

**PLUM CREEK WATER RECLAMATION AUTHORITY**  
4255 N. US Hwy 85, Castle Rock, CO 80108  
**REGULAR MEETING MINUTES**  
\*Held Via GoToMeeting\*  
October 26, 2021

**CALL TO ORDER:**

7:32 a.m.

**ATTENDEES:**

Mark Marlowe, Jim Worley and Dick Munday, Board Members; Tim Friday, Alternate Board Member; Wes Martin, Authority Manager; Kirby Clark, Assistant Authority Manager; Lissa Oelkers, Director of Administrative Services; Lucinda Young, Administrative Assistant; Patou Griggs, Industrial Pretreatment Coordinator; Darryl Farrington, Semple, Farrington, Everall & Case, PC., Rick Huser, Castle Pines Metropolitan District Board; David McEntire, Castle Pines North Metropolitan District Board; Chuck Lowen, Castle Pines North Metropolitan District Board; Andrea Cole, Dominion Water and Sanitation District; Bob Neal, Dominion Water and Sanitation District; Kim Seter, Castle Pines Metropolitan District Attorney; and Ron Redd, Park Water and Sanitation District

**ANNOUNCEMENT OF QUORUM:**

Quorum present.

**PUBLIC COMMENT:**

None.

**APPROVAL OF AGENDA:**

Dir. Marlowe moved to approve the agenda. Dir. Munday seconded the motion. The motion was unanimously approved.

**ACTION ITEMS:**

**MINUTES OF SEPTEMBER 28, 2021, REGULAR BOARD MEETING:**

Dir. Marlowe moved to approve the minutes of the September 28, 2021, regular board meeting. Dir. Worley seconded the motion. The motion was unanimously approved.

**PAYABLES FOR THE PERIOD ENDING SEPTEMBER 30, 2021:**

While the payables for September were typical, Mr. Martin mentioned that the current USGS wildlife mitigation cost would be shared with the neighbor, since it affects both properties. Dir. Marlowe moved to approve the September 30, 2021, payables for PCWRA in the amount of \$361,523.80 and the 3.0 Capacity Expansion expenditures in the amount of \$6,003.89. Dir. Munday seconded the motion. The motion was unanimously approved.

**NOVEMBER AND DECEMBER BOARD MEETING DATE CHANGES:**

With the November and December board meetings so close to the holidays, a Doodle poll was sent out to the members of the board to see if they wanted to move the regular date of the PCWRA regular board meeting and what dates they would be available. The consensus was to move the November meeting from the 23<sup>rd</sup> to the 18<sup>th</sup> and the December meeting from the 28<sup>th</sup> to the 16<sup>th</sup>. Mr. Martin requested ratification of the board consensus. Dir. Marlowe moved to reschedule the November and December meetings to the dates listed. Dir. Munday seconded the motion. The motion was unanimously approved.

**CPNMD AND PARKER RESOLUTION SUBSTITUTING MEMBERSHIP IN PLUM CREEK WATER RECLAMATION AUTHORITY:**

Mr. Farrington provided a summary for the purpose of Resolution 2021-2 stating that due to the inclusion of Castle Pines North Metro District (CPN) into Parker Water and Sanitation (PWS), CPN is requesting a substitution membership on the PCWRA Board for PWS which requires consensus action from the PCWRA Board. The Establishing Agreement has no mechanics for substitution, so the Resolution is essentially a way to bring a new member onto the Board.

Dir. Worley introduced the CPN Board of Directors as well as Mr. Kim Seter, CPN Attorney who were in attendance and available to address any questions. Questions such as the rights and obligations being the same for a new member as they were for the past member, and whether the Establishing Agreement would need to be amended were discussed and addressed with affirmations.

Dir. Marlowe moved to approve the substitution of PWS for CPN conditional upon the Town of Castle Rock Council approval at their meeting November 2, 2021. Dir. Munday seconded the motion. The motion was unanimously approved.

**OTHER ACTION ITEMS:**

None.

**DISCUSSION ITEMS:**

**REGIONAL WASTEWATER UPDATE:**

A map of the Regional Water/Wastewater Planning was projected onto the white board and Dir. Marlowe provided an in-depth presentation on the service areas with the mapping of sewer lines, lift stations, and treatment facilities. He stated that Douglas County has funds of approximately \$58M from the American Recovery Plan Act (ARPA) for which they are accepting proposals for a regional wastewater/reuse water system along the highway 85 corridor and other potential water/wastewater projects. Dir. Marlowe suggested PCWRA partner with Douglas County, the Town of Castle Rock, and Dominion Water and Sanitation on a regional facility that PCWRA would own and operate. There would be no upfront capital costs as the ARPA funds from Douglas County would pay for the sewer lines and lift stations. Dominion owns a phosphorus allocation into the South Platte, their facility would be scrapped and a new one built as the Chatfield Basin Water Reclamation Facility. If the project moves forward, Dominion would be invited to become a member of the PCWRA board. Dominion and the Town of Castle Rock would manage the project for Douglas County for a 1% fee. Eventually Louviers could be connected to renewable water as they are seeking assistance with water issues. Douglas County would turn the sewer lines over to the Town of Castle Rock for them to own and maintain and the Town of Castle Rock would purchase reusable effluent. When asked about the timing of the project, Dir. Marlowe stated that Douglas County probably wouldn't select a proposal until the end of 2021 and Intergovernmental Agreements (IGAs) will have to be drawn up thereafter. So, realistically construction would begin mid-2023. Mr. Huser requested a copy of the Diamond Back Study from 2014. Discussion ensued and Dir. Marlowe stated he would try to get that study to Mr. Huser. Upon further discussion, consensus among the board was to support the proposal.

**DRAFT INDUSTRIAL PRETREATMENT RULES AND REGULATIONS:**

Mr. Martin opened discussion by mentioning that the board had received the draft rules and regulations document at the last board meeting and discussed the importance of robust IGAs. He suggested a new Establishing Agreement be created rather than updating the existing one. Additionally, PCWRA is not required to implement the new rules and regulations right now but stated the urgency of the IGAs being drafted. Dir. Marlowe suggested that the IGA's be created first in order to support the enforcement of the Rules and Regulations. Mr. Martin agreed, adding that the IGAs need to include Direct Potable Reuse (DPR), so the members understand and agree to play a role in the new regulations due to DPR. Mr. Griggs fielded some questions regarding pollutants of concern, what those may be, and how to identify the sources. Mr. Clark interjected that there are certain metals that may be regulated that the facility can not treat so pretreatment is the only way to meet the regulations by preventing them from making it to the facility. This led to a discussion regarding manganese and how the water plants will need to reduce the quantity sent to PCWRA.

**DRAFT 2022 BUDGET:**

The board packet contained the same draft budget which was preliminarily approved at the last board meeting with the direction to review the reuse rates. Mr. Martin stated that a meeting was held with Carol Malesky regarding ideas of how to build some capital reserves strictly for reuse customers. She is working on those ideas and will provide an updated model. Mr. Martin and Mr. Clark explained how the rates would work and discussion ensued with ideas of potentially ramping up the rates to account for capital reserves and when or how to meet with golf course personnel to involve them in the conversation. Staff will provide updated information to the board once Ms. Malesky has completed the model and the rates are formed. The new budget will be given to the board prior to the next meeting in hopes of approving a final budget.

**MANAGEMENT REPORT:**

3.0 Expansion Update

Mr. Martin informed the board that the vendor for the TWAS pump has quoted a larger motor size of 30hp at approximately \$200,000. After discussing with the engineers, he stated he is not comfortable with this solution and directed the engineers to look for another solution.

Parkson is on site and is collecting samples to determine if there is an issue with soluble nonreactive phosphorus.

The Fire Department approved the radio amplifier but while they were inspecting, they discovered some of the heat sensors were programmed wrong. They are currently working to correct the issue.

Square D and Browns Hill are working on the generator reprogramming. During a power surge condition the generator does not switch over correctly.

Plant Update

Mr. Clark, Mr. Griggs, and Mr. Martin will meet with Jenna Barker and Alex Gerling on Thursday regarding the inclusion project to answer some questions about pretreatment and the collections systems.

The Castle Rock Water apprenticeship program is working very well. Matt Spooner is doing a great job for PCWRA.

CDPHE Update

The Division is striving to fill the Director position by the end of the year.

Mr. Martin will be attending a Regulation 100 meeting all day today. The regulations for water and wastewater operators are becoming very strict regarding certifications, training, and delegation requirements.

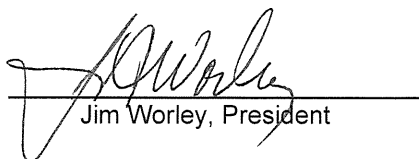
A presentation given to the Division shows that, through wastewater treatment, PFAS ends up having a higher concentration as it leaves the facility. Research is ongoing to find different methods to accurately analyze for it and remove it.

**OTHER DISCUSSION ITEMS:**

None.

**ADJOURNMENT**

There being no further business to come before the board, Dir. Worley declared the regular meeting adjourned at 8:44 a.m.

  
Jim Worley, President