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Squaw Creek Water District Operations Report January 2025

Water Usage

January average Gallons per Day: 10,780 gallons

This number is likely lower than actual water usage due to the age of the totalizer. We recommend replacing the meter with a newer meter that can be tied into the new SCADA system.

Work Completed in January:

1/1/25: Low tank alarm. Checked on tank, but level was fine.

1/3/25: Met with homeowner Rich Lee regarding complaint of low pressure issues. Tried to adjust PRV. Refilled chlorine barrel and adjusted tank setpoints. Replumbed sample tap and chlorine injection point.

1/6/25: Checked infrastructure, pressures, tank levels, chlorine residual, and meters in pump house.

Adjusted setpoints for mid tank

1/7/25: Collected routine bacteria sample at 1855 Porcupine Rd. Results: TC negative, E.coli negative.

Received tank level alarms. Measured actual depth of mid tank. Phone call with Kenneth. Shut off wells, as they were overflowing because transducer was reading tank level incorrectly.

1/8/25: Pulled transducer from mid tank and recalibrated. Turned wells back on and adjusted set points. Installed pressure gauges in PRV vault and tried to adjust PRV.

1/13/25: Checked infrastructure, pressures, tank levels, chlorine residual, and meters in pump house.

1/16/25: Installed new pressure transducer in mid tank. Call with Kenneth to calibrate. Checked operations.

1/17/25: Pulled transducer from mid tank and recalibrated. Phone calls with David, Ben, and Kenneth. Purchased desiccant packs and refilled drying tube. Watched operation.

1/20/25: Checked infrastructure, pressures, tank levels, chlorine residual, and meters in pump house.

Met with Automation Werx, pulled transducer twice and calibrated. Troubleshooting. Possibly a bad card.

1/27/25: Checked infrastructure, pressures, tank levels, chlorine residual, and meters in pump house.

Pulled transducer and worked with Automation Werx to calibrate transducer with physical level in mid tank.

1/31/25: Met Automation Werx onsite to troubleshoot pressure transducer and SCADA

Upcoming Projects:

Get new tank hatches fabricated and installed for all four upper tanks that are at least 24" above grade and have a shoebox type lid. The current quote for 4 tank hatch extensions and lids is \$26,000. Due summer 2025

Place rip rap (medium-sized rocks) under tank drains/overflows. Due summer 2025

Replace totalizer meter in pump house vault with a meter that can tie into SCADA

Replace wire in meter vault at 1855 Porcupine.

Reprogram meters that are reading to wrong decimal.