

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

Carlin Bay Property Owners
Water Report for AGM 2012

Operations

Plant operation was within DEQ specifications throughout the 2011/2012 year. All required DEQ tests for 2011/2012 were completed with no violations.

- 1) Oct. 2011: Reservoir 1 water leaks repaired. 110 feet of cracks were grinded then filled with Xypex. Corner of tank was re-enforced with steel plate. Tank then had water proofing applied to exterior walls and Westcoat, an epoxy, applied to top. When excavating around tank it was discovered that there was no thrust block, for pipe from reservoir to main, was held in place by plumbers strapping. Replaced 4" PVC pipe with 6" C-900, installed concrete thrust block, replaced gate valve. There was no drain pipe for the reservoir, outlet was capped, and removed cap installed a gate valve and ran drain pipe out to daylight. **This project was beyond the scope of Eastlake's contract with CBPOA, no additional monies were charged to CBPOA by Eastlake.**
- 2) Dec. 2011: Eastlake Electric replaced lighting fixtures in filter room and lab. Also new outside lights were installed adjacent to all outside doors. Eastlake Electric was low bid of three electrical bids submitted.
- 3) January 2012: Rebed of filter #4 successful. After rebed of Filter 4 we have not had a problem with the pump to waste flow meter being stuck because of filter medium in the paddle wheel. Turbidity values for that side of the filtration chain have been running low from .021 to .033 NTU.
- 4) January: A drinking water monitoring waiver for IOC's, Asbestos, Cyanide, SOC's, and Dioxin was submitted to DEQ December 2011 and accepted. The result is a yearly savings of \$2,960 for the SOC tests, \$160 for the VOC tests, \$20 for Arsenic test, \$750 for the Lead Copper tests. **Total savings in not having to test for these contaminants is \$3,890 per year.**
- 5) February: Alum pump was replaced with the backup LMI pump due to decrease flow rate. The low flow rate caused a plant shut down due to a high turbidity reading greater than 0.250 NTU's but less than 1.0NTU. Pump was rebuilt by Eastlake Water Services.
- 6) April: 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 maximum turbidity level allowed by DEQ. Opened and inspected filters 2 & 4. Everything appeared normal. These filters had their medium replaced in January of 2012. 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. 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 for each filter.
- 7) April: 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.

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- 8) May: Eastlake 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 was out on 15 & 16 June 2012 to do the surveys & tests.
- 9) June: A 2,4-D test sample was taken to Accurate Test Lab for evaluation. Results of their tests showed 2,4-D to be non-detectable in our water.
- 10) July: The consumer confidence report for the year 2011 was completed and sent to DEQ and Carlin Bay Property Owners board of directors for publication. We had severe lightning storms this month that caused damage to a telemetry transceiver and a water level sensor at reservoir #2. Automatic Electrical Systems (AES) replaced the transceiver and found a bad level transducer. They replaced the level sensor and surge suppressor. Water Plant painting bids were submitted to the board for approval. T. K.'s Painting submitted a bid for \$2,800 and J.L. Painting's bid was \$1,300. Bid was to power wash building and apply two coats of stain and back brush between coats. J.L. Painting was selected by the BOD.