

PLUM CREEK WATER RECLAMATION AUTHORITY
4255 N. US Hwy 85, Castle Rock, CO 80108
REGULAR MEETING MINUTES
Held in person and GoToMeeting
March 22, 2023

CALL TO ORDER:

7:30 a.m.

ATTENDEES:

Mark Marlowe, Joshua Shackelford and Nathan Travis, Board Members; Roy Gallea and Richard Munday, Alternate Board Members; Wes Martin, Authority Manager; Kirby Clark, Assistant Authority Manager; Lissa Oelkers, Director of Administrative Services; Alyse Billick, Administrative Assistant; Darryl Farrington, Semple, Farrington, Everall & Case, PC

ANNOUNCEMENT OF QUORUM:

Quorum present.

APPROVAL OF AGENDA:

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

PUBLIC COMMENT:

Attendees: Jim Walker, Pine Canyon; one unidentified caller

Comments: None

ACTION ITEMS:

MINUTES OF March 1, 2023, REGULAR BOARD MEETING:

Dir. Marlowe moved to approve the minutes of March 1, 2022, regular board meeting. Dir. Travis seconded the motion. The motion was unanimously approved.

PAYABLES FOR THE PERIOD ENDING FEBRUARY 28, 2023:

Mr. Martin discussed payment of \$3,515.00 to Browns Hill Engineering for removal and reinstallation of a VFD for an influent pump, which is expected to be reimbursed by Thermal Process Systems. He also mentioned \$8,048.00 to Forsgren Associates for the engineering of the RAS piping modification project for a total of \$520,856.06 for the February 2023 payables. He also mentioned the \$4,010.00 expenditure from the 3.0 expansion escrow fund to Carollo for the filter performance evaluation for a grand total of \$524,866.06. Dir. Marlowe moved to approve the February 2023 payables. Dir. Travis seconded the motion. The motion was unanimously approved.

OTHER ACTION ITEMS:

None.

DISCUSSION ITEMS:

2022 FINANCIAL REVIEW:

Ms. Oelkers presented information on the 2022 financials for PCWRA. She provided insight on the earnings in the ColoTrust funds, safety grant usage and expenditures that were impacted by economic conditions.

REGIONAL WASTEWATER/WATER PLAN UPDATE:

Castle Rock Water (CRW) continues to work with Douglas County, as well as Dominion to come to an agreement on building a regional wastewater facility for the Highway 85 corridor. The first phase of this plan would place a lift station in Louviers and a reuse pump station to ensure the existing line can bring water back to Castle Rock Water's reservoir in Sedalia. Castle Rock Water is hopeful that the final intergovernmental agreement will go before Douglas County in April. Afterwards, a separate intergovernmental agreement will be drawn up between CRW and Dominion. Dir. Marlowe stated he would like Mr. Martin to act as consultant in the design of the Louviers facility in the event PCWRA is contracted for operations of the facility.

DIRECT POTABLE REUSE:

Phase one to implement a direct potable reuse (DPR) program requires a minimum of one year of monitoring data from the plant. The data will also help determine the additional cost of DPR along with the costs determined by CDM Smith's sampling plan once that is received. Castle Rock is very interested in using DPR as a drought contingency, but the CDPHE does not provide separate regulations for that situation. Castle Rock Water will cover the costs of the sampling, including analysis, labor and equipment costs.

REUSE RESERVOIR REHAB PROJECT:

Staff expects to hear from the Colorado Water Resources and Power Development Authority (CWRPDA) in June or July regarding a potential loan for the Reuse Reservoir Rehabilitation and Pump Station Project. The type of loan provided will dictate the timeline of funding.

MANAGEMENT REPORT:

Plant Updates

Staff continue to work with Carollo and Parkson attempting to get the filter sand to a "clean state" however, Carollo believes it is time to go in a different direction. So far, the air lancing of the filters has required a significant amount of staff hours. Burns & McDonnell still needs to provide hydraulic calculations reports for smaller sand.

PCWRA, CPMD and Castle Rock Water held the quarterly joint operations meeting on March 15th. These continue to be valuable meetings and provide up-to-date information on staffing and upcoming projects within each organization.

The location of the effluent flume level sensor has been moved and recalibrated after recommendations from the EPA. There hasn't been any noticeable change, but staff will continue to monitor for accuracy. The headworks flumes will also be evaluated in the near future.

Staff is waiting on a quote from Moltz Construction to fix cracks in the decks of the ThermAer tanks, which is causing odors and heat loss.

CDPHE Update

The EPA released their drinking water requirements for PFAS at 4 parts per trillion. PCWRA is working with Colorado Monitoring Framework to inform the public about what PFAS is, and what it means to public health. Dir. Marlowe mentioned that Castle Rock Water's website could be referenced as it has an extensive PFAS section. There is concern about what these requirements will mean for wastewater, biosolids and the farms to which biosolids have been applied. Several utilities have informed the Division that with the recent permits issued, it is very difficult to source track the PFAS or PFOA due to the low levels, testing and dilution factors. The Division will take this information into consideration moving forward.

The CDPHE is having a difficult time finding sponsors for their fee bill, this could potentially have to be pushed back two years.

PCWRA, Castle Rock Water and several other stakeholders submitted a letter to the Governor's office, as well as other legislators requesting a delay in the Lake Nutrient Criteria hearing. Dir. Shackelford and Dir. Travis mentioned that their facilities would be sending out letters as well. These letters have made a large impact on the current situation, even with opposition from Denver Water, Colorado Parks and Wildlife and the EPA. The brief proposal will be coming out on April 3, 2023 for staff to review and have the opportunity for rebuttals. Also, the Division's cost benefit analysis was sent to PCWRA's board members which reveals that reverse osmosis (RO), might be the only option to achieve the proposed limits.

The CDPHE and EPA is exploring the option of requiring wastewater facilities to perform sanitary surveys, similar to ones already required for water districts. This could potentially require a lot of additional work to meet these requirements.

OTHER DISCUSSION ITEMS:

Dir. Shackelford asked about the current status on the Parkson filters after their rep was onsite last month. Mr. Martin informed the board about the visit and that he has not received any information on similar projects that are meeting the limits.

Silver Heights has approached Castle Rock Water for additional wastewater capacity. Dir. Marlowe stated that CRW is willing to help and will approach the PCWRA board for approval in the coming months.

Dir. Marlowe discussed the possibility of using the PCWRA property north of the plant, which was previously purchased as a reservoir site. The Board asked staff to provide an overview of the property at the next board meeting.

Mr. Martin expressed concerns with the proposed heavy truck traffic on PCWRA property for the Town's work in the creek stating it could cause electrical duct bank issues. He has already met with Town staff for a solution.

ADJOURNMENT

There being no further business to come before the board, Dir. Shackelford declared the meeting adjourned at 8:08 a.m.



Joshua Shackelford, President