

MEETING MINUTES

February 28, 2022

LOWER FOUNTAIN WATER QUALITY MANAGEMENT ASSOCIATION (LFWQMA)

Member

Attendees: Jonathan Moore (FSD), Cindy Murray (FSD), Mike Fink (City of Fountain), Roy Heald (SWSD) *via go to Webinar*, Brandon Bernard (SWSD), Kevin Niles (Stratmoor Hills), Joshua Watkins (Cherokee Metropolitan District) *via go to Webinar*, Bruce Zook (CSU), Travis Jones (WWSO) *via go to Webinar*, Wally Eaves (Woodmen Hills) *via go to Webinar*

Non-Attendees: Fort Carson

Guests: Roger Sams (GMS, Inc.) *via Go to Webinar*

Meeting Location: City of Fountain City Council Chambers

**Chairman Moore called the meeting to order at 1:30 p.m. Introductions followed.

1. **Review/Approve Meeting Minutes** - Mr. Moore presented the meeting minutes for January 24, 2022, for approval consideration. Mr. Bernard made a motion to approve the minutes as presented. Second by Mr. Niles. Motion carried.
2. **Review/Approve Finances** - Mr. Moore presented the Treasurer's Report for the month of January 2022 for approval consideration. Mr. Fink made a motion to approve the financial report as presented. Second by Mr. Niles. Motion carried.
3. **Taylor Murphy (City of Fountain)** – Mr. Taylor reported that they are in the design phase of running another 36-inch transmission water main from their Operations building going east under Interstate 25 and tie into the recently installed 36-inch transmission water main by the Fountain Sanitation District treatment facility on Santa Fe Avenue. He reported that they are still progressing with completing the construction of their PFAS Water Treatment Facility. The equipment and building foundation have been installed. A contract to complete the superstructure on the building's foundation has been accepted. The steel for the building was delivered and the superstructure is being erected. Upon completion of the building, they will request the Corps of Engineers return for any final detailed work and start up the facility.
4. **Kevin Niles (Stratmoor Hills)** – Mr. Niles reported they are also in the process of finalizing the construction of their PFAS Treatment Facility. He reported that there have been delays with pipe and building related materials. The contract with Glacier was extended until the end of March in order to comply with the Iron and Steel Act ("American Iron and Steel (AIS)" requirement in section 436 that requires Clean Water State Revolving Loan Fund (CWSRF) and Drinking Water State Revolving Loan Fund (DWSRF) assistance recipients to use iron and steel products that are produced in the United States for projects for the construction, alteration, maintenance, or repair of a public water system or treatment works). He reported the work that RH Borden's rapid assessment on all its sanitary main pipeline system has been completed. The Sewer Line Rapid Assessment Tool or SL-RAT consists of a transmitter placed in one manhole and a receiver in another, it assesses the condition of a line by emitting a sequence of tones. It then provides a condition score based upon the amount of sound allowed to pass through a given pipe diameter. Any scores seen in the field that would indicate a potential problem would be addressed immediately. He stated that they were really impressed with the contractor, and they will be addressing the results in the collection system.

5. **Roy Heald/Brandon Bernard (SWSD)** – Mr. Bernard reported their wastewater treatment facility expansion continues to progress. They are working through some communication issues between the DO probes and blowers. He reported that they have some parts left over from their Trojan UV system if anyone was interested in them. As previously reported, they continue to experience “foaming” issues at their new wastewater treatment facility. They are in the process of designing a sprayer manifold to help minimize that issue. The construction of their biosolids handling facility should be finished by June or July. They are in the process of rerouting their digester pipework and they will be constructing a new supernatant building. They purchased a Bobcat skid steer with a forklift attachment to help with maintaining the property and unloading the polymer totes for the biosolids handling unit. He reported that they have a Collection system operator position open. They went out for bid on the “Grand project” which is replacing 1,100 feet of unlined ductile iron pipe that has some corrosion issues. The District put this out to bid last year and did not receive any bids, so they pre-purchased all the pipe and materials needed for the project. The low bid went to Pate Construction, and they will start this summer. They finally came to an agreement with the Air Force regarding the issue with resin residual released by the contractor into a finished water main by mistake. They will be using “ice pigging” method to remove resin residual, which looks to be very effective. They will coordinate with them to start in May 2022.
6. **Bruce Zook (CSU)** – Mr. Zook reported that the Direct Potable Reuse demonstration project program tour season is over. It has been moved indoors until next May and is undergoing data evaluation and optimization. He reported that they continue with their 5-year Resilience Assessment at the JD Phillips facility. He reported on ongoing projects at the Las Vegas Facility i.e., diffuser changeout, switching to silicone tube diffusers and installing some additional piping for operator control. They are replacing their control system at Clear Springs Ranch from Allen Bradley to a modern distributed control system (DCS) and making some electrical upgrades. They are progressing with the biogas project at the Clear Springs Ranch Facility, which will be completed in-house. He reported that the Northern Monument Interceptor project is still underway, they are in the process of working out agreements with the six northern entities on return flows and water rights. They hope to start construction by the end of 2023 and be finished by the end of 2025. They are finalizing a Risk Model completed by AECOM of their collection system related to the Operations and Maintenance. They will be able to utilize this tool to conduct more efficient maintenance programs using the historical data. He reported that they also have a robust CCTV program and a lateral launcher used in part with a cross bore program. They have found a few cross bores in some service lines in the collection system. They are doing a Power Resiliency Assessment on some of their assets and have found a couple of vulnerable areas they will be addressing. They will be replacing the pumps that send the solids from the Las Vegas facility to the Clear Springs Ranch facility.
7. **Joshua Watkins (Cherokee Metro District)** – Mr. Watkins reported that they are finalizing details on implementing a certified lab to conduct some in-house well testing and optimization. For wastewater he reported that the construction on their 53-acres evaporation ponds for the brine from the RO system is progressing well. The new facility buildings have been erected and dried in however the supply chain issues continue to cause material delays for completion. The IDE Reverse Osmosis skids are onsite and are being installed. They are waiting on the delivery of their new Vac truck which should be in May. He is working with chemical suppliers on having chemicals on site before startup of the TDS system as well as working with companies to remove the grid/screening equipment. He reported that they will be upgrading their process blowers with turbo blowers. They also have positions open.
8. **Jonathan Moore - (FSD/LFMSDD)** –Mr. Moore reported that FSD also hired RH Borden to assess the District’s sanitary system using the SL-RAT. They have completed their assessment of all the District’s pipes. A total of roughly 84-miles will be completed for FSD. They feel that this service was cost effective and time saving. The baseline assessment also helped identify where the District should be concentrating its limited resources in maintaining the overall system. The plan is to use the SL-RAT annually if the budget allows it. Staff does believe this service will save on the wear and tear of the Vaccon units and will defer the

need to replace this type of capital equipment for several years. He reported that he continues to work with the BNSF Railroad on a major sanitary reconstruction and realignment on Illinois Avenue. The railroad company has requested Mr. Moore move the alignment and Mr. Moore let them know why the District cannot move the alignment of the sanitary pipe. He is waiting for a response. They have a project out for bid, it is for replacing 800 feet of clay pipe to 12-inch PVC pipe in Wilson Road. They have procured the pipe already as well. He reported that the BNR Demonstration Project at the HDT facility is almost complete. They are completing the final inspections today.

9. **Wally Eaves – (Woodmen Hills)** – Mr. Eaves reported that in September of 2021, the Board switched from a General Manager operated District to an Enterprise Director operated District. He reported that there is a lot of development planned with high density units that they are trying to prepare for. They are at 80% of their wastewater plant capacity so they are in the design phase with JDS Hydro on a membrane/RO system. They purchased a new Vactor from Faris Machinery. They also have a collection system position open.
10. **Travis Jones (WWD)** – Mr. Jones reported that they are in the process of evaluating options on their southern interceptor main the Jimmy Camp lift station. They are working with Garver Engineering to either upsize and parallel the current interceptor or extend the force main to the wastewater facility. They are addressing some odor issues along Mesa Ridge Parkway. They also purchased a Kubota skid steer to help with maintaining the yard and unloading polymer, etc. They had the Tideflex mixing system installed in their new Rolling Hills water tank, they are waiting on some parts, and it should be up and running in April or May. They had a pre-bid meeting for the Trails at Aspen Ranch booster station. That will be going out for bid. He also reported that they had a screw press auger break, they have welded it back but have one on order for backup.
11. Mr. Fink stated that the WQCC/PPACG/SARC committees need representation/participation. Mr. Heald reported that he has completed his second term on the CWRPDA and the Governor has appointed Lucas Hale from Widefield Water and Sanitation to represent the Arkansas River Basin.

Mr. Moore stated that the water and wastewater facilities are being cyber attacked. He stated that the FSD is focusing on making sure we are well prepared.

*There being no further business to discuss, Mr. Moore adjourned the meeting at 2:13 p.m.

Next LFWQMA Meeting – The next meeting is scheduled for Monday, March 28, 2022, at 1:30 p.m. at Security Water and Wastewater District Offices.