



LAURENS COUNTY WATER AND SEWER COMMISSION

**Board of Commissioners Meeting
July 23, 2019**

8:15 a.m.

Minutes

COMMISSIONERS PRESENT: Doug Hendrick (Municipal), Sam Peden (I), Philip O'Dell (II), Jurell Byrd, Secretary (III), Susan Curry, Treasurer (V), John McMurray, (VI) and Ted Davenport, Chairman (VII)

COMMISSIONERS ABSENT: Bill Teague, Vice Chairman (IV)

STAFF: Jeff Field, Executive Director
Steve Griffin, Construction Manager
Damas Mattison, Regulatory Compliance and Operations Manager
Wendy Medlock, Director of Finance
Angie Nelson, Director of Administration and Customer Service
Debbie Price, Executive Assistant
KC Price, Engineering Manager

ATTORNEY: Allen M. Wham

PRESS: Clinton Chronicle

Call to Order

Invocation

Approval of June 25, 2019 Minutes

Chairman Remarks

Executive Director Remarks

LCWSC Monthly Financial Summary

LCWSC Monthly Operations Summary

New Business

1. United States Department of Agriculture (USDA) Letter of Conditions, Additional Funding for Lake Greenwood Water Treatment Plant (WTP) – Debra Green, USDA Rural Development
2. Update on Water Quality Issues in the Laurens CPW Purchase Area
3. Water Capacity, Management, Operations, Maintenance (CMOM) Year End Report
4. Sewer Capacity, Management, Operations, Maintenance (CMOM) Year End Report

Old Business

1. Lake Greenwood Water Treatment Plant Update

Executive Session

Upon returning to open session, the Commission may take whatever action deemed appropriate on matters discussed in executive session.

Other Business

Adjourn

CALL TO ORDER

Chairman Davenport called the meeting to order at 8:20 am in the board room of Laurens County Water and Sewer Commission.

Invocation was given by Commissioner McMurray.

APPROVAL OF MINUTES

Chairman Davenport asked if there were any additions or corrections to the June 25, 2019 minutes, as submitted to the Commissioners.

Commissioner Hendrick MOVED *that the minutes be accepted as submitted*. MOTION SECONDED by Commissioner Byrd. MOTION CARRIED. AYES, 6; NAYS, 0

CHAIRMAN REMARKS

1. Chairman Davenport welcomed the press to the meeting and stated that the United States Department of Agriculture (USDA) letter of conditions will not be presented today.

LCWSC MONTHLY FINANCIAL SUMMARY

The monthly financial summary was presented to the Commissioners. A copy of this summary can be found in the Commissioner Board packet.

As of June 30, 2019, LCWSC had a total of \$5,660,827 in cash for operating and reserve funds as compared to \$4,612,913 this time in FY18.

LCWSC MONTHLY OPERATIONS SUMMARY

The monthly operations summary was presented to the Commissioners. A copy of this summary can be found in the Commissioner Board packet.

Mr. Field reported 311 new services installed as of June 30, 2019, with 23 new services in the month of June. There were 2 active service line leaks and 3 active main line leaks.

Commissioner Davenport asked if the age of pipe has an effect on the leaks. Mr. Field stated that the quality of PVC pipe construction has improved greatly over the last 25 years and LCWSC has upgraded our system over time, replacing sections with bigger lines and minimizing liabilities. Mr. Griffin discussed several locations that are planned for replacement; some of the worse areas will be abandoned.

Mr. Mattison reported LCWSC is tracking the leaks via a global positioning system (GPS). Tracking the leaks allows us to determine the concentration.

Pressure management will improve once the water treatment plant progresses. A 16-inch line on Highway 72 will substantially reduce pressure in this area.

Mr. Mattison discussed water purchased and percent loss. For the month of June, the total water loss was 16% of which 13% was unaccounted for through background leaks in the system. The rolling 12-month average for unaccounted water loss is 14.03%. The target is 18.00%.

NEW BUSINESS

1. United States Department of Agriculture (USDA) Letter of Conditions, Additional Funding for Lake Greenwood WTP – Debra Green, USDA Rural Development

The USDA was onsite the previous week to work out the last funding piece for the Lake Greenwood WTP; we should know the final decision by this Thursday.

Mr. Field stated that once funding is approved, we will need to finalize the letter of conditions, legal, financing, and bid distribution improvements in the next 2 to 3 weeks to stay on schedule. Our goal is to have Harper Construction on site in September with a groundbreaking in October. A called Board Meeting will be scheduled after we receive the final decision.

2. Update on Water Quality Issues in the Laurens Commission of Public Works (CPW) Purchase Area

Mr. Field discussed the water quality issues in the area of western Laurens County served by the Laurens Commission of Public Works. LCWSC purchases water from Laurens CPW for distribution to approximately 4500 customers. Geosmin, a naturally occurring algae in Lake Rabon, is causing the current water quality issues. Other upstate areas have dealt with the problem in the past. Anderson County had a Geosmin issue for several years and eventually installed an ozone system. LCWSC is including ozone in the Lake Greenwood WTP project to prevent this issue.

Mr. Mattison provided a map of the areas where we are seeing these complaints.

3. Water Capacity, Management, Operations, Maintenance (CMOM) Year End Report

Mr. Mattison provided a year end water CMOM report, which included current assets and the FY 2019 and FY 2020 schedules. Some action items on the schedule will be rearranged to ensure we have time to do everything; for example, flow tests will be expanded. The fire department has signed on to do some of the maintenance, such as cutting the grass.

Flushing, valve maintenance, hydrant flow tests, and elevated tank maintenance was discussed.

The FY 2019 flushing total was 9,638,941 gallons for routine flushing, dirty water complaints and leaks. Some of the areas served by Laurens CPW water were flushed twice, resulting in the high total.

There were 906 annual exercising work orders completed in FY 2019. Out of 4128 total system valves, there were 1148 work orders completed with 48 existing replace work orders.

Mr. Mattison stated there were 122 hydrant flow tests performed in FY 2019. Hydrant flow tests will be on a schedule; information will be pulled out of City Works into the model preparation. The model will give us a better idea of water flow and different dynamics in the system. We will move from district management area (DMA) to DMA to complete the whole system. 229 of 862 hydrants are completed.

Weekly inspections, performed by our operators, are required on each elevated tank in our system. Our operators check all the equipment and check/monitor chlorine. More substantial maintenance is performed by outside contractors.

Outside contractors performed the following in FY 2019:

- Washouts: Odell and Bethany
- Painting: Odell, Cross Hill, and Bethany (Painting is exterior with the exception of Bethany which was inside and outside)
- Visual Inspections: New Owings, Greenpond, Hospital and Maddens

Upcoming maintenance scheduled during the 2019 calendar year includes:

- New Owings Washout
- Waterloo Washout
- Joanna Washout
- Hickory Tavern Inspection

Mr. Mattison discussed dirty water complaints and water quality tracking information for 2017 through 2020. He stated that most of our problems come in the summer months, with 83 water quality complaints in July of this year.

Mr. Price added that the current Laurens CPW issue with Geosmin is usually more of a Spring growth associated product. Geosmin is a chemical that is produced by algae. When the algae is treated or it dies naturally, the cell breaks open and gets into the water supply. In the Fall, there is another compound called MIB, which is more persistent and harder to treat. Geosmin can be treated with carbon if the numbers are not too high. If the numbers are high, Ozone would be the best treatment

4. Sewer Capacity, Management, Operations, Maintenance (CMOM) Year End Report

Mr. Mattison provided a year-end sewer CMOM report. Discussion included the FY 2019 and FY 2020 schedules, gravity mains and closed-circuit TV (CCTV), force mains and air release valves (ARV), Right of Way (ROW), manhole inflow and infiltration (I/I), and maintenance.

Gravity mains and CCTV work included 1838 feet of cleaning by contractor and 6595 feet of cleaning in-house. CCTV found 137 root intrusions, 8 large cracks and 33 points of infiltration. Mr. Mattison reported 22,095 feet of CCTV inspections focusing in the ReWa basins. 5067 feet of open cut and pipe bursting replacement was performed.

Force mains and ARV work included visual inspections of 27.3 miles of force main, 70 ARV inspections completed, 9 ARVs replaced, 3 ARVs removed and 10 ARVs still needing repair.

ROW work included mowing and clearing 177.8 acres. We also recovered ROW over 10 line segments in Walnut Crest. In the next 90 days, we plan to repair the creek crossing at Woodfield and North Creek, cut overhang beginning with the Woodfield system, and repair gravity main that has been exposed at the Highway 25 creek crossing.

Mr. Mattison discussed manhole and I/I. Out of 140 manhole inspections performed in North Creek, 16 are in need of rehab and 2 manholes in Millers Fork are in need of rehab. 88 manholes were checked during rain events for inflow and infiltration; 3 were under water, 3 had surface water entering, 7 were surcharging and 54 were above the normal flow line.

Mr. Field added that the Fibertex project is complete. They are still using a pump and haul contract because they are expanding and adding another building; the expansion is due for completion in mid-September. He also added that the existing lift station for Country Fresh will be relocated down into

the industrial park. Country Fresh will be reconnected with the gravity line. New force main coming out of the industrial park will go from a 4-inch force main to a 6-inch force main for about 4000 feet on the frontage road. The 6-inch force main will lower pressures and minimize potential breaks and leaks.

Mr. Mattison discussed the LCWSC in-house maintenance group, which serves both water and sewer. The maintenance group consists of Barry Templeton, Justin Kuykendall, Blygh Baumberger, and Danny Pack. The maintenance group follows a schedule and are trained to identify and resolve problems quickly.

OLD BUSINESS

1. Lake Greenwood Water Treatment Plant Update

Mr. Price provided an update on the Lake Greenwood WTP and reported that all easements are complete.

He discussed the updated cost estimated. The current guaranteed maximum price (GMP) is \$28,360,650, which is a 1.31% increase from the 90% GMP. This is not the final GMP number.

He reported that LCWSC is currently evaluating alternate backwash that will likely impact the GMP. Backwash is the process of pumping clean water in reverse through the filter. Three cells produce the water for the 4th cell to clean. Goodwin Mills Cawood (GMC) has hired Joe McGougan, Green Leaf Filter, to review the design and provide feedback.

Executive Session

Upon returning to open session, the Commission may take whatever action deemed appropriate on matters discussed in executive session.

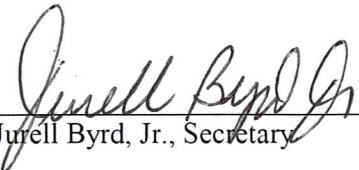
None

Adjourn

Commissioner Hendrick MOVED that the *Board of Commissioners meeting be adjourned.*
MOTION SECONDED by Commissioner Byrd. MOTION CARRIED. AYES, 6; NAYS, 0

There being no further business the Commission adjourned at 10:40 am.

I certify that the above Minutes accurately reflect the business conducted at the Commission meeting on July 23, 2019 and that the minutes were approved at the meeting held August 27, 2019.


Jurell Byrd, Jr., Secretary