

AGENDA

SPARTANBURG SANITARY SEWER DISTRICT COMMISSION

REGULAR MEETING

MEETING PLACE: 200 Commerce Street

Tuesday, February 22, 2022, 2:15 p.m.

This is a regular meeting of the Spartanburg Sanitary Sewer District Commission. Written notice of the date, time, and place for this meeting, along with the agenda, has been posted in the lobby and on the Spartanburg Water website, and copies have been forwarded to local and nearby news media (including Spartanburg Herald-Journal, The Spartan Weekly, Greenville News, The Greer Citizen, Hometown News, WSPA-TV 7, WYFF-TV 4, WLOS-TV 13, WHNS Fox Carolina, WORD News Radio, WOLT-FM Radio, Tribune Times, and the Times Examiner) at least 24 hours prior to this meeting.

- 1. PRAYER**
- 2. APPROVAL OF MINUTES OF REGULAR MEETING OF JANUARY 25, 2022**
- 3. WEASC QUARTER CENTURY OPERATOR AWARD**

The Quarter Century Operator honors the operators of water or wastewater treatment and transportation facilities for their service and dedication in a difficult and dangerous field. At the annual WEASC Operator's Conference in Myrtle Beach on November 1, 2021, Mike Russell received this honor.

Previous to Spartanburg Water, Mike was employed by TYCO Electronics in Gaffney, where he began his career as a wastewater operator in 1990. Mike has been employed by Spartanburg Water since 2002, when he started as a Wastewater Treatment Operator. In 2014, he was promoted Lead Operator. Throughout Mike's career at Spartanburg Water, he has played an important role in expansions and improvements in the wastewater plants. His most recent project work involved the Lower North Tyger River Wastewater Treatment Facility upgrade and the successful process adaptations involved with receiving wastewater streams from Toray.

- 4. WEASC BLUE RIDGE FOOTHILLS DISTRICT – FOG LEADER OF THE YEAR AWARD**

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The FOG Leader of the Year Award recognizes the individual for their contribution to the protection of the environment directly related to the fats, oils, and grease (FOG) contamination. FOG when mixed with other materials causes line blockages that may cause overflows in the system.

At the WEASC/Blue Ridge Foot Hills District annual awards ceremony held on January 25, 2022, Alex Grubbs was given this award for his work. As a Compliance Specialist, Alex is solely responsible for the inspection of 600 plus grease traps in the Spartanburg Sanitary Sewer District. In the past year, Alex has led improvements in the systems with his attention to detail and his insistence of compliance from those customers. He has driven the effort for food service establishments (FSE) to replace, increase frequency of pumping, and to comply with security and surveillance requirements around the traps. While taking this initiative, Alex understands the impact FOG has on the collection system and presses forward to reduce FOG related sewer overflows and other collection system issues.

5. EXECUTIVE SESSION

The Commission will meet in Executive Session to discuss matters related to an Interim Chief Executive Officer.

6. INTERIM CHIEF EXECUTIVE OFFICER

7. MONTHLY FINANCIAL REPORT

Newt Pressley will present a financial summary of SSSD expenditures and revenues for the seven-month period ending January 31, 2022.

8. COVID REPORT

Management will provide an update to the Commission.

9. INTERGOVERNMENTAL AGREEMENT WITH DANIEL MORGAN WATER DISTRICT

In connection with the Chesnee sewer system transfer to SSSD, management has facilitated an Intergovernmental billing and collection Agreement (IGA) between SSSD and Daniel Morgan Water District (DMWD).

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The DMWD customers in Cherokee County (approximately 40 customers) will be billed directly by SSSD for their monthly sewer service. The IGA provides for the regular transmittal of customer account information and monthly meter reading data to SSSD by DMWD. The IGA also provides that customers with past due SSSD balances may be subject to disconnection of their water service by DMWD. Management requests approval for the CEO to sign this agreement on behalf of the Commission.

10. SAFETY TASK FORCE UPDATE

Management will provide the Commission with an update.

11. RECEIPT OF BIDS – PACOLET MILLS #2 PUMP STATION REHABILITATION PROJECT

Bids were received on January 13, 2022, for the Pacolet Mills #2 Pump Station Rehabilitation Project. The pump station was originally constructed in 1991 to serve the Pacolet Mills community and has reached the end of its useful life and is in need of rehabilitation. In addition to replacing the existing pumps with newer, more efficient units, this project will bring the station into compliance with the current Spartanburg Sanitary Sewer District Standard Specifications.

The bid was advertised publicly in the Herald-Journal and SCBO, as well as on our website. In addition, staff invited all of the 2020-2022 prequalified contractors to submit a bid. Fourteen contractors were provided the bid documents for the project and two contractors submitted a bid. The bids were as follows:

<u>BIDDER</u>	<u>AMOUNT OF BID</u>
T.P. Howard's Plumbing Co., Inc. Fairview, NC	\$313,000
The Harper Corporation Greenville, SC	\$405,000

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Management recommends awarding the contract to the lowest responsive bidder, T.P. Howard's Plumbing Co., Inc., of Fairview, NC, for the amount of \$313,000. This project will be funded by depreciation funds.

12. NOTIFICATION OF ENACTMENT OF EMERGENCY PROCUREMENT – BASF SEWER FORCE MAIN

On December 14, 2021, BASF Corporation (formerly Whitestone Chemical) notified SSSD of a leak on the 4-inch force main that traverses their property at 3455 Southport Road. When the leak was discovered, SSSD took BASF's sewer pump station off line and a 24-hour/day pump and haul operation was initiated. Staff determined that the leak was underneath the railroad tracks on the section of force main within the encasement. Due to a third railroad spur being constructed into the plant site without the installation of an encasement around the existing force main, staff was unable to access both ends of the encasement to extract and replace the existing pipeline. Without access, the most efficient way to restore the force main and service was the installation of a cured in place pipe-lining. The decision was made to install the lining across the entire length of the railroad right-of-way to avoid a repeat of this situation.

Staff reached out to two lining contractors regarding the force main restoration. RAH Plumbing Solutions was the only contractor able to visit the site, provide a quote, and mobilize within 48 hours of the initial request. RAH Plumbing Solutions provided a quote of \$45,250 and a projected start date of December 22, 2022.

RAH Plumbing Solutions mobilized December 22, 2022, and working with SSSD staff installed the lining in two sections and restored the integrity of the force main. The lining cured overnight and the pump station and force main went back on line and the December 23, 2022 at 8:00 am.

The above is provided as information to the Commission.

13. CLIFTON-CONVERSE SEWER BASIN STUDY – PROFESSIONAL SERVICES

Spartanburg Sanitary Sewer District (SSSD) is experiencing significant growth in the area east of Webber Road and south of East Main Street in Spartanburg and extending to the Pacolet River and beyond. The majority of

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the wastewater in this area flows to and is treated at the Clifton Converse WWTF (CCWWTF) and is discharged to the Pacolet River. The current allocated capacity for the CCWWTF is approaching the 80% threshold at which time a Preliminary Engineering Report (PER) must be submitted to SCDHEC outlining our plans to deal with the increased flow.

The SSSD Engineering Department identified several possible options to address this issue:

- Upgrade the CCWWTF to increase the permitted capacity
- Divert a portion of the current and future influent flow to another WWTF
- A combination of the above.

The SSSD Engineering Department contacted three local engineering consultants and requested that they submit a Letter of Interest and Approach to assist us in evaluating the options, identifying the best short and long- term solutions and finally the preparation of an acceptable PER to SCDHEC. Responses were received from all three firms:

- Summit Engineering Group, Inc.
- KCI Technologies, Inc.
- Goldie Associates, Inc.

Following a detailed evaluation by SSSD staff, Goldie Associates, Inc., was selected as the respondent whose project understanding and approach was determined to most-closely align with the requirements of the project

Management recommends the approval of a professional services contract with Goldie Associates, Inc., in the amount of \$74,700. This project will be funded by SSSD capital funds.

14. PAGE CREEK UV EFFLUENT DISINFECTION UPGRADE PROJECT – GOLDIE ASSOCIATES, INC., CHANGE ORDER REQUEST

Following approval by the Commission at the May 25, 2021, meeting, a Professional Services Contract was executed with Goldie Associates, Inc., (Goldie) for the replacement and upgrade of the existing UV system at the

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Page Creek WWTF (PCWWTF). Based on recent maintenance and performance problems at the Page Creek Effluent Pump Station (EPS). Goldie’s original scope also included an overall evaluation and recommendation of needed improvements at the EPS.

Goldie’s work on the EPS revealed the following problems:

- Deterioration of the submersible pump mechanical supports and associated concrete structures in the wet well
- Inadequate pump capacity to handle peak flows

Goldie prepared a report wherein they proposed three possible options to address the problems identified at the EPS:

- 1) Rehabilitation of the wet well and the replacement of one of the three 25HP pumps with a 280HP pump that would provide the necessary additional capacity
- 2) Rehabilitation of the wet well and the installation of a 145HP “in-line” booster pump that would provide the necessary additional capacity
- 3) Rehabilitation of the wet well and the installation of a new diesel-powered back-up pump with sufficient capacity to handle 100% of the PCWWTF peak flows

The estimated cost of Option 1 was greater than either of the other two. Options 1 and 2 would both result in the need to upgrade the standby generator at the PCWWTF, which would be a substantial increase in costs. Option 3 was selected as the most cost-effective option. This option also provided the benefit of allowing the EPS to be taken out of service if needed during future maintenance.

As part of their ongoing design of the UV disinfection upgrade project, Goldie also found that there were conflicts with underground electrical cabling at the original equipment location. Changing the location of the new UV equipment required geotechnical investigations that had not originally been needed along with additional design work.

However, the original plan for the UV system upgrade was to install an essentially-identical system in a parallel concrete channel. Goldie presented

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a variety of alternatives to this original plan. After an extensive evaluation by Operations and Engineering staff, the decision was made to select an “in-pipe” UV system. The design work associated with this equipment was significantly reduced from the original plan, and Goldie has presented a credit for this un-used part of their design fee.

The work described above has resulted in a significant expansion of Goldie’s original scope, and they have submitted a Change Order Request to cover this additional work that will also include the design, permitting, bidding and construction oversight of the improvements at the EPS.

The following is the current status of Goldie’s Contract and the requested addition:

Original Goldie Contract	\$ 63,000
Credit from reduction in original scope (“in-pipe” UV system vs the planned Paralle “in-channel” system)	(\$ 16,500)
Design, permitting, bidding and construction Oversight of the Effluent Pump Station improvements and update of the PCWWTF O&M Manual	\$ 92,300
Net Change to Goldie’s Contract	<u>\$ 75,800</u>
New Contract Amount	\$138,800

Management recommends the approval of a Change Order No. 1 to Goldie’s current contract in the amount of \$75,800. This project will be funded by SSSD capital funds.

15. OWNERSHIP AGREEMENT – WESTGATE VILLAGE TOWNES

SPD Partners, LLC proposes to construct approximately 2,138 linear feet of 8-inch gravity sewer line to provide service to 123 residential lots and an amenity center in Westgate Village Townes located off of West Blackstock

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Road. The sewer line will connect to the existing SSSD infrastructure. The domestic waste will be treated at the A. Manning Lynch Wastewater Treatment Facility. The developer will bear all costs.

The line will be constructed according to District-approved plans and specifications, with District inspection provided. The owner will provide all necessary right-of-way and easement agreements for this project.

The form of the agreement transferring ownership of the gravity sewer to the District has been reviewed by the District's attorney and executed by SPD Partners, LLC. Under the terms of the resolution adopted by the Commission on May 29, 1990, this agreement has been executed on behalf of the Commission by the Chief Executive Officer.

The above is provided as information to the Commission.

16. NEGOTIATIONS AND MISCELLANEOUS ADMINISTRATIVE MATTERS