

October 27, 2000

Robert Laing  
Clean-Flo International  
6224 Lakeland Avenue North, #108  
Brooklyn Park, MN 55428-2937

Dear Mr. Lang:

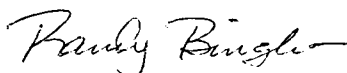
A few weeks ago you called inquiring as to whether or not we were getting any manganese reduction from the aeration system we installed in our "B" reservoir in October 1999. We have seen a considerable reduction in the manganese concentrations. The manganese has basically been eliminated by the aeration system. As you know, we only have about a 30 day supply of water in "B" reservoir when it is full. We pump water from two other reservoirs to "B" lake. The water has to cross "B" reservoir before it gets to the intake that supplies the water treatment plant. This year we have monitored the manganese concentration of the water entering "B" reservoir from the other two reservoirs and the levels have ranged from .6 to .8 PPM. The levels have been substantially reduced by the aeration system. Most of the time the manganese levels of the raw water entering the treatment plant have been near or below the finished water standards of .05 PPM.

As promised, I have enclosed a graph that displays our raw water manganese concentrations for the past six years. I was waiting until I got most of the data for October. The months shown are typically the worst months as far as manganese. I think the graph speaks for itself.

In addition to the manganese reduction, we have noticed a considerable improvement in water clarity in "B" reservoir. We have not seen the water this clear since 1994.

I think Steve has spoken to your staff about the problem we have had with the diffusers turning over. He dived to the bottom and inspected them in place and all four of the diffusers had turned upside down and the teflon covers were missing. We have built some weighted "legs" on which we are going to install the diffusers. We are going to experiment with this concept and see if it will prevent the diffusers from turning over. We will let you know how it works out.

Sincerely,



Randy Bingham, Operator  
Berea College Utilities  
CPO 2207  
Berea, KY 40404

# Managanese Concentrations - Raw Water

