

Treasure Island Water System

Annual Membership Meeting Report
July 11, 2015

Water Production

For the calendar year 2014 our three wells produced 11,631,998 gallons, which is 1,557,075 gallons less than 2013.

All time highest documented year was 2002 with 14,007,200 gallons pumped and the lowest documented year was 2008 with 10,018,000 gallons pumped.

Water Conservation

Water usage from January through June of this year is almost 20% higher than last year. (5,000,741 gallons vs. 4,196,829) Because of the low snowpack and high temperatures we are asking for your support in conserving water.

Water Quality Monitoring

Each month we are required to take a sample of our water to test for coliform. In September, 2014 we had the sample test positive for coliform. The sample was further tested for e coli bacteria. That test was negative. Per coliform testing procedures, six repeat samples were taken later that week. All were negative.

In October the Maximum Contaminant Level (MCL) for coliform bacteria was exceeded in the Treasure Island water system. A notice was mailed out to all members and also posted at well houses #2 and #3 explaining that while the violation was non-acute, the coliform specialist at the state Department of Health recommended that we chlorinate the water tank and water mains.

Chlorination occurred on October 20th. Weekly measurements of the residual amount of chlorine in the water system were taken. Chlorine levels dropped steadily each week, and on December 2nd, 2014 there was no measurable chlorine in the water.

The water system tested negative for coliform bacteria in November. Five samples were taken.

December's coliform testing was conducted Monday, December 8th. While only one sample was required, 3 were taken, one routine and two investigative. Those samples came back negative which returned us to our normal coliform testing (one sample per month) starting in January 2015.

All Coliform tests from January to June of this year have been negative.

Department of Health - 2013 Sanitary Survey

As reported last year, on September 12th, 2013 the Department of Health surprised us with an early Sanitary Survey. According to their rules, we weren't due for one until 2014.

When we received the report from the inspector, one possible **Significant Deficiency** was listed along with one **Other Finding**.

The possible Significant Deficiency (septic systems too close to our well heads) was researched and proven to be not a discrepancy. In our response to the Sanitary Survey, we requested it be removed from the report.

The Other Finding was related to our water pressure. According to the report, we were not meeting the current 30 psi minimum pressure requirement in our distribution system. Our system was not designed or built to obtain 30 psi. It was built to the then existing rule of 20 psi minimum pressure. In our response to the report, we stated as such and asked for it to be removed from the report as well.

In March of 2014 a follow-up email was sent to the Sanitary Survey Inspector asking for the revised report. The response from the inspector indicated they were still of the opinion we were not legal with our 20 psi water pressure. A response was sent back which included a letter our WDM received from the DOH in 1993 which confirmed we were a 20 psi system, not a 30 psi system.

In August of 2014, almost one full year from the time of the original Survey, we received a revised Sanitary Survey. The Survey now states that we do not have any Significant Deficiencies and the Survey also acknowledges the TICC Water System is meeting its regulatory requirement for minimum water pressure.

Water Meters – Total Installed – 224. Left to Go - 21

Last fiscal year, July 2014 to July 2015, a total of 28 meters were installed.

It is anticipated having the remaining 21 meters installed by the end of December 2015.

Water System Renovation Plan

In October of 2012 the Board issued a request for proposal to engineering services to develop a twenty year plan to upgrade the water system. The engineering firm of Gray and Osborne was awarded that contract. The plan was developed in two phases. Phase A was completed in October of 2013 and Phase B was completed in April of 2014.

After the final copy of Gray & Osborne's TICC 20 Year Water System Renovation Plan was received, a Special TICC Board Meeting was held on September 21, 2014.

The Standpipe Seismic Stabilization was voted by the Board as our primary priority.

Consideration on initiating any action on the Pressure Booster Pump and Fire Flow projects would be deferred to some future time.

An Informational Meeting was held on May 16th, 2015 at the Fire Hall with Warren Perkins of Gray & Osborne attending to discuss the 20 Year Water System Renovation Plan.

Maintenance

You may have noticed the new metal roof on Well House #3 (south end of the island). Rick Buran and Dave Madsen put in many hours and deserve a special thank you.

Well House #1 will be getting the same type of roof in the near future.