

## FLMWCo Manager Report June 18 ,2022

April and May were very busy getting the system ready to go for the 2022 season. Getting the plant up and running from its dormant winter went really smooth. Steve, Tommy, and myself spent one evening getting the plant running producing water. We followed a SOP I created for that and the training for the two went great. We worked together to disinfect both water tanks and all 3 distribution mains. We had some issues along the way including a bad diaphragm in the altitude between the 2 water tanks, it would now shut, luckily, we had the same valve around to use its diaphragm. The telephone system was down, that took 3 visits from AT&T to finally get resolved. We had a union get pushed apart by a growing tree on the North Line [first photo] and luckily, we were able to replace it. I had to call Glenn in to help me track down where I was losing some water on the North and South line, he was able to pinpoint where there was an open valve on each end and we got the lines to hold tight. There were a good number of leaks on the South Line which seems to be the worst of the 3, I had to get ratchet straps and tow straps to rig up and restrain the lines from moving, these are in the gullies. I stay on top reordering parts and material that we use up so we can have it on hand for when we need it. We lost prime on the intake pumps when on a super windy day, a piece of driftwood was banging up against a 3" ball valve on the shore which it knocked it sideways. That was very concerning not knowing if it did damage, so we were able to install gauges and pressure test the intake line for any leakage, luckily none. We have the gauges in place now to be able to test anytime we have any concerns.

I was able to get the system up and going for consumer consumption on May 10, that's when very cold weather came through as well. I did have some broken pipes and valves from the event which I addressed immediately and got the system tight again. Steve and Tommy were trained on doing plant checks and are getting better every time they go out.

We painted 2 coats on the plant which came out really nice.

We hot tapped a new service for 1075 Fallen Leaf Road as they wanted their own shut off and not be connected to others for water.

I have been working with Tom Swick on preparations for the SCADA upgrade, this will be ongoing this summer. I spoke with Jim Heraris regarding some needs of Tom's, he is willing to help make this a smooth transition.

I was testing the Automatic Transfer Switch out on the generator, and it sent alarms to the 2 -intake pump VFD's. I thought they should have been in remote, I struggle to clear the

alarms, Max tried to run me through a couple things to clear it, I couldn't. The next day Max and Glenn came out and troubleshot the VFD's. It turns out they need to be in Local mode. We are not sure why they faulted to remote, but we know for the possible next time.

I had problems with the generator and Automatic Transfer Switch, I needed a mechanic to come and fix the problem. Amerigen was able to get out quick and got the problem fixed. He topped off the radiator and weeks after he did his work, I noticed it went underneath the generator. I was able to track the leak coming from the water pump, I sent Richard a quote and got approval to get it repaired. Also, while testing the generator, I noticed the HMI shutting down which isn't good. Rob Wirth ordered new batteries for the UPS's and will install when they arrive, hopefully that fixes that problem.

We had a low tank level and it seemed like it was an electrical problem of some sort. Rob Wirth came and tracked it down to the float switch inside the steel tank, it got caught on a ladder rung, he suggested adjusting its position so we did and have been fine since.

The plant is running well, right now we are checking the plant 3 times a week. We will be walking the lines monthly to inspect the distribution system.

Our future projects are coming up with a game plan to address how to support the lines better across the South Line gullies. We also need to make a kicker or restrain of some sort for the very end of the South Line so it doesn't come apart anymore. We need to fix the damaged vent cover on the redwood tank.

Jason Hudak

[Note: we have added six photos from the ninety that Jason took during his work to get the system going. Those photos follow this report.]



Great sprinkler

This is the result of the growing tree.





Broken connection.

One of many.





Really no comment needed.

This is likely a break from years of snow load on the valve.





There are a number of these “trestles” across numerous gullies that occur along the hillside behind the cabins above Fallen Leaf Road.





Not much of an offset in the pipe, but just look at the spray.





This is the kind of “bandaid” that has been used in the past.