

***CENTRAL WYOMING REGIONAL WATER SYSTEM
JOINT POWERS BOARD***

MEETING PROCEEDINGS

November 17, 2020

A public meeting of the Central Wyoming Regional Water System Joint Powers Board (Board) was held Tuesday, November 17, 2020 at 11:30 a.m., in the Joint Powers Board Conference Room, Regional Water Treatment Plant, 1500 SW Wyoming Boulevard, Casper, WY.

Board Members Present - Chairman King, Vice-Chairman Keffer, Secretary Waters, Treasurer Bertoglio, and Board Members Cathey and Huber. Board Members Freel and Powell were absent.

City of Casper – Cathey, Huber (by phone), Andrew Beamer, Bruce Martin, Brian Schroeder, Janette Brown

Natrona County – Bertoglio

Salt Creek Joint Powers Board – King

Wardwell Water & Sewer District – Keffer

Pioneer Water & Sewer District – Waters (by phone)

Poison Spider Improvement & Service District –

Wyoming Water Development Office -

Sandy Lakes Estates -

Lakeview Improvement & Service District -

33 Mile Road Improvement & Service District –

Mile-Hi Improvement and Service District –

Central Wyoming Groundwater Guardian Team (CWGG) –

Others — Charlie Chapin – Williams, Porter, Day & Neville, P.C.; Steve Quail – HDR Engineering

The Board meeting was called to order at 11:34 a.m.

1. In Announcements., Mr. Martin stated that Secretary Waters and Board Member Huber are participating in the meeting by telephone.
2. Chairman King asked for a motion to approve the minutes from the October 20, 2020 meeting. A motion was made by Board Member Cathey and seconded by Vice-Chairman Keffer to approve the minutes from the October 20, 2020 meeting. Motion put and carried.
3. Mr. Martin informed the Board that four additional vouchers were added to the voucher listing; voucher 8226 for Krohne Inc. in the amount of \$1,459.91 for Parts for GWHS Mag Meter Installation; voucher 8227 for HOA Solutions, Inc. in the amount of \$96,743.61 for SCADA System Upgrade, Project No. 17-038, PP#10; voucher 8228 for West Plains Engineering, Inc. in the amount of \$1,000 for the WTP Raw Water Building MCC Replacement Project No. 18-078, PP#6; voucher 8229 for HOA Solutions, Inc. in the amount of \$71,313.40 for SCADA System Upgrade, Project No. 17-038, Retainage Release. Mr. Martin recommended approval of the vouchers and offered to answer any questions the Board may have on the voucher listing.

Chairman King asked for a motion to approve the November 2020 vouchers. A motion was made by Treasurer Bertoglio and seconded by Vice-Chairman Keffer to approve the October 2020 voucher list to include voucher numbers 8216 through 8229 in the amount of \$1,380,217.21. Motion put and carried.

4. Mr. Martin asked the Board to reference the Gallons Produced table in the agenda packet. Mr. Martin stated that production for October 2020 was 216.3 MG, which is 8.7 MG more than the five-year average of 207.6 MG. Mr. Martin stated that year to date production is 2.05 BG, which is 101 MG more than the five-year average of 1.95 BG.

Mr. Martin asked the Board to reference the Income Statement in the monthly compilation. Mr. Martin stated that Interest Earned in FY2020 was \$40,748, while FY2021 is \$1,384. Mr. Martin stated that October 2019 the interest rate was 1.64%, while October 2020 interest rate was 0.03%. Mr. Martin stated that Mr. Pitlick is looking into WGIF to see if they have better interest rates.

Mr. Martin stated that Water Utility Charges for FY2021 is \$4,179,658 which is approximately \$286,664 more than FY2020 due to the water rate increase and higher than average water sales this year.

Mr. Martin stated the System Development Charges for FY2021 is \$91,212 compared to \$139,442 for FY2020. Mr. Martin stated that there were several large building projects that took place in FY2020 and paid System Development Charges, but FY2021 is on target for what was projected.

Mr. Martin stated that Reimbursable Contract Expense is \$1,423,535 which is approximately \$14,312 more than last year due to the timing of chemical purchases.

Mr. Martin stated that Mr. Pitlick is waiting for the audited figures before submitting the Balance Sheet for the Board's review. Mr. Martin stated that the audited figures will be presented to the Board at the December meeting.

Chairman King asked for a motion to approve the October 2020 Financial Report as presented. A motion was made by Treasurer Bertoglio and seconded by Board Member Cathey to approve the October 2020 Financial Report as presented. Motion put and carried.

5. Chairman King turned the time over to Mr. Schroeder for the Operations Update.

Mr. Schroeder stated that there has been a couple of laboratory confirmed COVID positive cases among the Operators. Mr. Schroeder stated this caused a bit of a pinch as other people have had to fill in for them. Mr. Schroeder stated that they are on the mend and should be back to work next week.

Mr. Schroeder stated that new switchgear and other parts were installed in the Emergency Generator and it had a successful test as it performed how it is supposed to. Mr. Schroeder stated that there was a power outage caused by the wind a few days later and the generator performed beautifully.

Mr. Schroeder stated that now that the surface water plant is off for the season, A&E is on-site tracing wires in Raw Water where the MCCs and VFDs are being replaced. Mr. Schroeder stated that the project will be underway soon, as A&E is waiting on the parts.

Mr. Schroeder stated that he would also be giving the Transmission System Update for Mr. Conner.

Mr. Schroeder stated that the Airport Tank was drained, cleaned, and refilled as a routine sample was positive. Mr. Schroeder stated that he believes the Distribution staff samples the tanks once a month.

Mr. Schroeder stated that Water Distribution crews have been winterizing booster stations and working on fire hydrants.

Mr. Schroeder stated that Water Distribution staff has also finished installing the 36-inch mag meters for groundwater and surface water. Mr. Schroeder stated that the mag meters were over 20 years old and new parts for the controllers were no longer available.

Chairman King stated that Salt Creek has working on PRVs in their system and asked if it interfered with operations here at the WTP. Mr. Schroeder stated that PRVs are very important out there. Chairman King stated that staff hired someone out of Denver to help them. Mr. Schroeder stated that the work did not interfere with WTP operations.

6. There was no Public Comment.

7. In Old Business:

- a. Mr. Martin stated that the LT2 requirement of UV Disinfection was discussed at the last meeting and questions had come up. Mr. Martin stated that the Board was also waiting on information from Treasurer Bertoglio so decided to bring it up again at this meeting. Mr. Martin stated that Mr. Steve Quail with HDR Engineering has worked on this quite a bit and is here to give a quick overview of where we are, what other entities have done, and where we need to go from here.

Mr. Quail gave a quick summary of the Surface Water Treatment Rules from 1989 – 2006. Mr. Quail stated that the RWS wells fall under the Interim Enhanced Surface Water Treatment Rule that requires 2-log (99%) Cryptosporidium removal, and defined Ground Water Under Direct Influence (GWUDI) of Surface Water.

Mr. Quail stated that the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) requires source water monitoring for Cryptosporidium and established Bin classification of source waters. Mr. Quail stated that the RWS has gone through two rounds of source water monitoring. Mr. Quail stated that the more you are at risk for source water Cryptosporidium, based on the sampling, the higher the Bin classification, which means more treatment is required.

Treasurer Bertoglio asked if the both the RWS groundwater and surface water treatments have 3-log Giardia removal. Mr. Quail stated the surface water system has removal by the filters, but the groundwater system does not have removal, per se. Treasurer Bertoglio stated that EPA threw out Giardia again during discussions, and he wanted to make sure all EPA requirements for Giardia are currently being met. Mr. Quail stated that all EPA requirements are currently being met.

Mr. Quail reviewed the treatment techniques for both the groundwater and the surface water. Mr. Quail stated that the WTP has a very high Ozone dose that is 2-log x 4 for Giardia inactivation, which translates to 0.5-log for Cryptosporidium, which is more resilient. Mr. Quail stated that there is physical removal through the filters.

Mr. Quail stated that back in 2001, EPA gave conditional approval for alternative filtration technology of the groundwater. Mr. Quail stated that this means that EPA said the GWUDI is doing 2-log, or 99% Cryptosporidium removal.

Mr. Quail stated that in 2005, EPA reviewed data and approved continued alternative filtration technology with the conditions that the RWS monitor turbidity and aerobic spores as Cryptosporidium surrogates. Mr. Quail stated that at this same time, EPA required the Infiltration Gallery not be used.

Mr. Quail stated that in 2010 the first round of Cryptosporidium sampling was done and the North Platte River was classified as Bin 1, requiring 2-log (99%)

Cryptosporidium removal and continued approval of alternative filtration technology was given.

Mr. Quail stated that in 2017 the second round of Cryptosporidium sampling was completed, and there were a couple of tests that came back high. Mr. Quail stated that this put the North Platte River in a Bin 2 classification which requires total 3-log (99.9%) removal and/or inactivation. Mr. Quail stated that the IESWTR requires 2-log removal. Mr. Quail stated that another log of removal/inactivation is required for groundwater.

Mr. Quail stated that the RWS responses to Bin 2 classification were as follows: 1) Operational changes in the surface water treatment; 2) additional treatment with UV for groundwater treatment and requested seven years to comply; 3) EPA replied with requirement to provide detailed schedule.

Chairman King asked how much Cryptosporidium has been found in the testing history. Treasurer Bertoglio stated that there was none. Chairman King asked why EPA wanted the changes if none has been found historically. Mr. Quail stated that because there is a risk that it could be found, EPA wants additional treatment on the groundwater.

Treasurer Bertoglio asked if 3-log removal is now required since we are now in Bin 2. Mr. Quail stated that was correct. Treasurer Bertoglio asked if it is removal, or if it is 2-log removal and 1-log inactivation. Mr. Quail stated that the extra one could be removal and/or inactivation. Treasurer Bertoglio asked what ozone is getting. Mr. Quail stated that 0.5-log removal is being achieved with the current dosage of ozone. Treasurer Bertoglio asked if UV will get a full log removal. Mr. Quail stated that UV by itself can get up to 4-log inactivation. Treasurer Bertoglio asked if ozone could be taken out of the treatment then. Mr. Quail stated that was a possibility, but it would have to be negotiated with EPA. Mr. Quail stated that EPA wants multiple barriers in the treatment of the groundwater, and currently there is only one. Mr. Quail stated that an advantage to ozone is that it improves water quality so that the UV light transmits better through the water.

Mr. Martin stated that ozone would still be needed for the surface water. Mr. Schroeder stated that Actiflo used polymer, and the ozone breaks the excess polymer into particles that lay on top of the filters and are filtered out of the water. Mr. Schroeder stated that ozone is a treatment process.

Mr. Quail stated that the detailed schedule given to EPA is as follows: Nov. 17, 2020 – Board approval of Preliminary Design Report; July 2022 – Financing complete and begin design; Sept. 2024 – Begin construction; Sept. 2026 Construction completed and begin plant startup.

Mr. Quail stated that the schedule was based on WWDC funding, but that fell

through. Mr. Quail stated that the next funding source to consider is a SLIB loan.

Mr. Quail stated that if the Board wants to challenge EPA, a column test would need to be conducted. Mr. Quail stated that this would be like a doctorate study and would cost approximately \$250,000 to \$500,000. Mr. Quail stated that EPA stated that this could be done, but a column test would not be accepted, the test would have to be from the river into the wells. Mr. Quail stated that there is almost no Cryptosporidium in the river to test. Mr. Quail stated that EPA does not recommend doing the test.

Mr. Quail stated that in 2007 Portland, Oregon sued EPA in DC Court of Appeals, but the US Court of Appeals rejected the challenge. Mr. Quail stated that in 2010 Portland increased Cryptosporidium monitoring and improved watershed controls. Mr. Quail stated that in 2014 Portland received a 10-year variance from Oregon Health Authority (OHA). Mr. Quail stated that in 2017 Portland detected Cryptosporidium in samples, OHA rescinds variance. Mr. Quail stated that Portland ended up awarding a final engineering contract for 200 MGD Bull Run UV Facility, and they were not eligible for funding for the project.

Mr. Quail stated that the steps that are needed if the Board proceeds with the UV facility are to complete/update the Facility Plan; Apply for SRF loans and grants; Work with Congressional Delegation for potential Federal Earmark Funding; Begin design and construction.

Treasurer Bertoglio asked if anyone has ever challenged in court the requirements on the basis that they don't meet the Safe Drinking Water Act. Mr. Quail stated that a cost benefit analysis is completed when the rule was put in place. Mr. Quail stated that was what Portland was challenging with their issue.

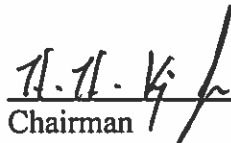
Treasurer Bertoglio stated that he has a question on the Board debt and asked how much the Board still owes the City of Casper. Mr. Martin stated that the City loan will be paid off in 2023 or 2024. Treasurer Bertoglio stated that he wondered if the Board could go to the City and request Perpetual Care Funds. Treasurer Bertoglio stated that it may be possible to get the project bonded. Treasurer Bertoglio stated that the State doesn't have any money and funding from the Feds may not go through.

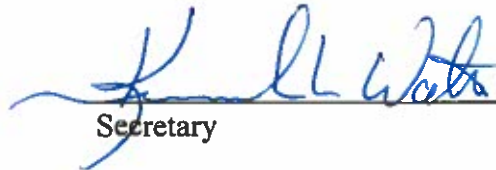
Board Member Cathey asked what needs to be done now as it looks like the Board needs to approve the Preliminary Design Report today based on the schedule. Mr. Martin stated that EPA asked for an update on the schedule to let them know what is going on with the project. Mr. Martin stated that EPA was open to renegotiating the schedule and has requested a letter from the Board.

A motion was made by Board Member Cathey and seconded by Treasurer Bertoglio to have Mr. Martin compose the letter to EPA with a revised schedule and bring it to the December meeting for consideration. Motion put and carried.

- b. In Other Old Business, Treasurer Bertoglio asked if the Board has an agreement with HDR for a Cyber Security review. Mr. Martin stated that HDR was under contract to update the Emergency Response Plan, which included a review of the Cyber Security.
- 8. There was no New Business.
 - a. There was no Other New Business.
- 9. In the Chairman's Report, Chairman King stated that the next regular meeting would be held on December 15, 2020.

A motion was made by Board Member Cathey and seconded by Treasurer Bertoglio to adjourn the meeting at 1:03 p.m. Motion put and carried.


Chairman


Secretary