



TO: PSWID Board of Directors

DATE: June 21, 2018

FROM: Cato Esquivel
District Manager

RE: DISTRICT MANAGERS REPORT June 21, 2018 *5.d*

Pine Strawberry Aerials

All the data has been uploaded to allow the consultant to use the information to create quarter section maps. The quarter section Maps and Map book are being created.

Tank Projects Statement of Interest

Has been finalized and is being reviewed by our district attorney. We anticipate posting the Request for Statements of Interest for the tank projects to our website and will be advertised in the Payson Roundup once we received direction from our attorney.

Strawberry View 1 Tank Project

We are waiting on Gila County to issue a permit to complete the installation of the meter panel and sub panels. Propane company also will be unable to set the tank without the generator being hooked up to the sub panel. I spoken to the Community Development director as well as his staff regarding the permit. APS will be unable to set meter or energize the well site without a "green tag" from Gila County.

Pine Creek Dr Project

I met with Ms. Maurine Heidorffer regarding the overall project and potential start date. Ms. Heidorffer advised me that she has been in contact with Gila County regarding assuming ownership and maintenance of Pine Creek Dr south of Hardscrabble Mesa Rd. She indicated that the county was to get back to her next week. I advised her that the installation of the 4-inch watermain could being as soon as sometime in mid-July 2018.

Statement of Qualifications to provide Waterline Replacement

The Pine-Strawberry Water Improvement District (PSWID) is seeking Statement of Qualifications from experienced contractors to provide Waterline Replacement and Water Facilities Improvement Project Construction Work, and related services, on an as-needed basis at various project locations throughout the PSWID utilizing Job Order Contracting (JOC) project delivery method.

It is the intent of the PSWID to select up to five (5) contractors for contract award. The initial term of the JOC will be for a minimum of one (1) year and may be renewed up to four (4) additional one-year terms. Renewal of the contract will be based on the successful performance of the JOC Contractor and the needs of the PSWID.

The SOQ will be advertised in the Payson Roundup June 22 and June 29. It will also be posted on our website.

Fire Department Connection Project

The project has been on hold since May 17. The contractor exposed a gas line while excavating on Hilltop Dr to install the FDC stand pipe. They returned to Portal 3 on June 19 to re-commence the project activities.

MANDATORY LEVEL 1 WATER CONSERVATION RESTRICTION Outline of the events that occurred:

June 11, 2018 5:36 PM

The Chairman and Board members were advised that our tanks are at 20 to 30% full and we can't maintain sufficient water levels. I requested authorization to send a "Mandatory Level 1 Water Conservation Restriction Notice" to all customers, other water districts and post on our website.

Also, we are water sounding 7 wells to better understand the water levels at each well. I will advise accordingly.

June 11, 2018 7:09 PM

I advised the Chairman and Board members, that we had some of our wells tested this afternoon (water sounding) and they are being over pumped along with neighboring private wells. We will be selecting one maybe two wells to add columns of pipe enabling us to lower the well pumps to get to the water. I'm also going to contact Harry Jones to discuss placing surface piping that would connect into our 6-inch main in Pine Creek Canyon Rd. We will use this temporary intertie to fill the tanks in Pine.

Once SV1 is back online, along with McNight and the tank farms we should be able to maintain water service in Strawberry.

Some of our tanks may be out of water tonight.

We have sent a message by email and by phone to the residential communities that may be affected advising them that they may experience low water pressure throughout the night.

June 12, 2018 11:30 AM

We stopped operating SH3 2-3 weeks ago because of high levels of turbidity (suspended solids)

SV1 is scheduled to be online at the end of June 22, 2018. We are waiting on the county to issue a permit, then "green tag" which will allow APS to set the meter and energize the well site.

K2 is filled by 300K, McKnight and SV1. K2 then fills Rimwood. The tanks in Strawberry are at sufficient levels.

All Water Sharing Agreement Wells are running at optimum capacity. Some of them are very small well producers but we need every bit of water.

The PSWID Chairman and Board members were advised and supported the Mandatory Level 1 Water Conservation Restriction Notice on a short-term basis.

Milk Ranch 1 & 2 are off line. With the existing distribution system, bringing all three wells online at the same time creates pressure concerns associated with the existing distribution system. Operating 1& 2 at the same time creates not only pressure concerns, but if there is enough capacity in the distribution system to distribute the volume of water being produced.

We just don't know. So, I asked staff to focus on the wells that feed into BVT tank and to investigate adding column of pipes to these wells.

June 12, 2018 3:53PM

Mandatory Level 1 Water Conservation Restriction was posted on our website.

June 13, 2018 11:58 AM

Getting SV1 on line isn't going to help us with the situation in Pine. The wells in Pine, in and around Oak and Meadow Rd, east of Pine Creek Canyon Dr are dry. Even if we get SH3, MR1&2 online we will still be unable to distribute water into this area.

We are no longer providing water to 3K because the lack of water in Canyon and BVT tanks. There are four wells that feed water into Canyon and BVT tanks. Jim and I have prioritized these wells. Jim is working on getting Aero Drilling out to the first well that is nearest and fills BVT tank to start the process of adding columns of pipe so that we may be able to begin pumping water out of this well again. We will continue this process until these wells have been extended or until we get water. At the moment we have residential areas along Canyon Creek Rd out of water.

I also advised Jim that I am ready to rent 6-inch piping and booster pumps to connect MR2 to fill Canyon and or BVT tanks.

We will begin flushing Strawberry Hollow 3 and Mike Ranch 2 in an effort to add additional water.

June 13, 2018 2:16 PM

PSWID Chairman and Board members were advised of the steps being implemented to address and resolve this crisis.

We are currently preparing Milk Ranch Well 2 to pump into Pine Creek to flush out the water enough to place the well in service. We are preparing Strawberry Hollow Well 3 to place it back into service. I am meeting with one of the original operators of the districts system to better understand how he was able to provide 1MGD from Strawberry Hollow Well 3.

Our initial plan was to add additional columns of pipes to 3-wells. We instead are/did add a device called "pump savers". Pump savers is a pump monitor device designed to protect our well pumps from dry-well, dead-head, jammed impeller, ...etc.

Staff is also providing 1-gallon jugs of water to the homes that are out of water.

Pine Strawberry Water Improvement District advised ADEQ of the ongoing situation and our plan of having it resolve by June 22.

June 15, 2018 2:58 PM

ABM Electrical Contractor will be out Friday and Saturday of this week to assist us in reconnecting the booster pumps located along SR87 & Pine Creek Canyon. Next week, Wednesday and Thursday ABM will perform a walkthrough of the sites and then begin installing the VFD's. We currently have one (1) 30HP in our possession for Milk Ranch 2. We have 5 more that were delivered, and we will be focusing on installing the second VFD on Strawberry Hollow 3.

June 15, 2018 3:27 PM

Today, contractor was able to get the starters and relays in the electrical sub panel connected. ABM also connected the stand-by generator to the sub panel that will be used to energize the booster pumps. One of the booster pumps has a bad electrical cable and we will need to be pulled and replace.

June 15, 2018 3:48 PM

ABM Electrical Contractor delivered a portable temporary generator along Pine Creek Canyon Dr. that will be used to energize the booster pumps in the concrete vault.

June 16, 2018 2:30 PM

Raining in Pine throughout the day. Started coming done at about 1:45. Contractor completed wiring up the booster pumps in the vault at northwest corner of SR87 and Pine Creek Canyon Dr. The contractor "bump" one booster pump and it was running. I had them shut down for the day because of the rain.

With these booster pumps, we now can move water from 300k to Canyon Tanks. We will begin doing this after the VFD is installed at Milk Ranch 2. We will begin pumping both Milk Ranch 2&3 into the system. This will provide us enough water in the system to move up into Canyon Tanks without reducing water services to the residential communities south of Strawberry Hollow.

We will begin testing booster station at the northwest corner of SR87 and Pine Creek next week. Milk Ranch 2 may be online next Thursday.