



Board of Directors
Beverly Beach Improvement Club
 Monthly Report of System Operation
Month: May 2019

For the month of May, the Beverly Beach Improvement Club water treatment system ran well. Monthly bacterial results met state DOH requirements.

The well production data suggested water loss exceeding our target loss of less than 10%. Calculation over the past several months usage by BBIC indicates that the well pump is over-reading by 16%. This has been confirmed by WWS by comparison of the rate of production with the rated pump capacity. Using the corrected well production, better estimates of flushing and backwash volumes and same-day readings of the user meters and well pump meter, the water loss for May is re-estimated to be -1.7%. This is well below our target loss of less than 10% and indicates that losses are minimal and within acceptable limits. We are also testing older hookup meters and doing leak detection to confirm our understanding of these estimates.

If the corrected results for the next two months remain at similar low quantities, then when we replace the well pump, we will propose to also replace the well pump meter with a new calibrated digital meter and use those results in the future.

Production

| Based on Daily Log Sheets from: 4/29/19, to 5/31/19 | Current Month | Last Month | Difference % | Last Year | Difference % |
|--|---------------|------------|--------------|-----------|--------------|
| # of Days | 33 | 30 | | 30 | |
| Total Production | 323,300 | 233,400 | | 283,700 | |
| Daily Average | 9,797 | 7,780 | +21% | 9,457 | +4% |
| GPD/Home-108 | 91 | 72 | +21% | 88 | +4% |

| Consumption based from: 5/1/19, to 6/1/19 | Total Produced | Water Sold Meters | Backwash & Flushing Accounted | Change in Tanks Storage | Unaccounted | Difference % |
|--|----------------|-------------------|-------------------------------|-------------------------|-------------|--------------|
| Gallons(Actual) | 316,300 | 261,720 | 8,440 | 0 | 46,140.00 | 14.6% |
| Gallons(Corrected) | 265,692 | 261,720 | 8,440 | 0 | (4,468.00) | -1.7% |

Miscellaneous

05/01- Collected two monthly compliance bacteria samples.

05/22- Residential meter accuracy testing.

05/22- Collected compliance herbicide sample.

05/24- Took monthly well depth, well measured 229.60' static.

05/31- Total backwash for May was 8,440 gallons.

Recommendations

- Continue to test and replace system meters as needed.