



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

For the month of March, 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 March is re-estimated to be 1.3%. This is well within 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: 2/27/19, to 3/29/19	Current Month	Last Month	Difference %	Last Year	Difference %
# of Days	30	31		32	
Total Production	190,500	166,000		213,600	
Daily Average	6,350	5,355	+16%	6,675	-5%
GPD/Home-108	59	50	+16%	62	-5%

Consumption based from: 3/1/19, to 4/1/19	Total Produced	Corrected Well Production	Water Sold Meters	Backwash & Flushing Accounted	Change in Tanks Storage	Unaccounted	Difference %
Gallons	186,300	156,492	151,354	3,150.0	0	1,988.00	1.3%

Miscellaneous

3/04- Collected monthly compliance bacteria sample.

3/06- Air and light breaker, reset.

3/08- 4298 Basswood Road timing verified and market excavation site for 8" mainline service tap/install.

3/11- Took monthly well depth, well measured 233.55' static.

3/20- Located (2) five-gallon buckets of chemical waste hidden in woods. Removed from woods and placed in secondary containment behind treatment building.

3/20- Service install at 4298 Basswood Road; corp stop threads cracked.

3/25- Finished service install at 4298 Basswood Road.

3/22- Reset breaker for air compressor and lights.

3/29- Total backwash for March was 3,150 gallons.

Recommendations

- Continue to test and replace system meters as needed.