

PLUM CREEK WATER RECLAMATION AUTHORITY
4255 N. US Hwy 85, Castle Rock, CO 80108
REGULAR MEETING MINUTES
Held in person and GoToMeeting
January 25, 2023

CALL TO ORDER:

7:30 a.m.

ATTENDEES:

Mark Marlowe, Josh Shackelford and Nathan Travis, Board Members; Roy Gallea, Alternate Board Member; Wes Martin, Authority Manager; Kirby Clark, Assistant Authority Manager; Patou Griggs, Industrial Pretreatment Coordinator; Alyse Billick, Administrative Assistant; Darryl Farrington, Semple, Farrington, Everall & Case, PC

ANNOUNCEMENT OF QUORUM:

Quorum present.

APPROVAL OF AGENDA:

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

PUBLIC COMMENT:

None

ACTION ITEMS:

MINUTES OF DECEMBER 20, 2022, REGULAR BOARD MEETING:

Dir. Marlowe moved to approve the minutes of December 20, 2022, regular board meeting. Dir. Travis seconded the motion. The motion was unanimously approved.

PAYABLES FOR THE PERIOD ENDING DECEMBER 31, 2022 & JANUARY 31, 2023:

Mr. Martin discussed payment of \$6,401.51 to Alfa Laval Separation for centrifuge work, \$15,138.75 to Brown and Caldwell for the lake nutrients report, \$5,500.00 to Burns & McDonnell Engineering for the building 7 trailer bay void investigation and evaluation, \$5,000.00 for a garage door repair in the maintenance shop to Mile High Garage Door, \$7,160.00 to Tecta America Colorado for removal and replacement of the roof on building 12, \$4,800 to Vista Engineering for the industrial pretreatment report and \$2,078.50 to Vranesh & Raisch for their work for the lake nutrient hearing. He also mentioned the \$490.00 expenditure from the 3.0 expansion escrow fund to Carollo for the filter performance evaluation for a total of \$484,607.77 for the December 2022 payables. In addition, there were January 2023 payables in the amount of \$51,760.17 for a grand total of \$536,857.94. Dir. Marlowe moved to approve the December 2022 and January 2023 payables. Dir. Travis seconded the motion. The motion was unanimously approved.

OTHER ACTION ITEMS:

None.

DISCUSSION ITEMS:

PCWRA 2022 ANNUAL REVIEW:

Mr. Clark reported to the board the status of the plant over the last year and highlighted that although flows stayed the same, the BOD loading decreased about 4%. PCWRA had no permit exceedances in 2022. Mr. Clark also mentioned that staff continues to learn the ATAD system and the impacts it has on the plant.

Mr. Griggs gave a presentation on the 2022 Industrial Pretreatment program, which included Industrial Information Questionnaires received, inspections and sampling events.

REGIONAL WASTEWATER/WATER PLAN UPDATE:

Castle Rock Water has a draft intergovernmental agreement before Douglas County for the regional water/wastewater utilities along the highway 85 corridor. They hope to receive approval around April. After approval, Castle Rock will select a project manager to begin the design process to which PCWRA will participate as a stakeholder.

PCWRA INDUSTRIAL PRETREATMENT RULES AND REGULATIONS UPDATE:

Vista Engineering, who previously developed PCWRA's cost benefit analysis, was asked to update the data to include coffee shops that do not serve food, as well as the board's request last year to evaluate new technologies of grease interceptors. Therefore, a report was submitted that includes a coffee category into PCWRA's cost benefit analysis as well as data regarding technologies on interceptors that might fit PCWRA's industrial pretreatment standards.

DIRECT POTABLE REUSE:

Castle Rock Water and PCWRA will continue to work with CDM Smith on a sampling plan for direct potable reuse. Castle Rock Water will cover any costs associated with PCWRA, which will include online monitoring.

REUSE RATES AND CAPITAL PLANNING:

The SRF loan process has begun through the Colorado Water Resources and Power Development Authority (CWRPDA). Concerns arose within the CWRPDA regarding these funds being used to supply water for private golf courses, however staff explained at a second meeting that this project is to protect water resources and the members of PCWRA would ultimately be responsible for the loan. The loan will require agreements to be in place which stipulates the members will be responsible for the payments should the golf courses default on the loan obligations. An alternative loan could be used to secure funding to begin the project at the end of 2023.

PARKSON FILTER UPDATE:

Parkson was onsite January 9 through January 13, 2023, to clean and evaluate filter performance. The sand was not moving as designed so Parkson worked with staff to clean the filters. Parkson increased the backwash frequencies and reported that the filters appeared to be clean at the time of their departure. Staff is expecting a report from Parkson later this week. There has also been some concern with the media size, but staff was told by Parkson that a reduction in media size could increase the risk of the filter becoming plugged. Measurements around the facility were also submitted to Burns and McDonald for head loss to recalculate their model to determine if smaller sand is even a possibility.

MANAGEMENT REPORT:

Plant Updates

There were issues with nitrification in the last week which has disrupted PCWRA's biological process and could cause issues with the thirty-day average on ammonia.

Five of the Schneider VFDs from the 3.0 expansion have malfunctioned causing arc flashes. Management has implemented procedures to protect employees and only allows a certified electrician to restart them. Browns Hill and Moltz have been looking into alternate VFDs.

Staff has been working with the USGS and the Town of Castle Rock to relocate the stream gauge at Haskins Gulch. Castle Rock Water is creating a structure that will allow easier sampling and improved flow measurement accuracies.

PCWRA is working with Terracina Design and the Town of Castle Rock to install a new 8-inch sewer line near the Castle Rock Parkway interchange that will tie into the Town of Castle Rock and Meadows splitter box.

CDPHE Update

There is a new CDPHE permits section manager who will be announced once their employment is finalized.

The CDPHE was grandfathering chemical usage in facilities and permits, however they may now require any revised or renewed permits to go through the chemical approval process, which is very difficult even with common chemicals like polymer, ferric, and alum. Some chemical manufacturers are now requiring facilities and the CDPHE to sign a contract guaranteeing they will not release any proprietary information regarding the constituents which make up the chemicals they are providing.

The EPA still hasn't approved a PFAS testing method but are looking at the 1633 method for biosolids which was supposed to be completed last year. PCWRA is now required to test biosolids quarterly for PFAS.

The Colorado Wastewater Utility Council (CWWUC) is running out of funds to continue Gabe Racz's work for the lake nutrient criteria and has requested additional funding. Some members are considering not supporting the effort.

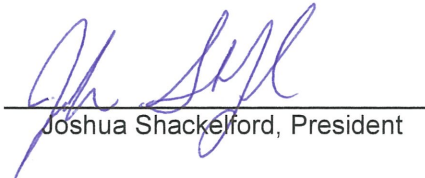
PCWRA is continuing to support CWWUC and the Chatfield Watershed Authority (CWA) regarding the lake nutrient criteria. Mr. Martin is attempting to set up a meeting with CWA, Colorado Parks and Wildlife, and the Division with the hopes of coming to an agreement on these issues. Discussion ensued regarding what could be done to help and how PCWRA's cost benefit analysis has helped some of the smaller facilities. The lake nutrient criteria hearing is set for April but could possibly be extended. Castle Rock Water will provide what rates could possibly be for customers and Mr. Martin will request Gabe Racz attend next board meeting.

OTHER DISCUSSION ITEMS:

Due to scheduling conflicts, Dir. Shackelford requested the February 22, 2023 board meeting be moved to March 1, 2023. After some discussion, Dir. Marlowe made a motion to move the February 22, 2023 board meeting to March 1, 2023. Dir. Travis seconded the motion. The motion was passed unanimously.

ADJOURNMENT

There being no further business to come before the board, Dir. Shackelford declared the meeting adjourned at 8:43 a.m.



Joshua Shackelford, President