A Quarterly Publication of:



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Issue No. 165 Summer 2016

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### **Conferences**

The annual meeting of the <u>Tennessee Municipal</u> <u>League (TML)</u> was held June 11-14 at the Gatlinburg Convention Center. We enjoyed visiting with our clients and friends at the Ice Cream Parlor.

The annual <u>WATER PROFESSIONALS CONFERENCE</u> (the joint meeting of the KY-TN AWWA and WEA) was held at the Knoxville Convention Center in Knoxville, Tennessee, July 17-20. Our <u>Ice Cream Social</u> was another great success and we certainly were pleased to see so many of our clients at this event.

Pictured right are some of the guests enjoying the topping station.



### Project Updates

### Adamsville, Tennessee

A review for Lagoon Treatment Capacity is being prepared for submission.

#### Chapel Hill, Tennessee

A Sewer Master Plan and Corrective Action Plan have been completed and submitted to the Owner and appropriate regulatory agencies.

A report for a 2016 Community Development Block Grant Sewer Rehabilitation project was submitted to ECD and announcements are expected Fall 2016.

For more information, please visit our website www.jrwauford.com

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### **Project Updates**

### Cleveland Utilities Cleveland, Tennessee

The Automatic Read Water Meter System Phase 2 project is complete and closed out.

Design of improvements to the Peak Wastewater Diversion Pumping Station is underway.

### Columbia, Tennessee

The Capacity Assessment Plan, Sewer System Evaluation Survey Work Plan, Fats, Oils and Grease Control Program, Sanitary Sewer Overflow Response Plan, Pump Station Operation and Preventive Maintenance Program, Continuing Sewer System Assessment Program, Infrastructure Rehabilitation Program, and Information Management Systems are complete and approved by EPA as part of the Administrative Order of Consent. The Capacity Assessment Report is complete and being submitted to EPA. Cleary Construction was the low bidder on the Carters Creek Pumping Station Renovation project in the amount of \$651,000. Construction is expected to begin late summer due to timing of pump delivery.

#### Crossville, Tennessee

Construction for the Holiday Drive and Lantana Estates Water Line Replacement Project, which consists of the replacement of 19,000 L.F. of 6-inch asbestos cement water line, is underway with a completion date of November 12, 2016. At this time, approximately 4,000 L.F. of 18,215 L.F. of 6-inch pipe has been installed.

### Dayton, Tennessee

A pre-construction conference was held July 13 for the Sewer System Rehabilitation project, in the Kayser Roth area, in the amount of \$449,596, and has a completion date of April 2017. Dynamic Construction will be the Contractor on the job.

Modifications to an engineering report for improvements to the WWTP are underway to allow project phasing.

Work on the Hwy 27 North White Oak Road sewer lines is complete.

# Fentress County Utility District Fentress County, Tennessee

The new 200,000 gallon Clarkrange Elevated Tank project, with the low bidder Phoenix Fabricators and Erectors at \$610,717, is under construction. The steel erection crew is on site and completion is expected late October 2016.

200,000 gallon elevated tank pictured right Fentress County Utility District



### Fentress County Utility District Fentress County, Tennessee (Cont'd)

The Highway 127/62 utility relocation project through TDOT has a letting date of March 2017.

An engineering report for an ARC grant application has been submitted for a 12-inch water transmission line from FCUD's Clarkrange Tank to the Industrial Park.

### Halls, Tennessee

The NPDES Permit renewal application is complete and was accepted. The draft for review is pending.

# Henderson Water Utility Henderson, Kentucky

The \$10.5 million North Wastewater Treatment Plant expansion is nearing completion with all new unit processes in operation. Only punch list items remain.



Pictured above is 36.0 MGD Headworks Facility Henderson, Kentucky



Pictured above 36.0 MGD Trojan Signa U.V. Disinfection Facility Henderson, Kentucky

Issue No. 165 Page 3

### Henderson Water Utility Henderson, Kentucky (Cont'd)

Design is underway for replacement of the Atkinson Park and Myrene Drive Sewage Pumping Stations including new 18-inch and 12-inch force mains. The Geotechnical Report is complete and the Owner is acquiring easements for the force mains.

Design of the South Water Treatment Plant Renovation is nearing completion. This project includes a new 4.0 MGD GE Water and Process Technologies Membrane Filtration System, Flash Mix Structure, Solids Contact Clarifier, and GAC Contactors.

Design of the North Wastewater Treatment Plant Final Clarifiers No. I & No. 2 Rehabilitation project is complete and plans and specifications have been submitted to KDOW.

Construction of the I.0 MG Vine Street Water Storage Tank Renovation has been awarded to Preferred Sandblasting of Shelbyville, Tennessee at a total contract amount of \$845,700. Work is progressing on schedule and construction of the new air conditioned equipment room is complete.

### Hohenwald, Tennessee

The ARC/SRF project for Lewis County and Hohenwald that extends a 6-inch water line approximately 28,000 L.F. along Summertown Hwy. is ongoing with the Contractor having installed line WL-1. Work is underway on added line work and the booster pumping station. This \$557,194.47 project has a completion date of October 2016.

A semi-annual report in reference to the pretreatment program is in progress.

The Appalachian Regional Commission recently announced award for the Water System Rehabilitation in the amount of \$500,000.

Report for a 2016 Community Development Block Grant focusing on Water Rehabilitation was submitted to ECD and announcements are expected Fall 2016.

### Hopkinsville Water Environment Authority (HWEA), Hopkinsville, Kentucky

Construction on Phase 7 Priority No. 2 Sewer Rehabilitation Project is complete.

Plans and specifications for Priority No. 3 Phase 7 are complete and have been submitted to the Owner.

The U.S. Highway 41A water line project, which consists of approximately 15,300 L.F. of 20-inch water line to increase flow and pressure at the Interstate 24 interchange, in the amount of \$1,659,958, is in service and the project is closed out.

Design is underway for sewer extension to Farm Credit Services and to accommodate future growth.

#### **Humboldt, Tennessee**

An evaluation of the Wastewater Treatment Plant and Rate Study have been submitted and are under review by Humboldt Utilities.

The 2015 CDBG Project for the Lagoon Aeration System and Sewer Rehabilitation project is ongoing. The Contractor, SDT Contractors, has completed the point repairs and is working on installing the new aeration system with a completion date of December 2016. This project cost is \$503,724.50.

Humboldt Utilities was awarded a Site Development Grant for a water-line to the Industrial Park.

### Jackson Energy Authority (JEA) Jackson, Tennessee

Bids were opened for SRF funded improvements at the Miller Avenue Wastewater Treatment Plant on July 25-bids are under review.

A \$13.3M Disaster Community Development Block Grant was awarded for five separate projects including Miller Avenue WWTP work, sewer line replacement and rehabilitation, sewage pumping station renovation, and dual South Fork Forked Deer River utility crossings.

### Lewisburg, Tennessee

The Cornersville WWTP Sludge Holding Tank with a bid of \$119,000 is complete and closed out.

Plans and specifications for the State Route 50/431 Utility Relocation have been submitted to TDOT. The project has been postponed until December 2016.

Design of methanol and coagulant feed and storage facilities to enhance nutrient removal is complete and has been submitted to SRF.

Plans and specifications for the Snell Branch Sewage Pumping Station are complete and have been submitted to SRF.

A report for inclusion in a 2016 CDBG Sewer Rehab project was submitted to ECD and announcements are expected Fall 2016.

Plans and specifications for backwash and water supply improvements to the Water Treatment Plant are complete and submitted to the State and Owner.

### Livingston, Tennessee

A WWTP Nutrient Optimization Plan was submitted to TDEC, late summer 2015, which resulted in a revised NPDES Permit. Further monitoring has been performed to confirm optimized plant operation. A draft instream monitoring program and bio assessment program that will have to be implemented August 1, 2016 to August 1, 2017 to comply with NPDES Permit requirements is being completed. A nutrient optimization total nitrogen and total phosphorous NPDES Permit effluent limitation proposal is currently in process and will be submitted August 2016.

J&M Grading Division, LLC was the low bidder for the TDOT SR 52 Utility Relocation project. Contractor is currently working intermittently.

A report for the Monroe Booster Pumping Station Upgrade has been submitted to the Owner for review.

A Drought Management Plan has been completed and approved by the State pending City adoption.

Bids are scheduled to be opened Tuesday, August 30, for a project providing for the clean out of Polishing Pond No.2 at the Wastewater Treatment Plant.



J. R. Wauford & Company, Consulting Engineers, Inc.

### Madisonville, Kentucky

Design is complete for approximately 3,500 L.F. of sanitary sewer line replacement in the Madison Square area and has been submitted to the Owner for submission to KDOW.

We have submitted a water model to assist Madisonville in determining the efficacy of proposed system improvements to the north high pressure zone.

### Maryville, Tennessee

Water Quality Modeling work is underway to determine the impacts of a reconfigured effluent discharge concept. The intensive field sampling is complete and calibrated model was accepted by TDEC. Currently, scenarios are being prepared for permitting negotiations.

## Ohio County Water District Ohio County, Kentucky

Plans and specifications are complete and submitted to the Owner for 21,000 L.F. of 3-inch and 4-inch water line on Baizetown and Cave Ridge Roads.

Horsley Construction was the low bidder for Phase I Water Improvements, which include 15,876 L.F. of 16-inch North Transmission Line, in the amount of \$965,089. Construction is expected to be complete in May 2017.

A Beneficial Reuse of Special Waste Permit Application was submitted to KDOW on behalf of the Owner and specifications are complete and submitted related to the cleanout of the Water Treatment Plant solids lagoon.

## Paducah McCracken Joint Sewer Agency (JSA) Paducah, Kentucky

Construction of the Cook Street Sewer Basin Storage Facilities is complete and closed out.

A final report for the Harrison Street CSO Elimination has been submitted to the Owner.

Lastly, a study of the current anaerobic digestion process at the WWTP is underway.

#### Pulaski, Tennessee

Construction on the Johnson Controls Pumping Station and Sludge Pump Replacement project has begun with the Contractor having completed demolition and installing pipe. Richland, LLC is the Contractor on the \$233,000 project with a completion date of September 2016

A report for a 2016 CDBG Raw Water Intake Improvements project was submitted to ECD and announcements are expected Fall 2016. Technical assistance with the pretreatment program is ongoing.

### Ripley, Tennessee

The Local Limits were re-evaluated and submitted to the State for approval.



### Savannah, Tennessee

Phase I of the TDOT State Route 128 road widening is under construction. This project includes relocation of water, sewer, and natural gas utilities. Barsto Construction is the Contractor and the scheduled completion date is September 2016.

Phase II of the TDOT State Route 128 road widening utility relocation plans have been submitted to TDOT for a scheduled letting of December 2016.

A Drought Management Plan has been completed and approved by the State pending City adoption.

### Scotts Hill, Tennessee

A Community Development Block Grant for water plant improvements was awarded to Quinn Construction in the amount of \$271,740. The project has a completion date of November 9, 2016.

### Shelbyville Power, Water & Sewerage System (PW&SS), Shelbyville, Tennessee

Revised permits have been submitted to permitted Industrial Users for their review.

The main interceptor sewer rehabilitation project is complete and closed out.

#### Smithville, Tennessee

W&O Construction was the low bidder for the renovation of the 2.16 MGD SBR Wastewater Treatment Plant, in the amount of \$2,794,000. Award approval from ECD is pending. A 365 day construction timeline is expected.

Local Limits have been adopted by the Owner and submitted to the State.

The \$227,116 Main Street Gravity Sewer Replacement Project is ongoing with sewers and manholes installed and in service. Paving remains to be completed.

The Drought Management Plan was approved by the State.

# Trenton Light and Water Trenton, Tennessee

The Capacity Assessment Plan and Engineering Report for the WWTP have been completed and submitted to TDEC.

A pre-construction meeting for the 2015 Community Development Block Grant, that will include improvements at the WWTP, was held July 22. Quinn Construction is the Contractor on the project with a low bid of \$499,000.

The design of a new I.6 MGD Sequencing Batch Reactor Wastewater Treatment Plant is in process.

NPDES Permit Renewal Application is complete and has been submitted.

#### **Union City, Tennessee**

Utility line relocation plans for the I-69, Phase II & III as well as State Route 5 have been completed and are awaiting TDOT's letting. SDT Contractors submitted the low bid for the project to replace an 8-inch waterline on Martin Luther King Drive in the amount of \$61,689. The project has a completion date of August 24, 2016. Design of the State Route 21 Utility Relocation project is nearing completion.