonfield NJ 08033-3899

Re: The Clean-Flo Aeration Systems on Sweeney Lake, Minneapolis, Minnesota

Dear Mr. Vogt:

The Sweeney Lake Association started aeration on this lake in 1972 using equipment purchased from a "competitor" of Robert Laing and the Clean-Flo Company. I use the term "competitor" loosely for we found out very quickly that other "aeration" programs are not the same. After having little or no success with the competitor, but still believing that aeration might be the answer, we contacted Mr., Laing and Clean-Flo and had their system installed in the lake in 1973. I have been the maintenance and repair-person for this equipment for the entire time up to the present. Sweeney is a city lake with most of its inflow coming from storm sewers. My home, built in 1965 on the shore gave me a vantage to see the early degradation of the water with Blue Green algae growth caused by development around us in the early 1970s. We had formed an association then and were determined to do something about it. I was an active swimmer and water skier on the lake and so was very concerned.

We learned of aeration and decided to try it. We liked the idea of only using air or oxygen to clean the water not alum or other poisons. The Clean-Flo equipment has been continually upgraded by us and we now have 14 diffusers (more are still needed) in our 80 acre, mile long lake. It is up to 28 feet deep. Air compressors of which we have 8 now last much longer. We use two special winter aerator hoods that allow us to keep oxygen on the lake bottom in the winter for the fish and more important the small critters that eat the muck.

We are pleased with the results. We have large bass and northern pike in the lake. We believe that receding of the black muck from the shoreline is because of the micro-organisms eating at the muck on the lake bottom. Certainly with the huge inflow of storm water we now know we should have more aerators that would make the results even better but without city help it is a slow process. We use power boats on this lake. I still water ski at 72, and know the children are not troubled by swimmers itch or other problems because of the constant turning of the water causing oxygenation of the water.

If one of the compressors fails, I can quickly see the effect in the lake. That oxygen is important to keeping the algae in check. Altogether we are pleased and recommend the Clean-Flo system.

As some background, I am a Civil Engineer, and founded a prestressed concrete firm in 1970 (www.fabcon-usa.com) which I ran until retirement 5 years ago. Recently I have served on a Watershed Commission that includes Sweeney Lake.

With warm regards,

David W. Hanson