



VILLA GRANDE

Domestic Water Improvement District

Note: All meeting minutes are posted for informational purposes only. The board of directors does not ratify meeting minutes until the next scheduled board meeting.

Minutes

January 16, 2025 • Regular Meeting

Call to Order: Bernie Vargas called the meeting to order at 7:03 pm.

Directors Roll Call: Present were Bernie Vargas, Allen Grant, Cauy Washburn, Terry Eickstaedt, and Ray Roerdink.

Discussion/Action Minutes: The Regular Meeting Minutes of 12/12/24. A motion was made by Ray Roerdink to approve and ratify the minutes for the Regular Meeting Minutes held on 12/12/24 as written and seconded by Cauy Washburn. Vote unanimous 5-0. Motion carried.

Call to the audience: None present to address the board.

Discussion/Action: ADEQ/Nitrate Treatment System. Joni Roerdink reported there were no new updates from AdEdge. We did have several issues with the system and were on conference calls with AdEdge and the technicians walked Joni through the system. We were low on salt and had to order some. The calibrations were off for the salt level. We were down to 1.5 feet of salt and it triggered the alarm. It also nearly ran the tank dry because of the cycle being stuck in backwash. The current SCADA system notified Joni and she went over to the site about 11:15 pm and we only had about 1.5 feet in the tank. Joni called Jack but had a hard time waking him. After about 45 minutes of calling, he finally answered. Jack walked Joni through several steps and it still wouldn't clear the alarm. He told Joni to go home that he was on his way over. He arrived about 12:30 am and stayed the rest of the night. He made a phone call to Doug Carver and between the two of them they got the system out of backwash and running again. Jack left and had numerous meetings that day but he called Dwight with AdEdge. Dwight was back in Georgia. Jack told him that I was going to call him and have Dwight walk her through clearing the other alarm. Dwight told her they would reset the salt alarm to 40%. Dwight turned the alarm off. Joni had already ordered the salt and it was set to be delivered. AdEdge thought it was our system but the salt level alarm was not on our system and VGDWID can't make that adjustment. AdEdge has to set the alarm level adjustments. Our salt delivery was the next day. The system was up and running but not the way it was supposed to. Jack called and said the well would not work in auto. It would not come on when it was supposed to in auto. Jack asked Joni to call the electricians and have them come back ASAP. Joni had to manually switch it on and off to avoid overflowing the tanks. The electricians came down and worked on the system for about 3-4 hours. There was an alarm stuck on. The electrician asked if we'd had a power outage. Joni told them not to her knowledge. We had a situation in the past where there was

a power outage at the well site but not in the subdivision. The same outage occurred at the prisons just north of us at the same time. The electrician stated he felt that may have happened and triggered the alarm code. The electrician cleared the code and got it working back in auto.

Jack had spoken the AdEdge and told them they need to set the salt alarm levels. They recommended setting two codes. One would be at 40%, but it will still run and not get stuck in backwash. We will use that alarm to order the salt for delivery within 3-5 days. That will give us time before the second alarm showing low salt level. Dwight helped Joni get all the salt alarm cleared out. Jack had called Joni again to see if she was at home and could go to the well sight. Jack and Doug were going to be on a conference call with her and walk her through clearing the other codes. After reviewing with his team, Doug stated it was our control panel that created the issue. Joni checked the system later that night and both the well and the feed tank were in auto and both were working.

Jack asked Joni to watch the system a couple of times a day. She did so on the SCADA and she also went to the well to visually see if it was working the way it should. Jack told Joni what to watch, such as the tank levels of both the storage tank and the feed tank, as well as the flow meters on vessel's A and B. Vessel A was out of service and Vessel B was in backwash so nothing was pumping. Jack walked Joni through the process. It goes from the well to the feed tank, through the nitrate treatment system and finally into our storage tanks. Joni noticed a low feed tank level. Joni couldn't clear the low feed tank level code.

The technician had Joni shut off the salt alarm that triggered the event. The alarm kept the system from completing the backwash cycle and ran the water level down in the storage tanks therefore causing a low feed level to the flow tank.

Jack called Joni to see if she had received the email from Doug. She told him no because she had been gone most of the morning. She told him she would check everything when she got back. Everything was running. Jack said that proved it was on their side not ours. They were arranging to send out a team to do some updates and make sure the two salt levels were included in the programming. They will also do more training. They also asked if Joni would come over for training. They just wanted to wait a few days to make sure the changes they walked Joni through were working.

The last nitrate sample that Joni received came in a 7.4 mg/L. That sample was taken about two weeks ago. MAP Sampling which is done every year, was just at the wellsite and Joni is hoping they took nitrate samples and we would get the results back in a few days.

As of today, Joni still hasn't received the updated calculations from Doug Carver to run the new projections for the system to confirm the regeneration frequency and volume of waste brine that will be discharged to the evaporation ponds.

As of today, the system is running, it is running as it is supposed to and it is running in auto and has been for the last four days.

Cauy mentioned that we need to figure out a way to monitor the system from Joni's computer without having to make numerous trips to the site as well as turn the well on/off, etc. He mentioned another SCADA system. Jack did ask if there is any way to tie into our SCADA system to see more details. That was just a couple of days ago so Joni hasn't received any kind of response to that question. The directors would like to know if we can

have some sort of control that will allow us to turn the well on/off from our computer as well as visually see other things that we currently aren't able to view with our current system. Joni will check on other controls from AdEdge, if any or if we can at least see them via the computer. Allen mentioned that may be a separate system from AdEdge.

Joni Roerdink also mentioned that AdEdge had sent a couple of final statements requesting final payment of the 5% retainer. The amount due is \$13,600.00. Joni stated that per their contract, we were waiting for a successful startup and the operation manual which was for written for a different system than what we have. She also told them that we were told it would take several weeks to correct the operation manual. Once the system is operating as it should, we have received all the deliverables, and they have addressed all the issues that ADEQ raised the final payment would be made.

Discussion/Action: Well #1. We didn't have any issues with Well #1 itself. It wouldn't run in auto but it appears to be working now since the engineers came and worked on the electrical caused by the alarm, possibly caused by a power outage.

Discussion/Action: Well #2. We didn't have any issues with Well #2 other than it is still currently offline. Jack is trying to get over here this month and replace the piping. The cost will be around \$2,000.00. We didn't have any issues with booster pumps. Jack also wants to use the pump to waste to flush some of the iron out of the well that he noticed before it is put back online.

Discussion/Action: Generator Maintenance Update. Terry Eickstaedt reported to Joni that the generator has 575.7 hours on it. The oil is good. The fuel tank was just below 5/8 full. Terry Eickstaedt said we will probably need fuel in February. All other levels look good. There were no bees at the site.

Discussion/Action: Permits for Water Service. Joni heard back from the attorney last week. The attorney responded with asking for a copy of our Customer Service and Policy Guide. Joni had sent him all of the questions from the directors for him to review and he responded that since we are a DWID, we are required to follow State regulations for addressing these issues. Joni also asked a few additional questions for him to also respond to:

- Can it be retroactive with the current customers that we are having issues with?
- Can we report violations as the Board of Directors to other agencies such as Code Enforcement and ADEQ?
- If the board approves this and makes it a part of our Customer Service and Policy Guide, should we have the attorney review it first before notifying customers?
- Which part of the Customer Service and Policy Guide would you recommend placing this information?

Ray Roerdink asked if the attorney has responded to these questions yet. Joni said he had not responded prior to the board meeting.

Bernie Vargas asked if our Customer Service and Policy Guide is published on the website. Joni stated that it was. He also asked if the letters should go out to all the water customers. It was agreed it should be sent out to all water customers. VGDWID does not want to target any specific individuals.

Ray Roerdink stated when we hear back from the attorney, that we should contact code enforcement. Ray Roerdink then asked where the regulations presented to the board came from. Joni stated they were from Pinal County. Ray mentioned that we send a letter giving them notice regarding compliance issues and let them know that if they are currently in violation of any compliance issues, they need to be corrected immediately or VGDWID will be reporting these violations to Pinal County, ADEQ or other appropriate offices. The consequences will be decided by Pinal County and/or possible water service termination for endangering our water source. It was also discussed that since Pinal County generally sends a 30 day notice to comply that VGDWID would do the same notice before reporting to the appropriate agency for compliance. If the County gives them 30 days VGDWID will follow their direction. If we receive notice that the issue has not been corrected according to County Regulation/Ordinance, we will terminate water services.

Discussion/Action: Managers Report. Joni Roerdink reported the following:

- Water bills were sent out on 1/1/25. Final notices were sent on 1/2/25.
- Disconnects were scheduled for 1/11/25. Past Due Amount: \$1,818.43 with 21 past due customers. There were no disconnects last month.

Discussion/Action: Equipment & Site Report/Lab Tests.

- Coliform sample came back absent.
- Nitrates came back at 7.4 mg/L.
- Another Nitrate sample was taken on 1/14/25 and we are waiting for the results.

Discussion/Action: Meters/Installations/Reinstallations/Leaks/Repairs.

- We did have a large leak across the canal. It appears that a water line was frozen and burst. The line may have been an illegal line. The line has been capped.
- Jack also cleaned up weeds and the well site and changed the filters on the nitrate treatment system.

Discussion/Action: Approve and Ratify Expenditures & Purchases. The Board reviewed the Expenditures and Purchases as submitted for December 2024. Cauy Washburn made a motion to approve and ratify the expenditures and purchases as written. Terry Eickstaedt seconded the motion. Vote unanimous 5-0. Motion carried.

Adjournment: The agenda being completed; Bernie Vargas adjourned the meeting at 8:08 pm.

Date: _____

Bernie Vargas

Allen Grant

Ray Roerdink

Cauy Washburn

Terry Eickstaedt