

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

Carlin Bay Property Owners
Water Report for January 2014

Operations

Plant operations have been within DEQ specifications for the month of January there were no violations.

However we did have a problem with no water flow from the lake pumps to the water plant. Eastlake water operators spent two days troubleshooting the problem. The following is a brief explanation of the problem.

The problem began when the operator turned on the lake pumps and discovered that there was no water flowing from the lake pump. When he turned on the raw water faucet air was heard in the line. The pump was turned off and the other pump was turned on. Again no water flow to plant. VFD drives and power for the lake pumps were checked and found normal. It was then thought that we might have a leak in the line so we turned on the lake pump and walked the line from plant down to where the line enters the lake. No leak was detected. During that time the raw water faucet was turned on. A slight amount of very muddy water flowed from the faucet. Flow rate was insufficient to turn on plant flow switch. The pressure gauge for the lake pump supply line, located on Timberlane was checked. Gauge was defective and replaced. When the old gauge was removed there was no water in the supply line between water plant and Timberlane. There was a vacuum however created by the retreating water in the line. We felt certain that we had a leak somewhere between Timberlane and the lake pumps. R.C. Worst and a diver were called to inspect the line from the lake shore out to the pumps. The next morning they inspected the line and detected no leak. It was then thought that we might have an open check valve on one of the lake pumps or a leak that was not surfacing between Timberlane and the lake shore. American Leak Detection was called. While they were in route lake pump was turned on and plant operated normally. From all of this it is our consensus that we had a stuck check valve in the open position which allowed water to drain from the supply line back into the lake. American Leak was allowed to continue to site so that we could discuss another leak between reservoir 2 and reservoir 1. This is a slow leak from 2 to 5 gallons per minute which makes it difficult to locate particularly this time of year.

Eastlake Water Services would like to thank our community members who helped us out by conserving water during this time. To date the water plant is operating normal.

Thus far water plant has been operating within normal limits and no problems.

Maintenance

Replace both lake pump check valves. United Crown and R.C. Worst are being contacted for an estimate.

A lid is required for the culvert access point on Timberlane.

Locate the water leak between reservoir 2 and 1. This will require isolation to a specific area by turning valves off and on. American Leak might have to be called for pin pointing the leak.

Filter 1 control valves and backwash control valve require inspection and repair if required. I strongly recommend United Crown for this.

Repair of leaking pump to waste air gap line. An estimate is being sought from R.C. Worst

Actions needed by CBPOA

Approval of above maintenance upon receipt of estimates.