

**PLUM CREEK WATER RECLAMATION AUTHORITY**  
**4255 N. US Hwy 85, Castle Rock, CO 80108**  
**REGULAR MEETING MINUTES**  
**\*Held Via Go To Meeting**  
**January 25, 2022**

**CALL TO ORDER:**

7:30 a.m.

**ATTENDEES:**

Jim Worley, Mark Marlowe, and Dick Munday, Board Members; Wes Martin, Authority Manager; Kirby Clark, Assistant Authority Manager, Lissa Oelkers, Director of Administrative Services; Patou Griggs, Industrial Pretreatment Coordinator, Lucinda Young, Administrative Assistant; Darryl Farrington, Semple, Farrington, Everall & Case, PC.

**ANNOUNCEMENT OF QUORUM:**

Quorum present.

**PUBLIC COMMENT:**

None.

**APPROVAL OF AGENDA:**

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

**ACTION ITEMS:**

**RESOLUTION 2022-1 BOARD MEETING TIMES & PLACES:**

Dir. Munday moved to approve Resolution 2022-1 Board Meeting Times and Places. Dir. Worley seconded the motion. The motion was unanimously approved.

**MINUTES OF DECEMBER 16, 2021 REGULAR BOARD MEETING:**

Dir. Worley moved to approve the minutes of the December 16, 2021, regular board meeting. Dir. Munday seconded the motion. The motion was unanimously approved.

**MINUTES OF DECEMBER 28, 2021 SPECIAL BOARD MEETING:**

Dir. Worley moved to approve the minutes of the December 28, 2021, special board meeting. Dir. Munday seconded the motion. The motion was unanimously approved.

**PAYABLES FOR THE PERIOD ENDING DECEMBER 31, 2021 & JANUARY 31, 2022:**

Mr. Martin reported the capital replacement expenditures of \$21,380 to Browns Hill Engineering for the VFD's (variable frequency drives), and \$11,468.44 to Johnson Controls Fire Protection for the fire control panel. Mr. Martin also pointed out the renewal fee for the Indigo Water Group training access for \$3,000 which allows all licensed operators to access the website for training units they need for their certification.

Dir. Munday moved to approve the December 31, 2021 and January 31, 2022 payables in the amount of \$453,425.82. Dir. Worley seconded the motion. The motion was unanimously approved.

## **APPROVAL OF 2022 REUSE RATES:**

Mr. Martin stated he is seeking approval for the 2022 reuse rates as published in the final 2022 PCWRA Budget document. Upon research after the last meeting, Mr. Farrington advised that reuse water does not fall into the same category as domestic water, therefore, any changes to reuse rates are not required to be posted. Mr. Marlowe confirmed this is a 6% increase as discussed previously.

Dir. Munday moved to approve the 2022 reuse rates. Dir Worley seconded the motion. The motion was unanimously approved.

## **OTHER ACTION ITEMS:**

None.

## **DISCUSSION ITEMS:**

### **PCWRA 2021 PLANT PERFORMANCE PRESENTATION:**

Mr. Martin praised Mr. Clark's work to create plant data in the WIMS database which is now readily available. Mr. Martin explained he would like to expand the data next year by adding information collected in the Antero database, which is tracking performance of equipment, chemical cost, staff hours, etc.

Mr. Martin stated the facility treated an average of 5.22 million gallons of water per day, with an average loading of 16,428 lbs. of BOD per day, which is a 4.6% increase in flow and daily loading of 5.9% from 2020.

Mr. Martin asked the board if there were any specific performance slides they would like to discuss. Dir. Marlowe noted it appeared the facility has been in full permit compliance to which Mr. Martin confirmed. Mr. Martin referenced the Lagae Flume Phosphorus, Total Suspended Solids (TSS), and Chemical Oxygen Demand (COD) slides, noting the increase in November, and December. Staff will investigate these increases. Further discussion ensued among the board and staff.

Mr. Martin pointed out potential new limits for chloride, zinc, manganese, and temperature. Most of these will be a challenge to meet with temperature being more of a challenge in the shoulder seasons.

Mr. Martin pointed out the reduction in Biosolids generated, noting a 50 percent reduction with the new ATAD process.

### **INDUSTRIAL PRETREATMENT PRESENTATION:**

Mr. Griggs utilized a PowerPoint presentation to explain issues staff has encountered with permitting and variances. Discussion ensued among the board and Mr. Farrington on how to address these issues in the future. Ultimately, the board consensus was that it would be appropriate to send a letter to all out-of-compliance businesses, as well as the property owners, notifying them they are not in compliance and any changes in business practice or ownership will trigger a review of their permit. Mr. Martin requested Mr. Farrington draft a letter template for each scenario.

### **REGIONAL WASTEWATER/WATER PLAN UPDATE:**

Dir. Marlowe reported to the board that the wastewater proposal is still under review with the County who is holding meetings to discuss all proposals. Issues with participating parties have arisen. PCWRA staff has been directed by the board to halt all participation in the development of a regional wastewater facility until the issues have been resolved.

### **DOMINION PILOT OPERATION:**

Mr. Martin explained Dominion has requested PCWRA operate the proposed wastewater pilot plant on time and materials. The board directed he hold off on any agreements with Dominion until the issues with participating members have been resolved. Once resolved, consideration would be given to a contract for operating the pilot plant on time and materials, an additional administrative fee, and service charges for Mr. Farrington's cost to draft said contract.

### **MANAGEMENT REPORT:**

### 3.0 Expansion Update

Mr. Martin reported another VFD from the expansion arc flashed. Square D is unable to explain why they are failing. Moltz is also pushing for answers. Discussion ensued regarding the possibility of an electrical problem with Mr. Martin explaining there is monitoring in place where staff should be able to see electrical surges, and none have been recorded.

### Plant Update

Parkson was on site last week. More updates will be provided once the data is back.

Staff visited Parker Water and Sanitation to investigate the differences in process and odor control for the ATAD system. Parker has almost the same system, but no odors were emanating. However, upon some process changes by the operations staff, there is a significant decrease in the pungent odor from the ATAD process. PCWRA will continue to monitor the situation.

### CDPHE Update

Mr. Martin explained PCWRA is still waiting on the final reuse report from CDPHE. The lab inspection went very well with some small corrections. The division will be onsite on February 25, 2022, to complete a full inspection of the facility which will be very in-depth and include a re-evaluation of the reuse process.

Mr. Martin explained CDPHE is offering a PFAS grant with a deadline of April 1, 2022. PCWRA will apply for the grant, however priority will be given to drinking water facilities making it unlikely that PCWRA will receive a grant.

CDPHE is hosting the final Direct Potable Reuse (DPR) stakeholder meeting on February 23, 2022, with the rulemaking hearing planned for October 2022. PCWRA plans to make comments after the February 23, 2022 stakeholder meeting.

PCWRA will be partnering with CDPHE and Colorado University on viral testing of its influent. There are currently over 21 facilities conducting viral testing.

### **OTHER DISCUSSION ITEMS:**

None.

### **ADJOURNMENT**

There being no further business to come before the board, Dir. Marlowe declared the meeting adjourned at 8:50 a.m.



Mark Marlowe, President