

Eastlake Water Services
16720 S. Carlin Bay Rd
Harrison, ID 83833

Carlin Bay Property Owners
Water Report for May 2012

Operations

Plant operation was within DEQ specifications for the month of May, there were no violations.

We did report to DEQ (Suzanne Scheidt) that we were having trouble with two of our filters finished water turbidities and that we had to shut down that side of the plant and what actions we were taking to restore full plant filtration. Suzanne said that she would like to come visit our plant and her and Erik visited us in mid May. We showed her our backwash flow data, backwash turbidity data, and head loss data. At this point we (Eastlake Water Services) had a pretty good idea of the cause of high finished water turbidities in filters 2 & 4 and we told her that we suspected inadequate BW flow rates. It was our plan to force much higher BW flow rates (>200GPM, <260GPM) for filters 2 & 4. Typically BW flow rates are determined by the specific gravity of the anthracite medium, in our case BW flow rate should be <190GPM. She agreed. DEQ was impressed with our water operations, SCADA and auto-dialer systems.

We manually backwashed all four filters and adjusted BW flow rates to 220GPM. We measured BW and Rinse turbidity levels to determine effectiveness of the BW and Rinse cycles. All four filters were put on line and we made water at full capacity. Finished water turbidities for filter 1 and 3 were 0.014NTU's and for filters 2 & 4 the turbidity levels were 0.032NTU's. The result is that if the lake has high water turbidities it is required to manually BW and increase BW flow rates to the maximum without blowing out the filter bed or losing filter medium.

The plant for the past two weeks is operating great with no problems. We still have valve problems with two of our control valves. We will be contacting the CBPOA board for authorization of having Hydrotec rebuild these valves.

We worked with the board on cross connection letters to go out to members who have never had a survey and those members who need their cross connection devices tested on a yearly basis. Chris from Sapphire landscaping will be out on 15 & 16 June 2012 to do the surveys & tests.

Maintenance

No maintenance the month

Actions needed by CBPOA

Approval of rebuilding two to three control valves. Cross connection letters to go out to members.