



TO: PSWID Board of Directors

DATE: January 17, 2019

FROM: Cato Esquivel
District Manager

RE: **DISTRICT MANAGERS REPORT**

AGENDA: 6D

OPERATIONS

December 17, 2018 – December 24, 2018

The leaks that staff encountered in Pine-Strawberry communities were water service connections in Torrie Pines, 2-inch waterline in Willow Tree, 1-inch tee to ¾" water service connection in Portals 3 and replaced 5-feet of 2-inch ABS waterline with SCH 80 PVC.

Staff continues to replace meters due to zero reads. To date approximately 15 meters have been replaced. Staff was able to rehab Portals 2 Midway Booster which consisted of installing a new 350-gallon pressure tank, installing a pressure gauge on the high side of the existing PRV.

The 10,000-gallon polyurethane tank that the District purchased in 2016 was delivered to PSWID. The tank is being stored at Tank Farm site until the Portal 2 & Portal 3 tank rehabilitation projects begin.

December 24 – January 4

This week because of the freezing temperatures staff has been in "reactive mode" due to the volume of frozen water service lines that have been breaking throughout Pine-Strawberry communities. Most of these breaks were on the customer side and we were able isolate them at the meter.

We did have a couple PSWID tank and well sites freeze that haven't in the past. One was the Brookview Terrace (BVT) tank site. One side of the booster manifold had frozen solid due to it being exposed to the outside elements. The building that provides some level of protection from the cold for the booster pumps had developed a hole on the side of the building. The building was repaired, and the booster pump was placed back into service.

The other was the Portals 2 Well site. The manifold had frozen solid due to the heat tape GFI outlet tripping. Staff isolated the GFI outlet to a dedicated breaker and re-insulated the manifold.

An additional site froze causing the hydro-pressure tank to burst. This occurred on Cherri Lynn and Valley View Rd. Initial investigation suggest that an existing 2-inch ball valve froze which stopped water from discharging from the tank. Staff was able to disconnect the pressure tank, re-plumb and insulate the remaining piping and fittings to place it back into service.

Canyon Tanks

Canyon Tanks telemetry system is still out of service because APS disconnected the power to the site. The power was disconnected because of the APS meter panel separated away from the power pole. When the Canyon Tanks water level gets to a certain low point the telemetry system sends a signal calling for water from BVT. Now we are monitoring the tank levels through LevelCon and sending water to Canyon Tanks manually.

We received several calls advising staff that a portion of Strawberry, in and around Bay & Dime Drives didn't have any water. Staff discovered that the Homestead Booster Station at the end of Dime Drive pressure was reading 15 psi. Staff discovered that the Strawberry Ranch 2 PRV pressure was not set high enough on the low side of the PRV. The pilot on the PRV was adjusted to about 60 psi.

Tank Farm

During the week of December 31, 2018, we discovered an electrical issue with the well pump and motor. It was determined that we needed to replace the pump and motor based on the amperage measured was above the rated current for the electrical components.

On January 10, 2019, both the pump and motor were removed and replaced. The sounding tube was also removed and replaced.

The well is back online and is operating and running very well.

Milk Ranch Well No. 2

A new pump and motor were reinstalled at Milk Ranch Well 2. At the present time Milk Ranch No. 2 is offline. Milk Ranch 2 will remain off line until we can review the pump curve to calculate the lowest gpm we can operate the pump at safely.

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.

Pine Ranch 1 & Pine Ranch 2

Staff rechecked the pressure in the Pine Ranch 2 community with solely operating Pine Ranch 1 Booster Station. Staff increased the pressure at Pine Ranch 1 from 85 psi to 95 psi only to achieve a 20 psi reading at the highest residence in the Pine Ranch 2 community. Increasing the pressure any higher at Pine Ranch 1 Booster Station could create an unsafe operating condition.

Developing Existing Wells

We have discovered two well sites that appeared to have been abandon by previous administration. One well is located at the southeast corner of Strawberry and Eagle Drives, and the other is located at the end of Walnut Ln south of Oak Rd. The wells are on Pine-Strawberry District property. The water

levels for each of the wells are roughly 600-feet. We are in the process of reviewing drilling logs and associated well information. If the well information is found to be promising, we will proceed with redevelopment of each one.

Strawberry Hollow Well No. 4

We are still planning on removing and replacing the pump and motor. We are also going to conduct a 24-hour pumping test to understand the potential draw down of the well. We also anticipate using a bailer to remove sand and gravel at the bottom of the well.

BEAVER VALLEY WATER COMPANY

Beaver Valley Water Company began hauling water from PSWID on December 1, 2018. On January 14, 2019 we removed the meter from the fire hydrant.

Beaver Valley Water Company first invoice was sent at the end of December 2018.

Beaver Valley Water was able to get their water treatment plant up and operational during the week of January 7. We are working with them on a final invoice and payment.