



*Sewer- Recreation & Fire Protection*

## Spalding Community Services District

502-907 Mahogany Way Susanville, CA 96130 • (530) 825-3258

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David Handy

1 Jul thru 6 Sep 2024

### 2024 Third Quarter Report

Most days, I do several daily checks on the SCADA system through the SCADA computer or remotely through TeamViewer to ensure the system is functioning properly and record the daily flows for my reports.

Every Wednesday I conducted a visual check of the Ponds, Pump Stations, Lift Stations, Generators, and the Sewer Pipe over Pine Creek for damage, cleanliness, serviceability, and operation. I take pictures of this and store them on SCSD's Dropbox. I run the 4 Transfer boxes at Pump Stations through a manual 'generator exercise test' that lasts about 13 minutes. I recorded the transfer exercise information, tiger mag readings, and the LMUD readings from each lift station. I ensure that the Generators have oil, coolant, and a serviceable 12V battery. At the ponds, I ensure sewage is flowing properly from the distribution box into ponds 2 and 3. I also checked all 3 pond liners, fence line/gates and the 3 Well caps for any damage. I ensure that the vegetation management and control are maintained at the Pump Stations and the Ponds.

On Jul 1, 2024, I completed the fuel tank (diesel/gas) readings, consumption paperwork and emailed to office staff. Prepped paperwork and equipment for quarter pond/well sample draw for tomorrow.

On Jul 2, 2024, I completed the pond/well samples and transferred them to Kathy Tully (SGS) in Susanville. While in Susanville, Office staff had me purchase \$68 worth of stamps out of my own pocket. Worked on purchase order requests and submitted them to Office staff.

On Jul 3, 2024, while conducting my 'Maintenance Wednesday', at Pump Station 3, the generator had a small fuel leak from the fuel/water separator filter when the generator would run. I called Stewart, our retired generator service mechanic. He directed me to replace the fuel/water separator filter. At the pond's distribution box, I noticed sludge building up. Notified Kari (GM).

On Jul 5, 2024, Kari (GM) directed me to keep my weekly hours to 30 or less. I called Napa in Susanville for the generator fuel/water separator filter and Office staff picked it up. Sent email to Rebecca (Waterboard) asking questions about 'Volumetric Data' that is required to be imputed into GEOTRACKER.

On Jul 8, 2024, at Pump Station 3, I replaced the fuel/water separator filter on the generator. Test run, no leaks. Received email from Rebecca answering my questions. Discussed with Frankie Muse and Ken Rowe about the water truck being used to possibly flush out the 10,000-gallon cistern at the Pump Stations. Scott Hagen showed me how to set up and use the GoPro.



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On Jul 9, 2024, I pumped as much of the effluent out of the 10,000-gallon cistern at Pump Station 1. I put drop lights in the tank and took videos with the GoPro of the condition of the tank.

On Jul 10, 2024, I completed "Maintenance Wednesday". Lost access again to TeamViewer. I notified Jon (Aqua Sierra).

On Jul 11, 2024, I conducted vegetation removal at the Ponds. Jon (Aqua Sierra) restored TeamViewer access. Received 'Dig Ticket' from Kari (GM). I went to residents and verified that digging was nowhere near sewer lines.

On Jul 12-14, 2024, while I was at military training, received high level alarm for Pump Station 1. The 2 operating pumps were functioning; however, the effluent was mostly recirculating instead of being removed from the Pump Station. As I monitored the situation on SCADA through TeamViewer, I had volunteers in the community manually turn on Pump 1 until the 'Lo Lo Level Float' flipped and then manually turned off the pump.

On Jul 15-16, 2024, Vince (Administrative Assistant) forwarded the GoPro cistern videos to Dean (Sauers ENG). I set up a site visit for July 30, 2024. JD Leroy (Eagle Lake Construction) helped me gather equipment and then we went to Pump Station 1 to access the situation. Upon JD discovered that Pump 1 piping inside the cistern had become unattached at a coupling. He replaced the coupling. The next day, JD inspected/cleaned the 3 check valves inside the vault. All need to be replaced. JD explained the functioning of the vault and stated we needed to label all the pipes and valves later. JD stated that I need to keep the rainwater pumped out of the vaults.

On Jul 17, 2024, I was able to discuss and show Vince what my job consisted of. Vince also went with me as I conducted my 'Maintenance Wednesday'. I set Vince up with access to SCADA through TeamViewer.

On July 18, 2024, Bob and I loaded up the dump trailer with brush from the Marina for 'Green Waste'. I emailed Mason (CRWA) pics of our check valve so he could find replacement parts/new one. Scott Hagen used his metal detector to help me locate a buried EDU on Acorn Way for a new resident. We still need a quality metal detector.

On Jul 22, 2024, Pump Station 1, Pump 3 check valve sticking. Had to turn off Pump 3 for 10-15 minutes, then back on. Good flow. Notified Vince and JD. Need to replace parts or entire check valve. Received SSAL Report in email.

On Jul 23, 2024, I discovered the Honda pump linkage was disconnected. I reconnected. I used the pump at Pump Station 1 & 2. However, it leaves about 2-3 inches of water in the vault. Need a sump pump for the vaults. Scott Hagen assisted me in replacing the 'Pump's Off Float' on the float tree at Pump Station 2.

On Jul 24, 2024, SCADA stopped working. I discovered that the Verizon services for SCADA had not been paid and was shut off. Office staff paid the bill and service was restored. This required me to power down and restart each Verizon cradle point. I did this while conducting my 'Maintenance Wednesday'. Received an email from Mason with new check valve information that I forwarded to Vince and Kari.



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On Jul 25, 2024, Vince emailed me a priority list and stated that I try not to exceed 30 hrs a week.

On Jul 27, 2024, Went to Pump Station 1, shut off pump 3, no GPM. 10-15 minutes later turned back on – good to go. Check valve sticking. Verified through SCADA at Pump Station 2, the new float was working well.

On Jul 29, 2024, I called Dean (Sauers ENG) to confirm the site visit for tomorrow. He stated that he needed to reschedule for Aug 6, 2024. I finished the 2<sup>nd</sup> Quarter Waterboard Report and submitted it through GEOTRACKER successfully.

On Jul 30, 2024, I came to work with the alarms going off in the community hall. Disabled the 2 exit signs and 2 light. Most of the batteries tested bad. The bulbs tested good. Recommend a professional come to inspect/repair/replace. I notified Vince. I cleaned the SCSD's septic filter. Check valve stuck again at Pump Station 1. I emailed Dan (DFS) about the HSM003 module status. I put the spill kit in the green shed.

On Jul 31, 2024, I emailed Vince a copy of the 'Statewide Waste Discharge Requirements General Order for Sanitary Sewer Systems' dated 5 June 2023. I completed 'Maintenance Wednesday'. Notified Office Staff that the fuel tank (Diesel/Gas) needs the meter to be calibrated. Signed for new keys for SCSD.

On Aug 1, 2024, I completed monthly fuel tank readings and fuel consumption and forwarded it to Office staff. Bob and I went to Ponds and conducted vegetation removal. SCADA showed Pump Station 2, Pumps 1 and 2 running simultaneously at 118 GPM slowly reduced GPM and both shut-off after about 12 minutes.

On Aug 5, 2024, Re-soldered the battery clip for the shop garage door opener. Received our DFS module from Florida and emailed Mike Barmash when could we install our HSM003 – tomorrow.

On Aug 6, 2024, I worked on service one of the Stihl weed eaters. Call from Jerry Oliver about a pump alarm at someone's home, 686-790 Hollywood Way. I went there, no one was home. I shut off the alarm noise. I notified Office staff to let me know who lives there, so I can contact them. While there, I saw that Jerry Oliver built his new fence around the sewer lines black vent pipe. Now there is no access to it unless you climb over his fence or enter his property through his driveway. I notified Vince. Vince and I met Dean (Sauers ENG). We discussed the sewer and then went to Pump Station 4 and then 1. He shot elevations at Pump Station 1. The visit went well. I put together pictures of those Pump Stations and sent them to Vince for Dean.

On Aug 7, 2024, I had Mike Barmash on the phone to use TeamViewer to remote into our SCADA to transfer data from the loaner HSM003 to put onto our HSM003. However, TeamViewer would not allow access again. I notified Jon (Aqua Sierra) to please fix it again. Somehow the AP address keeps getting changed in the Verizon cradle point in the office for SCADA. Completed 'Maintenance Wednesday'. I did vegetation removal at ponds.



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On Aug 8, 2024, Bob and I did vegetation removal at ponds. One of the weed eater shafts broke in half. I put in the new battery for the defibrillator in the community hall. Pump Station 2, pump 3 is pumping at a reduced rate because effluent is back filling into the wet well. I notified Vince and JD. JD believes it's the check valve for pump 3 sticking. I forwarded As-builts of Pump Station 2 to JD.

On Aug 12, 2024, I checked TeamViewer. It's up and running again. Contacted Mike Barmash that TeamViewer is up. Bob and I did vegetation removal at the ponds. I noticed that the pond effluent measurements (freeboard) for the 3 ponds are off and will need to be redone for accuracy. Will do when pond levels get lower.

On Aug 13, 2024, Mike Barmash was able to complete the transfer of data through TeamViewer for our HSM003 and was successful. I had to re-input the phone numbers for the SCADA alarm call outs, and I added Vince's number. Bob and I utilized a ladder to reach the hangars for our sewer pipe going over Pine Creek. Over 90% of the nuts for the hangars were loose or very loose. I tightened all the nuts. C & S waste came and emptied our dumpster.

On Aug 14, 2024, I completed 'Maintenance Wednesday'.

On Aug 15, 2024, Denise Tulalia at 686-850 Cedar Way called about her sewer backing up. I called her and let her know that I had military training this weekend and would check out her issue Aug 20, 2024.

On Aug 16-19, 2024, during military training TeamViewer could not access SCADA again.

On Aug 20, 2024, I thoroughly cleaned my office. Staff meeting. I confirmed Ed Dobos (DFS) site visit for Sep 11, 2024. I received a 'Dig Ticket' for 687-490 Sycamore Way. I marked the sewer lines. I went to 686-850 Cedar Way and spent 15 minutes to determine Denise's filter was installed incorrectly preventing the effluent from flowing freely. I reinstalled her filter correctly. While there, I discovered that her EDU casing needed to be reset and raised to protect the piping. Upon digging it up, I discovered that the casing was busted. I reset the casing, but I will need to install a new casing once we can purchase a new casing. Jim Porter at 686-800 Ivy Way stated his sewer was backing up. I spent 15 minutes discovering that there was no flow from his septic tank to the EDU. I recommended he call JD (Eagle Lake Construction). I created an account for 'Underground Services' to receive 'Dig Alerts' to my email.

On Aug 21, 2024, TeamViewer still would not allow me access to SCADA. I called Jon again to fix the issue. I completed 'Maintenance Wednesday'. The laptop stopped printing. I had to remove and reinstall the printer. Problem fixed.

On Aug 22, 2024, I removed the weed eater blade, sharpened, and reinstalled. TeamViewer works, but the mouse for TeamViewer is not working. Had to remove and reinstall the SCADA mouse USB. Good to go. Today, Jon told me that the reason for the TeamViewer issues of the IP address being changed and not allowing me access was due to it being hacked. Jon put in extra fire walls and worked on a deal with Verizon that only he can change the IP address and any further attempts at being hacked, Verizon will notify him. The reason for hacking was to gain access to SCSD bank accounts and customers.



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Continued – I had to redo the account for 'Underground Services'. Went over Purchase Orders with Office Staff. Still unable to order anything. Went to Pine Creek and opened the emergency access for the emergency sewer pipe connections at each of the bridge. Need to develop an easier, faster way to gain access. I painted the metal lids green. The far end casing needs to be dug up and reset. The lids are pushed up by the pipes. I notified Vince. I conducted vegetation removal at the ponds.

On Aug 27, 2024, I sent Office staff more purchase order requests. I put together an 'Operational Technical Journal' binder. I also put together another binder for 'Quarterly/Annual Reports'. Hooked up dump trailer and went to Pump Station 1 to remove brush. Dumped brush at SCSD. Will take to 'Green Waste' at the dump Sep 20-21, 2024. Bob and I did vegetation removal at the ponds.

On Aug 28, 2024, I completed 'Maintenance Wednesday'. Received a call from Brandie Stowe at 686-855 Acorn Way that her septic was back up. I had to borrow a metal detector from JD to find her EDU that was buried several inches. I spent 15 minutes to determine that the issue was hers from her home to the septic tank. I recommended that she call JD (Eagle Lake Construction).

On Sep 4, 2024, I completed fuel tank (diesel/gas) readings and consumption and forwarded it to Office staff. I notified Office Staff that we were out of gas in the tank. I added TeamViewer to my cell phone. Charged 12v dump trailer battery. I called Linda Hembree to link up with Ed Dobos because he needed a place to stay Sep 10, 2024, for his site visit Sep 11, 2024. Confirmed with Kathy Tully (SGS) that I would transfer pond/well samples to her in Susanville on Oct 1, 2024. Completed 'Maintenance Wednesday'.

On Sep 5, 2024, Bob and I completed the vegetation removal at Ponds and finished vegetation removal at Pump Station 1. Dumped vegetation at SCSD. I received approval to be reimbursed for the purchase of latex gloves, weed eater twine and fuel mix. Gave Office staff the purchase orders.

On Sep 6, 2024, Ed Staub delivered the fuel (diesel/gas). I worked on a new excel sheet for 'Calculation for Sewer Ponds Monthly Report'. I conducted vegetation removal at the ponds. Need to make a drainage catch to pull the water away from the foundation of the maintenance shop that is created by the water purification system.

*David Handy*

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