



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

For the month of April, 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 April is re-estimated to be 10.5%. This is within reason of 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: 3/29/19, to 4/29/19	Current Month	Last Month	Difference %	Last Year	Difference %
# of Days	30	30		31	
Total Production	233,400	190,500		216,500	
Daily Average	7,780	6,350	+19%	6,984	+11%
GPD/Home-108	72	59	+19%	65	+10%

Consumption based from: 4/1/19, to 5/01/19	Total Produced	Corrected Well Production	Water Sold Meters	Backwash & Flushing Accounted	Change in Tanks Storage	Unaccounted	Difference %
Gallons	237,100	199,164	174,170	4,090.0	0	20,904.00	10.5%

### **Miscellaneous**

04/01- Took monthly well depth, well measured 229.60' static.  
04/01- Reset light and air compressor breaker.  
04/01- Checked out pump, water treatment facility and reservoirs.  
04/01- Cleaned bee hives off buildings.  
04/03- Collected monthly compliance bacteria sample.  
04/10- Collected compliance chloride and conductivity sample.  
04/12- Measured meter depths noted by meter reader for height adjustments.  
04/22- Reset air compressor breaker again.  
04/29- Reset air compressor breaker again.  
04/29- Total backwash for April was 4,090 gallons.

### **Recommendations**

- Continue to test and replace system meters as needed.