

**WYNOLA WATER DISTRICT
BOARD OF DIRECTORS
EMERGENCY MEETING MINUTES
7:00 PM, Friday, September 18, 2015
1707 Springview Road, Santa Ysabel, CA 92070**

President Bernard called the meeting to order at 7:04 PM. Board Members present were: Jo Ann Bernard, President, Ray Mitchell, Water Quality Operations, Tom McDonough, Mike Asmussen, and Jack Bainbridge.

1. Purpose of Emergency Meeting: This emergency meeting was convened to discuss the course of action needed to address the leak discovered in the Pressure Tank and an Email from Matt Tasch from Superior Tank Solutions received on September 18, 2015.

2. History of Issue: The following major items were discussed.

- a. The leak was detected by Mike Asmussen and Albert Simonson on Monday, 9/14/15 and reported in an email to Jack Bainbridge the same day. After consulting with other board members Jack Bainbridge sent an email with pictures of the leak to Matt Tasch from Superior Tank Solutions on Tuesday, 9/15/15. Mr. Tasch responded latter the same day with some preliminary information and some suggestions on ways to proceed.
- b. This information was sent to the 5 Board members via email on Wednesday. After receiving comments and suggestions from the other Board members, Jack Bainbridge formulated some additional questions for Mr. Tasch that were emailed to him on Thursday, 9/17. Ray Mitchell also contacted the San Diego County DEH to discuss required water testing and the potential boil water notice that would have to be sent out after a distribution system shut down.
- c. On Friday, 9/18/15, Mr. Tasch responded to the additional questions and stated the following:
 - a. In his opinion a temporary external weld repair of the tank was too risky considering the age of the tank with uncertain structural integrity. (His e-mail of 9/15 indicated an external welding repair was a potential option.)
 - b. A pressure tank failure could be dangerous.
- d. After getting concurrence of the Board President, an Emergency Board meeting was scheduled and special locks were put on the pump house yard gates to limit access to the pump house yard to Board Members.

3. Meeting Discussion Items:

- a. If the pressure tank is not functioning, it is not possible to run the water distribution system. It was determined that the only two potential courses of action to address the leak in a timely manner are :
 - a. Have a new tank fabricated and replace the existing pressure tank,
 - or

- b. Install a variable frequency drive control system for the transfer pumps and a smaller surge tank(s) to replace the existing pressure tank.
- b. With the temporary external repair no longer being an option and no way of telling how long it would be before the pressure tank was no longer functional, it was agreed that time was of the essence and a resolution of the problem had to proceed with no unavoidable delays.
- c. Superior could perform an external ultrasonic inspection of the tank but, it may not identify all the areas where the structural integrity was compromised.
- d. Since there is a risk of personal injury of anyone near the tank if it were to fail, it was agreed that the water watcher inspections should be suspended until the tank failure risk had been averted. In addition, it was agreed that the special locks that limited access to the pump house yard to Board Members should remain in place.
- e. Superior stated that typical tank replacement costs are in the \$35,000 to \$60,000 range depending on the amount of additional work required.
- f. We had gotten a rough conceptual cost of \$5,000 per pump for a variable frequency speed controller but that didn't include design, surge tank(s), piping changes or removal of the existing tank . It was also noted that the variable frequency control system would be a microprocessor/computer type of a system with electronic frequency conversion which would be a new type of technology for the District. This type of a system would require specialized maintenance support that would probably not be available locally. There were estimates that a variable frequency drive system could reduce energy costs by as much as 30%. This was a generic estimate not based on WWD usage. In a 2013 electricity cost study the average monthly electricity cost for the pump house which includes well #3 was about \$263/month. Even with a 30% reduction this would be a savings of less than \$100/month.
- g. There was a discussion about the potential of a temporary bypass of the existing pressure tank to allow the system to continue to operate during the replacement. The difficulty of connecting to the distribution system piping with the existing pressure tank in place was discussed. No one at the meeting was aware of a temporary way of by-passing the pressure tank.

5. Board Decisions:

- a. The following motion was made by Ray Mitchell, seconded by Mike Asmussen, and unanimously approved.
Motion:
 - Contact Superior Tank Solutions and request that they immediately begin design of a replacement pressure tank and provide a firm quote for the complete replacement project.
 - Due to the emergency basis of this issue, the Board authorizes the expenditure of up to \$60,000 on a sole source contract with Superior Tank Solutions who had handled the storage tank cleaning and retrofitting project in 2014.

- b. Jack Bainbridge will send an e-mail to Mr. Tasch immediately requesting that Superior begin work on the replacement project and provide a firm quote. It should be noted that this work needs to proceed as rapidly as possible. He also will request Mr. Tasch visit the site and perform the external ultrasonic evaluation of the existing tank condition if possible.
- c. The current team of water watchers are Mike Asmussen and Joseph Chou. Mike will notify Joseph that the water watcher schedule is suspended until further notice. The next group of water watchers is Chris Bastian and Debbie Bainbridge. Debbie will notify Chris of the water watcher suspension. Ray Mitchell will notify the rest of the water watchers.
- d. Since the pressure tank could fail at any time resulting in an immediate shut down of the distribution system, it was agreed that a Notice of Potential Unplanned Water Outage should be sent to all customers as soon as possible. The intent is to make the community aware of the potential of a long term outage and remind them to have an emergency water supply that will meet their needs. A draft notice was reviewed at the meeting and Jo Ann agreed to finalize the notice and arrange for it to be sent out over the weekend.
- e. In order to try and quantify any changes in the leak, it was decided to put a bucket under the leak and track the amount of water collected. Jack will put the bucket out on Saturday, 9/19/15.
- f. Mike Asmussen agreed to contact a friend who is in the water tank business to see if there were any practical ways to temporarily feed the system in the event the pressure tank failed before a new tank was available.

7. Adjourn:

The next regular quarterly meeting of the Board is still set for 9:00 AM, Saturday, October 24, 2015. There being no further business to discuss, the meeting adjourned at 8:30 PM.

Respectfully submitted,

Jack Bainbridge

J. R. Bainbridge