



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

December 6, 2017
Regular Meeting

Call to Order: Bernie Vargas called the meeting to order at 7:01 pm.

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

Discussion/Action Minutes: Minutes from November 8, 2017 Regular Meeting. A motion was made by Cauy Washburn to approve and ratify the minutes for the 11/8/17 Regular Meeting as written and seconded by Ray Roerdink. Vote unanimous 5-0. Motion carried.

Call to the audience: None present.

Discussion/Action: Lot A0163 – Meter Box Replacement. The letter was written as drafted to the customer as specified at the November 8, 2017 meeting and signed by all board members. Joni Roerdink mailed the letter to the customer. Joni has not heard anything from the water customer to date regarding the letter. Jack Cook replaced the meter box with a concrete box. The customer was there when the concrete box in installed and the barricade was placed over the box as required by the board.

Discussion/Action: Well #1: There was some discussion in November about putting well #1 back online. Allen Grant stated that we should look at putting the well back online since the nitrates are the same in well #2 as they were when well #1 was taken offline to have it scanned. Allen recommended that we prioritize the projects needing work with the nitrate treatment being the top priority followed by getting well #1 back online. Also noted by Allen is getting the work done on the waterline done near the canal. Cauy Washburn was in agreement with comments made by Allen Grant about prioritizing and waiting to get well #1 back online. When we get well #1 back online, it will need to be pumped regularly unless a method can be determined to discharge out into the open. Additional lab testing may be necessary if it is allowed to sit. We need to work on the nitrate system first and depending upon the nitrates in well #1 we may be able to blend with well #2. The nitrates in well #1 may be higher at this time so we will have to determine how low we can get the nitrates with the nitrate system before blending. Allen Grant asked if there is a recommended list of what needs and associated costs would be necessary before we can put it back online. Jack stated that it would need to be chlorinated and a Bac-T sample taken. Jack Cook also mentioned calling DWR for specifics. A discharge pipe could be run into the field. As long as it is clean water and not chlorinated, it is permissible to discharge in this manner. A new sand separator also needs to be added to well #1 as recommended by Jack Cook.

Ray Roerdink asked if we ever had a cost to get well #1 back online. A quote was never given to put back online. At the time well #1 was taken offline, the intent was to drill well #1 back to the original depth. That couldn't be done. Associated costs would have been additional electrical wiring and additional piping. As was determined, we can't go any deeper. If we can use our existing pump and motor, we would need additional drop pipe at this time. Allen Grant stated that we should get a quote from Jack Moore to get the drop pipe installed and getting well #1 back online. Allen also recommended getting the additional plumbing costs to discharge before chlorinating. The directors all agreed to have Ray Roerdink contact Jack Moore to get a quote on the charges associated with getting well #1 back online. The amount of drop pipe should be the same as the amount removed. The pump will be set where it was before. Cauly Washburn stated that we might need new wire depending upon condition. Allen Grant mentioned having a system in place to let us know when the system goes down and possibly avoid the problems encountered when well #2 went down. It may not stop the problem but it may alert the board to respond sooner and avoid prolonged costs. A suggestion was to install a pressure switch. This will be reviewed later.

Discussion/Action: Well #2. The nitrate sample came in at 14 ppm and the resample came in at 13 ppm. We have been moved back to quarterly testing per ADEQ. Jack Cook had already taken the nitrate sample when we were notified. The next sample for nitrates will be taken in January 2018. The coliform sample that Jack took came back as present. The resample came back as absent. The resample results were submitted to ADEQ.

Since the November 8th meeting, Jack Cook and Joni Roerdink have discussed the second booster pump. It has been making noise for quite some time. Jack thought he might be able to repair the booster pump. Jack took it apart and found the impeller had come loose. It was turning against the bottom of the pump. He fixed it and put it back in service. A couple of days later Jack noticed it was making noise again. He found that it was actually cutting a groove in the bottom. At this point the second booster pump is currently offline. The additional booster pump that we had is not the same. The motor base is different from the ones we currently use and the inlet and outlet are different sizes. There was some discussion about buying a new spare at a cost of approximately \$3,101 or buying the parts to repair would be about \$800.00. Ray Roerdink and Allen Grant both stated that we should get both. The repaired one could be a spare. Jack Cook can make the repair. Jack Cook submitted a quote for the new one and the parts for repairing in the amount of \$3,901. He was still waiting for the second quote. A motion to obtain the new booster pump and the parts for the spare was made by Terry Eickstaedt and seconded by Allen Grant to purchase both based upon the best quote. Vote unanimous 5-0. Motion carried.

Allen Grant also asked about the pump and motor that we purchased for replacement. Ray Roerdink mentioned that initially we had no information regarding size to provide to Jack Moore when it was ordered. With the pump that was put in, it was different than what was previously installed. To install a pump to pump the 100 gpm that we needed, Jack Moore said he could get and install the larger pump and then sell the one that was installed in November. Allen also asked the question about whether or not the well was filling with sand up to the pump. Jack Cook mentioned that there is no way of determining that without dropping a camera. That would not be an option at this time since the well would have to sit a couple of days before the camera could be dropped. We would have to have well #1 back online.

Discussion/Action: Well Site Security Update. Tabled. Nothing completed.

Discussion/Action: Generator Maintenance Update. Terry Eickstaedt went over to the well site to check the generator. There were 290.5 hours on the generator. There was about 5/8 tank of fuel. It was running well.

Discussion/Action: ADEQ. Joni Roerdink contacted Jim Norine at M3 Engineering and he forwarded some information that he received just prior to the last meeting. That information was provided to the directors just prior to the November meeting but not discussed due to the late receipt of the information and the directors not having the time to review prior to the meeting. Jim Norine also emailed Joni and informed her that he was working with one of their designers to evaluate the bids and send us the recommendation. The designer had called Joni and she needed some additional testing information before she could move forward. They had hoped to have

the information before the December 6, 2017 meeting but Joni had not received it prior to the meeting. Jim had been clarifying questions with both Culligan and Dytec regarding specific points in their proposals. They have identified the biggest challenge as identifying the expected quantity of reject water that will have to be evaporated or discharged. Jim also stated that he was done trying to deal with Raindance, which is the company the original information came from but also had the lowest associated costs. It has been nearly impossible to get information from them and they never return calls. He commented that if it is that difficult to get information from them now it may be worse if we actually need service from them. The costs for the system from Culligan and Dytec range from \$32,000 - \$84,000. This does not include the discharge pond, annual maintenance or associated fencing required.

Joni has had to postpone contacting ADEQ and WIFA with the new information due to the higher costs. When Joni had spoken to Sara Konrad from WIFA, she said to project on the higher side but we don't have any of the costs for the discharge pond or fencing that will be required. Joni has had to wait until we get additional information from these items.

Joni had spoken to Sara Konrad and asked about the median household income information. She reviewed our information and found that we are in a Colonia area, as established by a federal agency so we should be automatically considered disadvantaged for our purposes and we wouldn't need an income survey. She also mentioned that because our original loan was not made by WIFA, they can't forgive the principal loan but they may be able to forgive the principal loan on the new project (Nitrate Treatment System). They can refinance the original loan but not forgive it. Most of the pre-application completed by Joni was unable to be submitted because additional information was needed due to the cost of a much larger system to meet our needs. Sara recommended estimating the amount toward the higher end when we get the information. The actual application will be much more specific. Sara said to comment very briefly that our engineer and designer are currently working on the design but we would also have to submit a copy of the conditional ATC with the application to show it is required to be in compliance.

The engineer is working with his designer for identifying the expected quantity of reject water that will have to be evaporated or discharged. As soon as that is complete, he will immediately send the draft letter of recommendations.

Discussion/Action: Managers Report. There were 25 delinquent accounts on 12.1.17 with disconnects schedule for 12.11.17. The past due amounts total \$1,216. There was one disconnect last month. The customer moved out. Joni Roerdink is trying to locate the new address for the customer. Joni received one call from a customer requesting tokens due to poor health issues. Joni did ask if the customer had a R/O system, they did not. Joni had been coordinating tasks with Jack Cook when well #2 went down. The total water bill from the City of Eloy has not been received at this time. Jim's Water Hauling invoiced VGDWID for \$16,667. Joni received over 140 calls and 35 text messages regarding water issues when well #2 went down. Joni posted notices with all water customers asking to conserve on water beginning on Thanksgiving Day to avoid hauling water over the holiday weekend. The VGDWID was able to follow the Emergency Response Plan as submitted to ADEQ in March.

Joni had made a change to the format of the water bill to reflect the first 2000 gallons excluded from usage charges as requested. Allen Grant also requested to add the commodity charge if possible.

Joni received the engagement letter from Henry and Horne for the annual review and will need it signed by a director before submitting. The cost is \$3,900, which is the same as last year. This review is required annually by Pinal County.

Jack Cook made notes of all meters and boxes that need urgent repairs or replacement while he was reading the meters for the next billing. The costs of the concrete boxes are about \$41.00 each. There was also discussion about installing one pole next to the concrete boxes in high traffic areas prone to being run over by vehicles.

Discussion/Action: Equipment & Site Report/Lab Tests. The nitrates resample came in at 13.0 ppm. ADEQ notified Joni that VGDWID would no longer be required to submit nitrate samples on a monthly basis. The tests will be done quarterly going forward.

Discussion/Action: Meters/Installations/Reinstallations/Leaks/Repairs. Jack Cook replaced 3 boxes and 2 meters. One meter was removed on the west end of Pinto Dr. The lot is an empty lot and currently does not have a water customer on file. This meter was leaking earlier this year and it could not be shut off. The board asked to have it removed since there was no water customer on file.

Ray Roerdink made a motion moving forward that all meter boxes be replaced with the concrete meter boxes. Allen Grant seconded the motion. Vote unanimous 5-0. Motion carried.

Discussion/Action: New Water Line Installation. Cauly Washburn sent Brian Betcher an email and Brian replied that he had dropped the ball. Brian thought he was waiting for information from VGDWID. He will get the information to the water company. The water loss for last month was 47859 gallons. Allen Grant reviewed the numbers again but still wonders if there is water theft. Ray Roerdink stated it would have to be between the NWC meter and the valve on the north side of the canal on Shedd Road. Danny Baeza did replace both several months ago and we still had the loss. The new line should be replaced from the NWC meter to the valve Danny replaced on Shedd. Ray Roerdink asked about quotes from contractors. Jack Cook mentioned that he would be able to get some contractors down to give quotes. Terry Eickstaedt mentioned that he might have a contact as well. We will need the information from Brian Betcher before we can determine the distance of line necessary to complete the installation.

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

Adjournment: The Agenda being completed, Bernie Vargas adjourned the meeting at 8:28 pm.

Date _____

Bernie Vargas

Allen Grant

Ray Roerdink

Cauly Washburn

Terry Eickstaedt