

RAPID VALLEY SANITARY DISTRICT
BOARD OF TRUSTEES MEETING
FEBRUARY 14, 2022

Chairman Andy Fitzgerald called the meeting to order at 7:00 p.m. Present at roll call were Jennifer Battles, Shirley Haines, Rick Hensley, Diana Nelson, Connie Olson, Bob Phillips, Carrie Wheeler and Dwight Peterson via phone. Also, in attendance were Manager Rusty Schmidt, Engineer Dustin Dale, and District Clerk Sara Bender.

APPROVAL OF AGENDA: A motion was made by Shirley Haines to amend the agenda to include topic changes to items 1,6,8,9,10 & 11 as the agenda was correct at the public office posting but not on the website. The motion was seconded by Bob Phillips to approve the agenda as amended. Motion carried.

APPROVAL OF MINUTES: A motion was made by Dwight Peterson to approve the minutes from the January meeting. The motion was seconded by Carrie Wheeler. Motion carried.

APPROVAL OF FINANCE REPORT: The financial reports were distributed to the Trustees for their review prior to the meeting. A motion was made by Diana Nelson to approve the Finance Report. Connie Olson seconded the motion. Motion carried.

ITEMS FROM THE PUBLIC: None

PRESIDENT'S REPORT:

1. Regional Discussion of Future Water Supply and Treatment: A meeting was held recently between RVSD, City of Rapid City, City of Box Elder, and Ellsworth Development Authority to discuss regional future water supply and treatment. Rapid City indicated they were planning to move forward with building their planned treatment plant and at this time are not interested in RVSD operating a regional facility with the Districts Nanostone advanced technology and operations. Future meetings to discuss this topic are being planned, but nothing is scheduled at this time.

MANGERS REPORT

2. Monthly Water Loss and Leak Detection: Water loss for January was 18.72% with the majority of the loss occurring in the pressure zone. A major leak was found on Silverton St, a newer area that does not have any homes yet. A curb box had been twisted and pushed underground and was open creating a substantial leak. The usage in that area dropped by 60-70 gallons per day per home once that leak was fixed but usage is still about 60-70 gallons per home per day too high. The service team is leak detecting in this area. There was a main break today on School Dr, the dry ground is shifting and causing issues with breaks.

PROJECTS AND FUTURE DEVELOPMENT

3. Moonlight Apartment Complex: All water and sewer lines are installed with plans to start on the water main still scheduled for March. Connection fees will need to be paid once this portion of the project begins. There are plans in the works for an additional 4 to 6 more buildings North of this project.

4. Creekside Apartment Project: The contractor is about 50% complete but the teams were pulled from this job to work on other construction projects, but the water and sewer portion of the project should be complete by mid to end of March.

5. Murphy Ranch Phase 10 Project: The plans for Murphy Ranch Phase 10 are complete but unsigned and the City is reviewing the connection to their 42" trunk sewer. A road district is to be established before the project can commence. An easement is also still needed for the crossing over the Murphy Ditch.

6. Mothers and Pats Pl Water Main Extension Project: Dan's ditching is planning to start this project sometime in March or April depending on the frost thaw. The cost for the project is \$78,791.30. The construction materials were scheduled to increase on February 7, so the materials were secured before the price increase.

7. Apple Valley Water and Sewer Expansion: The project is scheduled to begin March 1st. The water main installation will be constructed by Iron Horse and the sewer installation by Quinn Construction.

8. Well Site Evaluation Study: LRE has started the evaluation process and will be looking for wells within a 6-mile radius. There is an area they have mapped out, but some final details need to be completed. Hopefully by the next meeting, there will be information to present on potential locations.

9. Future Use Permit for the Missouri River: The future use permit was submitted but needs to be redone to reflect the future volume needed based on the facilities study, otherwise we would only be eligible for double the current usage.

10. Ultrafiltration Module Test Study: We started pilot testing a newly designed ultrafiltration module and are testing it with our current coagulation process and having positive results. The electrical charge of this module is extremely negative compared to our current Nanostone ceramic potable water treatment plant. Testing will continue and results will be shared as they become available. This could be a future potable water treatment option once all certifications are met.

11. Nanostone Module Purchase for Skid X: Nanostone was contacted recently to discuss the purchase of the modules for the Skid X retrofit. The lead time is 60-90 days on the modules. The cost for the 52 needed modules is \$208,000 and Nanostone is offering the same warranty as before to include a 10-year performance warranty and a 20-year total warranty. Once the conversion is complete this will give the plant a gross production of 3358 gpm or 4.8 mgd. The Nanostone ceramic ultrafiltration produces 3.5 to 4 times the water production/ square foot compared to polymeric filtration and 10 times more production/square foot than conventional treatment. A motion was made by Connie Olson to move forward with the purchase of the Nanostone modules at \$208,000. The motion was seconded by Dwight Peterson. Motion carried.

Miscellaneous Information:

- The Crane water main extension is still scheduled to start sometime in March of April once the frost thaws
- Rusty, Dustin, and Dave will be attending the American Water Works Association Membrane Technology Convention in Las Vegas February 21-25. Rusty was asked to participate in a round table discussion at the conference.

Executive Session:

A motion was made by Connie Olson and seconded by Jennifer Battles to enter into executive session at 7:40 pm for contractual discussions. Motion carried. The board came out of executive session at 8:07 pm.

There being no further business, the meeting was adjourned.

Respectfully Submitted,
Sara Bender Office Operations