

**PLUM CREEK WATER RECLAMATION AUTHORITY**  
**4255 N. US Hwy 85, Castle Rock, CO 80108**  
**REGULAR MEETING MINUTES**  
**\*Held in person and GoToMeeting\***  
**August 23, 2023**

**CALL TO ORDER:**

7:31 a.m.

**ATTENDEES:**

Mark Marlowe, Joshua Shackelford and Nathan Travis, Board Members; David Van Dellen, Alternate Board Member; Wes Martin, Authority Manager; Kirby Clark, Assistant Authority Manager; Lissa Oelkers, Director of Administrative Services; Patou Griggs, Industrial Pretreatment Manager; Alyse Billick, Administrative Assistant; Darryl Farrington, Semple, Farrington, Everall & Case, PC; Evan Person, Capital Program Manager, Castle Pines Metropolitan District

**ANNOUNCEMENT OF QUORUM:**

Quorum present.

**APPROVAL OF AGENDA:**

Dir. Travis moved to approve the agenda as amended. Dir. Marlowe seconded the motion. The motion was unanimously approved.

**PUBLIC COMMENT ON PCWRA REGULAR BOARD MEETING:**

**Attendees:** None

**ACTION ITEMS:**

**MINUTES OF JULY 26, 2023 REGULAR BOARD MEETING:**

Dir. Marlowe moved to approve the minutes of July 26, 2023 regular board meeting. Dir. Travis seconded the motion. The motion was unanimously approved.

**PAYABLES FOR THE PERIOD ENDING JULY 31, 2023:**

Mr. Martin highlighted payment to Carollo of \$46,940.46 for the wastewater utility plan update and \$10,768.00 to GEI for the assistance with the State Revolving Fund (SRF) loan. Mr. Martin requested approval for payment of \$616,195.91 for the PCWRA July 2023 payables. Dir. Marlowe moved to approve the July 2023 payables as described by Mr. Martin. Dir. Travis seconded the motion. The motion was unanimously approved.

**OTHER ACTION ITEMS:**

None.

**DISCUSSION ITEMS:**

**REGIONAL WASTEWATER/WATER PLAN UPDATE:**

Castle Rock's Town Council approved the three-party agreement with Dominion and Carollo for the preliminary engineering design of the Chatfield Basin Water Reclamation Facility located on the South Platte River at the old Roxborough site. Castle Rock Water has also sent out a request for proposals for contracts and engineering designs for the Louviers lift station and force main. These requests are due soon and are expected to go to Castle Rock's Town Council in late September for approval. Castle Rock Water has also received one request for a Will-Serve Letter for The Range, the proposed development along Highway 85. Although Castle Rock Water still intends on requesting input from Mr. Martin on the design of the wastewater treatment facility, no contract has been created as they are still trying to determine the direction of the project. Dir. Marlowe

then informed the board that the cost for many of the components has increased significantly in the past few years, therefore building the reuse pump station will now be part of phase two of the project. They are hopeful that the 400,000 gallons capacity wastewater plant, the lift station, and force main can be paid for with the American Rescue Plan Act (ARPA) funding.

#### **DIRECT POTABLE REUSE:**

Castle Rock Water submitted a revised plan for wastewater analytical testing to the State. Comments from the State should be returned sometime next month. It was expected that testing would cost \$500 thousand, but the cost has decreased substantially to \$220 thousand. They are hoping that the yearlong testing will start at the beginning of 2024. Mr. Martin informed the board that Walt and Hach Analytical will be on site in two weeks to walk through the location for online monitoring.

#### **REUSE RESERVOIR REHAB PROJECT UPDATE:**

Paul Eggers, the lead engineer working on the reservoir project, is leaving GEI Consultants Inc, therefore work will continue with a different engineer who is familiar with the project. Staff is still waiting to hear back regarding the State Revolving Fund (SRF) loan and has reached out several times.

#### **INDUSTRIAL PRETREATMENT RULES AND REGULATIONS UPDATE:**

Mr. Martin opened the discussion by stating he will keep the Industrial Pretreatment Rules and Regulations update on the agenda until the end of the year for continual discussion with the intent of final approval at the January 2024 regular meeting. When Dir. Marlowe inquired about what major changes were made, the response included waste haulers, local limits and more robust requirements for drainage fixture units (DFUs) that must be tied to the interceptor. Mr. Griggs then informed the board that there are two sections that would require the members to incorporate PCWRA rules and regulations into their Municipal Code within nine months of acceptance. Dir. Marlowe expressed concern regarding the local limits and how it could potentially affect the discharging of water plant residual solids from the water facilities. This could increase the cost for members and would require involvement from their operation teams. He then questioned if there were any changes to the grease interceptors and the impacts to grandfathered restaurants. Staff informed him there have been no changes made to the permitting process that was implemented years ago. There was then discussion regarding the waste hauler modification and Dir. Marlowe asked if the Utility Plan Update would include ways to create heat or power using grease. Mr. Martin informed him that the autothermal thermophilic aerobic digestion (ATAD) system was not built to convert grease into energy. To clarify the previous discussion, Mr. Clark stated that the local limits would not go into effect until PCWRA receives its new permit from the Division. The Rules and Regulations provide PCWRA the authority to regulate dischargers if there is the potential to violate, particularly with manganese. Mr. Martin stated PCWRA will not meet the manganese limits in accordance with the new permit and may have to regulate water plants regardless of the Industrial Pretreatment Program. He may hire an engineering firm to reevaluate PCWRA's preliminary effluent limits (PELs). Further discussion ensued regarding the CDPHE permitting issues.

#### **PLANT GREASE EVENT:**

Mr. Martin provided a PowerPoint presentation about the excessive grease event impacting the plant, in conjunction with a significant rain event that occurred on July 31, 2023, stating it is the worst he has seen in his time at PCWRA. The grease made its way throughout the entire facility and all the way to the clarifiers. Fortunately, it did not make it to the filters or UV system, but took several days to return to normal. Discussion ensued regarding the source and how to deal with this type of situation going forward. The board members requested the presentation be sent to them.

#### **PARKSON FILTERS:**

The settlement agreement was received and signed by both Parkson and Moltz. Mr. Farrington did notice that the strikeout did not have a signature line, but he did not think it was a cause for concern. He did, however, want Mr. Martin to reference the sub section on the second page, third sentence from the top that it should have stated sub section A. Mr. Martin informed the board that the final change order and pay application was received from Parkson and Moltz. A check was written for \$94,944.09 to Moltz for the final retainage. Dir. Shackelford suggested entering into an executive session at the end of the meeting to have some questions answered.

## MANAGEMENT REPORT:

### Plant Updates

Tanja Rauch-Williams is leaving Carollo to work for Metro Water Recovery. Mr. Martin stated Brian Coday and John Rearing will be able to successfully work on the Utility Plan Update and Ms. Williams will still be available for any questions.

There have been issues with high H2S alarms in the headworks between the hours of 2:00 am and 4:00 am and a complaint by neighbors when an alarm was triggered at 9:00 pm. Mr. Martin informed the board that there has been more H2S entering the facility and that he has been made aware that there have been issues with high H2S at two of the Town of Castle Rock's lift stations. Staff is making sure that the instrumentation is set to Occupational Safety and Health Administration (OSHA) standards, but further investigation may be necessary. Mr. Martin mentioned that this was brought to the board's attention in case any additional complaints are received at Castle Pines Metro District from their residents so they can be informed the alarm is a requirement for staff safety.

Staff is beginning to see issues with chemical deliveries again due to severe driver shortages. Staff is trying to stay on top of these deliveries, but has seen issues with polymer and alum deliveries in the past.

Operations is currently at full staff however Devin Harrity, PCWRA's Maintenance Lead, is leaving for another facility. With Mr. Harrity leaving, PCWRA will have only one maintenance worker due to a current employee being out on short-term disability. The Maintenance Lead position will be filled shortly as well as one additional maintenance position. Mr. Martin also informed the board that he will be adding an additional lab technician, as well as an administrative assistant next year. Although some additional workstations have been added already, more will be needed in the future. A new lab and admin building will need to be considered soon, although the old one would still be utilized.

## OTHER DISCUSSION ITEMS:

None.

## EXECUTIVE SESSION

Dir. Marlowe moved to enter into Executive Session to discuss legal issues pertaining to the Parkson filters with PCWRA attorney as authorized by CRS 24-6-402(4)(b), conference with attorney regarding the Parkson Settlement Agreement. Dir. Travis seconded the motion. The motion was unanimously carried. The Executive Session began at 8:11 a.m. Attendees included Dir. Marlowe, Dir. Shackelford, Dir. Travis, Alt. VanDellen, Mr. Person, Mr. Martin, Mr. Clark, Mr. Farrington, Ms. Oelkers, and Ms. Billick.

Executive Session CRS 24-6-402(4)(b) concluded at 8:19 a.m.

Dir. Marlowe moved to approve the Settlement Agreement between Parkson, Moltz and PCWRA. Dir. Travis seconded approval of the agreement. The agreement was unanimously approved.

## ADJOURNMENT

There being no further business to come before the board, Dir. Shackelford declared the meeting adjourned at 8:22 a.m.

  
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Joshua Shackelford, President