

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

Carlin Bay Property Owners
Water Report for April 2012

Operations

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

Because of high lake water turbidity levels (5 to 25 NTU's) during the month we had to shut half the plant filtration system down (filters 2 & 4) as these filters were failing the 0.3 max. turbidity level allowed by DEQ. Opened and inspected filters 2 & 4. Everything appeared normal. These filters had their medium replaced in the last year. We are in the process of investigating why these filters failed and filter 1 & 3 had no problems with excessive turbidity (>0.3 NTU's) levels. Part of the process is recording head losses of all filters, recording backwash flow rates, and recording turbidities during the backwash cycle. We also suspect that we have at least a couple of control valves that have poor response times or not seating fully in the closed position.

During recording of backwash flow rates it was discovered that we have unequal backwash flow rates with some of our filters. Filter 1 during backwash has a flow rate of 260GPM at a PRV pressure of 40psi while filter 2's backwash flow rate is 80GPM at the same PRV pressure of 40psi.

Water meters were read on 4/7/2012. There were no overages.

Maintenance

We had Marty of Northwest Hydrotech verify operation of our Pressure Reducing Valve because of unequal backwash flow rates. He found no problems and the valve was operating properly.

Actions needed by CBPOA

No action required