



TO: PSWID Board of Directors

DATE: March 28, 2019

FROM: Cato Esquivel
District Manager

RE: DISTRICT MANAGERS REPORT – AGENDA ITEM 5E

OPERATIONS

March 2019

Beginning on March 3 we observed that two of our tanks in Strawberry were at 30% capacity. Staff began investigating for main breaks at the booster and tank sites that may have ruptured. On Tuesday morning we discovered the break about a half mile south of Fossil Creek. We didn't receive any low water pressure complaints because the handful of residents that live along Diane Circle were not home, and, the water was running into a creek adjacent to these homes. We estimate that we lost about 500,000 gallons of water within the 72-hour period.

As you may recall we had a group of citizens from Pine Valley Home Sites attend our February 2019 board meeting. They conveyed that they were experiencing mud in their home water fixtures. They asked if we could investigate the cause and resolve it.

During the week of March 11th, staff repaired an existing 4-inch transit pipe in Ellison Rd., north of Prince Dr. Staff extensively flushed the 4-inch mains in Prince Dr, Ellison Dr and Ellison Rd to remove any and all sediment.

During the week of March 18th, staff, with the assistance of the County continue to address ongoing trench settlement in Strawberry Ranch 2. The District had 2-inch minus placed on Juniper Rd and Old Spruce and the County bladed in the 2-inch aggregate in areas that are failing.

Fishel Construction is working through out Pine and Strawberry installing new conduit. Along Whispering Pine Rd Fishel bored through one of our service lines that wasn't marked. Staff was dispatched to the area to ensure that Fishel's work was not held up and to make the necessary repairs to the water service.

During the week of March 25th, staff began replacing the MJ flanged fitting on the down side of the 6-inch PRV in Portal 3 in Pinon Loop because the existing fitting failed. During the process we discovered gas and electric lines under the 6-inch pipe and PRV. The work was completed without any additional complications.

WATER RESOURCES/ OPERATIONS CIP

The District has installed over 30,000 LF of 4-inch and 6-inch water main in Pine and Strawberry. This also includes about 200 new water meter services. We are expecting to have Portal 2 and 3 tanks fully rehabilitated and on line by April 2019.

Milk Ranch 2 and Strawberry Hollow 3 Wells

Staff ran both wells last week at about 20 gpm. Both pumped clear water and had no problems cycling on and off. Staff is still refining the gpm by using the pump curve technical information to determine the lowest flow rate we can operate the well without damaging the pump. Operating these wells in this manner may also lower the risk of disturbing the sand and sediment.

Re-Developing Existing and Abandon Wells

As you may recall we are working with ADEQ in bringing back online BVT-3 well. During the process recent information associated with BVT-3 in relationship to BVT-1 and BVT-2 was brought to our attention where it may be in the districts best interest to increase the depth of BVT 1 and 2 from 200-feet to 500-feet. We potentially could tap a different aquifer and potentially produce at least 30 gpm from each well.

Solitude Trails Water District

I attended their Board meeting on Saturday, March 2 at 10:00 a.m., to discuss our WSA. Since I was placed on the "Call to the Public" agenda item we were unable to have a public discussion regarding our WSA, STWID well, wheeling charges and other related issues. I am scheduled to attend their next board meeting in June 2019 to have a discussion regarding these issues.

Portal 4

As you may recall we have reached out to Portal 4 Domestic Water District to discuss a water interconnect that could provide 1 million gallons per month to PSWID. The initial discussions were regarding the rate per 1000 gallons of water. We suggested a tier rate approach that could be beneficial to both districts.

On Friday, March 22 I met with PCCDWID Board member Bob Langley and their District Manager Harry Jones. We discussed the interconnection between the two water distribution systems under SR 87 in and around the Strawberry Hollow Community. We will also discuss the potential rates, options and other details.

OPERATIONS CIP

Extending 6-inch Main

As part of the Strawberry Ranch 2 project we discovered an existing 6-inch PVC main on Juniper Rd. The 6-inch main extends north about 350-feet along an easement on Tanner Ralls (E. Ralls Grandson) property. The 6-inch main is SCH 40 PVC. We are working with local and JOC contractors on extending the 6-inch main about 200-feet to Fossil Creek, then extend it north approximately 500-feet on Wagon Wheel, then another 1,000-feet west on Fossil Creek from Wagon Wheel.

We discovered that we have a 20-foot easement along this parcel going north and south. This will allow us full access into the property to extend the 6-inch into Fossil Creek and west to loop in the existing distribution system.

Tomahawk Trail

As you may recall we have property owners along Tomahawk Trail that are interested in building new homes on their parcels. They have been advised that the District would need to re-test the water main and tank site to ensure its structural integrity and operational capacity.

Staff has begun the process of starting up the tank and booster station site. They have replaced two 6-inch above ground valves, one 2-inch valve and have tested the booster pumps.

They have also pressurized the 6-inch main in Tomahawk Trail and chlorinated and flushed. We are planning on redoing the process from the tank site through the booster pumps. We are planning on having this section of main and tank/booster site fulling online by next week.

PSWID has deed and title to the Tank and Booster station along Tomahawk Trail. This is based on the court Final Judgment of Condemnation, where PSWID was couvade Title and Deed to lot 71, Tomahawk Trail Booster/Tank Site (parcel 301-59-071).

Gila County accepted Tomahawk Trail in June of 2012. Gila County Roads Division also maintains Tomahawk Trail.