

**PLUM CREEK WATER RECLAMATION AUTHORITY**  
**4255 N. US Hwy 85, Castle Rock, CO 80108**  
**REGULAR MEETING MINUTES**  
**\*Held Via GoToMeeting\***  
**August 25, 2020**

**CALL TO ORDER:**

7:30 a.m.

**ATTENDEES:**

Jim Worley, Mark Marlowe and Burt Knight, Board Members; Tim Friday, Alternate Board Member; Wes Martin, Authority Manager; Kirby Clark, Assistant Authority Manager; Lissa Oelkers, Director of Administrative Services; Kim Mathews, Administrative Assistant; Darryl Farrington, Semple, Farrington, Everall & Case, PC.

**ANNOUNCEMENT OF QUORUM:**

Quorum present.

Mr. Martin requested permission to record the meeting. Permission granted.

**PUBLIC COMMENT:**

None.

**APPROVAL OF AGENDA:**

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

**ACTION ITEMS:**

**MINUTES OF JULY 28, 2020 REGULAR BOARD MEETING:**

Dir. Marlowe moved to approve the minutes of the July 28, 2020 regular board meeting. Dir. Knight seconded the motion. Dir. Worley abstained. The motion was approved.

**PAYABLES FOR THE PERIOD ENDING JULY 31, 2020:**

Mr. Martin mentioned a payment to GEI in the amount of \$55,436.50 for the reuse reservoir project. The project is at 30% design and is projecting to be under budget. All other payables were standard. Dir. Marlowe moved to approve the July 31, 2020 payables for PCWRA in the amount of \$1,422,139.00 and the 3.0 Capacity Expansion expenditures in the amount of \$1,368,934.57. Dir. Knight seconded the motion. The motion was unanimously approved.

**2020 CAPITAL OUTLAY CHANGE REQUEST:**

Staff requested approval to substitute the capital purchase of a mini track loader previously proposed in the 2020 budget for \$30,000 with a Muffin Monster grinder in the amount of \$24,338.00. The loader would have been used for removing residuals from the oxidation ditches. If needed it can be rented, however with the new regulations, this work may need to be contracted out. An additional Muffin Monster would protect the centrifuge process. Dir. Marlowe moved to approve the change in capital purchases. Dir. Knight seconded the motion. The motion was unanimously approved.

**OTHER ACTION ITEMS:**

None.

## **DISCUSSION ITEMS:**

### **DRAFT 2021 BUDGET:**

The Ditch 3 Project self-loan will be paid off by the members with the December 2020 invoices therefore it will not be included in the revenues for 2021. Mr. Martin reviewed specific line items such as chemicals and electricity which are directly related to the expected costs of running the new processes from the expansion. Additionally, he commented on budget line items which are not expected to be fully expended in 2020 due to the pandemic but are planned to be utilized again in 2021 such as training. Discussion ensued regarding the costs of the new processes and understanding the efficiencies of the plant. Mr. Clark interjected information about how the digestion is working; the uncertainties of exactly how much reduction in solids hauling there will be; and that the new influent pumping process will be less efficient from an electrical standpoint than the old screw pumps. One final discussion was regarding the planned increase budget to budget in the capital replacement cost of \$350,000 to \$500,000. Mr. Martin reminded the board that during the planning of the 2020 budget, they approved for staff to transfer \$150,000 from the General account to Capital Replacement in order to reduce the funds needed from rates to pay for future capital requirements. Staff will continue to work on fine tuning the operating needs as well as specific costs for new regulations.

### **3.0 EXPANSION PROJECT UPDATE:**

The project continues to stay on schedule and should be complete by end of November this year and within the available escrow fund balance. IREA and additional vendors will be onsite to start the process of training and start up procedures.

### **TENORM:**

Mr. Martin reported he met with Steve Brown and Kurt Rhea from Radiation Pros to discuss the potential TENORM regulations, the costs of contracting an Industrial Hygienist, as well as a new study run on the facility once the ATAD process is brought on line. Mr. Brown will also review past PCWRA studies and provide quotes and recommendations. Alt. Friday commented that they will be meeting with Radiation Pros as well.

### **PFAS SURVEY:**

PCWRA's stormwater and wastewater survey has been given to the Division. Several groups are opposing the new policies on PFAS. When asked about the impacts, Mr. Martin indicated that neither the influent nor the effluent have been tested.

### **REUSE RESERVOIR UPDATE:**

#### Cost

The Reuse Reservoir Rehabilitation and New Pump Station project is coming in significantly higher than the initial Engineering estimates of \$2.5 million. The current estimate is \$4.2 million. Mr. Martin reviewed some options the board can consider for funding the project such as a loan from the capital reserves (much like the Ditch 3 self-loan) or an SRF loan through the Colorado Water Resources and Power Development Authority (CWRPDA). Staff is awaiting information from the CWRPDA regarding the cost and rates of a loan and will report back at the next board meeting. Mr. Martin informed the board of the issues which need to be addressed with this project such as pipeline movement and corrosion, and the current liner which has significant UV damage.

#### Membrane Color

GEI provided two recommendations for the liner, one is white LLDPE and the other black HDPE. The LLDPE liner has a better puncture and UV Resistance but there are concerns with the aesthetics of a white liner therefore Mr. Martin is requesting feedback from the board. Dir. Knight stated communication is key and agreed that the LLDPE would be the most effective. He will discuss with the CPMD board at their September 20<sup>th</sup> board meeting and report back.

### **AUGMENTATION WEBSITE WORK:**

The CDPHE is now hosting the website and have required some modifications from Jehn Water. These modifications have caused the \$1,500 budget to be exceeded. Upon inquiry regarding the expenditure, Jehn

Water explained that the Metro District and the Town have authorized those changes. Dir. Knight and Dir. Marlowe will look in to this further.

## **MANAGEMENT REPORT:**

### CDPHE Update

The Wastewater Utility Council sent a letter to Jim Grice at the Division requesting a delay in the implementation of compliance with the TENORM rule until June of 2022. Work will continue through the stakeholder process including discussions regarding the cost of handling and disposal of TENORM.

The Reg 84 workgroup begins tomorrow. One of the concerns is the chemical evaluations which could be costly and difficult to quickly come within compliance.

GEI is reviewing data to determine what data was used to provide PCWRA its PEL limits regarding the chloride and manganese.

Regarding temperature, staff met with Carrollo to discuss alternatives. Vranesh and Raisch recommends working with Brown and Caldwell as well as Carrollo to collaborate on what other facilities are doing and what the division requirements are. Analysis is being postponed due to lack of guidance from CDPHE.

### Industrial Pretreatment Update

- Permits

IP staff has distributed 221 of the 259 permits. With businesses being new or closed it is difficult to locate property owners, however inspections are going well.

- The Backyard

Mr. Martin updated the board on progress with The Backyard Bar & Grill noting that staff is awaiting the Food Service Application. The owners are anxious to open but more work needs to occur for them to be in compliance with both the PCWRA Rules & Regulations and the Town of Castle Rock Building Department.

### Solids from CPNMD Collections Work

Mr. Martin and Mr. Clark were reviewing flow data discrepancies leading them to investigate the flume at Castle Pines North which appeared to be full of debris, rocks, asphalt and concrete. CPNMD was able to resolve the issue.

## **COVID-19 UPDATE:**

Staff continues to operate on a normal schedule however management is considering the need for shift work depending on the potential next wave of infections due to the re-opening of the schools. Dir. Marlowe mentioned there will be a Covid testing facility opening in Douglas County on September 1<sup>st</sup> with a thirty-minute turn-around time for testing critical workers if needed.

Dir. Marlowe asked if there was any other communication from the CDPHE regarding the wastewater study and whether PCWRA can participate. Mr. Martin said he did talk with the CDPHE and offered our services but was told they have already selected representative areas.

## **OTHER DISCUSSION ITEMS:**

None.

## **ADJOURNMENT**

The next PCWRA Board Meeting is scheduled for September 22, 2020 at 7:30 a.m. There being no further business to come before the board, Dir. Worley declared the regular meeting adjourned at 8:35 a.m.



Mark Marlowe, Secretary/Treasurer