

A Quarterly  
Publication of:

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# THE CLARIFIER

Issue No. 158

Fall 2014

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## Company News

We are pleased to welcome Scott Carroll, P.E. to our firm as the new Manager of the Maryville, Tennessee office. Scott is a graduate of the University of Tennessee and has approximately 10 years experience in the environmental engineering field. Welcome aboard Scott!

## Conferences



The annual meeting of the TENNESSEE MUNICIPAL LEAGUE (TML) was held June 21-24, 2014 at the Chattanooga Convention Center. We enjoyed visiting with our clients and friends at the Ice Cream Parlor.

At this year's TML Conference Award Luncheon, J. R. Wauford & Company was recognized for 29 years of partnership and commitment in supporting TML's endeavors. Pictured left is J. Roy Wauford, Jr., P.E., accepting the recognition plaque from TML Staff.

**For more  
information, please  
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The annual WATER PROFESSIONALS CONFERENCE (the joint meeting of the KY-TN AWWA and WEA) was also held at the Chattanooga Convention Center on July 20-23, 2014. In appreciation of his many years of service, J. Roy Wauford, Jr., P.E. was given the S. Leary Jones Award by the Kentucky-Tennessee Water Environment Association (KTWEA). This award is named for S. Leary Jones, one of the founding fathers of the KTWEA and a former director of the TDEC Division of Water Pollution Control. This award is the highest award that a member of the KTWEA can receive and means that the recipient has been elected to the Kentucky-Tennessee Wastewater Hall of Fame. Way to go Roy!



Pictured above Roy Wauford receives the S. Leary Jones Award from Bob O'Dette.

## Project Updates

### Adamsville, Tennessee

Adamsville is currently in the process of adopting their SUO & ERP. These revisions include the repealing of Chapter 1200-04-14 Pretreatment Requirements and adopting the New Rules Chapter 0400-40-14 Pretreatment Requirements.

### Arlington, Tennessee

The design of the Walker Street gravity sewer extension is complete and has been submitted to the Owner.

### Cleveland Utilities Cleveland, Tennessee

Local limits calculations for Industrial Pretreatment were approved by the State and Cleveland is in the process of adopting these calculations.

A study was completed for alternative disinfection strategies at the Cleveland Wastewater Treatment Plant and submitted to the Owner. Lastly, we completed a Facility Plan Amendment related to installation of automatic read water meters and have submitted it to the Owner and TDEC.

### Columbia, Tennessee

We continue to represent Columbia related to an Administrative Order of Consent related to an EPA Section 308 Inspection.

### Dayton, Tennessee

Construction on the 6.0 MGD membrane water treatment plant is progressing with work being completed on the laboratory building plumbing, wiring, and HVAC. The Pall membrane units have arrived, been installed, and are being wired and plumbed at this time. In addition, the High Service Pump Building roof has been poured. The Chemical Feed Building walls are also in place. This \$10,251,444 project is scheduled for completion in December of 2014.



**Pictured above in the background is High Service Pump Building and foreground is Clearwell Slab Water Treatment Plant – Dayton, Tennessee**

Construction for the 200,000 gallon elevated water storage tank funded in part by a CDBG has begun and the footings are complete. Steel erection is scheduled to begin September 24, 2014. The \$495,000 project was awarded to Caldwell Tanks and has a completion date of December 15, 2014.

### Dayton, Tennessee (Cont'd)

The construction of a new 16-inch water transmission line from the Water Treatment Plant to Dayton's main 2.0 MG Water Storage Tank is complete and closed out.

### Fentress County Utility District Fentress County, Tennessee

Design plans for the Highway 127/62 utility relocation were submitted in June 2013 and have an unofficial let date of year 2014. 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 installation of additional Emergency Generators, funded by special Disaster Recovery CDBG funds, was awarded to Curtis Electric. A pre-construction conference was held on August 26, 2014.

The Church Street Water line, funded by a Delta Regional Authority Grant, is in service and completed.

An automated water meter reading project was recently awarded to SDT Contractors with the low bid of \$576,417. This project is being funded by a SRF loan.

Halls is currently in the process of adopting their SUO and ERP.

### Henderson Water Utility Henderson, Kentucky

The \$10,188,408 North Wastewater Treatment Plant Expansion will expand the capacity from 15.0 MGD to 25.5 MGD and is scheduled to be completed in June 2015. Currently, the UV Structure slab and walls are placed. In addition, the headworks slab and last of lower walls were placed in August. The Clarifier column base has been placed and installation of the base slab reinforcing steel is in progress. The Central SPS slab is also placed.

**Pictured right is the UV Structure North Wastewater Treatment Plant Henderson, Kentucky**



**Pictured left is the Central SPS Slab North Wastewater Treatment Plant Henderson, Kentucky**

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

The analysis of the Myrene Drive SPS is complete and the draft report has been submitted to the Owner.

Preliminary engineering for the Airport Water Line and Sewage Pumping Station is in process and will focus on providing utilities to a prospective industrial user proposing to locate adjacent to the Henderson Airport. Hydraulic calculations for the relocation of the South Water Booster Station have been completed and results have been provided to the Owner.

The Janalee Drive SPS Renovation has begun with the Contractor currently painting existing piping and structures. The flowmeter pit slab and walls have been placed. Completion date is scheduled for November 28, 2014.



Pictured above is the Janalee Drive SPS Flow Meter Pit  
Henderson, Kentucky

All piping has been laid for the 2,393 LF of 24" Janalee SPS Force Main and testing is in progress. The Contractor is currently working on items added by a change order. Completion is expected to be September 2014.

An evaluation of the South Water Treatment Plant has been submitted to the Owner for review. The proposed improvements include a 4.0 MGD membrane type Water Treatment Plant.

### Hohenwald, Tennessee

A CDBG for the Sewer Rehabilitation project was recently awarded in the amount of \$525,000.

The Appalachian Regional Commission recently requested a full proposal for a joint project initiated by Lewis County and Hohenwald that extends a 6-inch water line for approximately 5 miles. In addition to ARC funding, a \$260,000 SRF Drinking Water Loan will be requested including 25% Principal Forgiveness.

A preliminary exhibit, cost estimate, and rationale for installation of low pressure sewers along Hwy. 412 East were submitted to the Owner.

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

The pre-construction conference for the Phase II Priority No. 2 Sewer Rehabilitation Project was held April 17, 2014: work began in May 2014 and the scheduled completion date is May 12, 2015.

Design plans for Sewer Rehabilitation Priority No. 3 are 80 percent complete and have been reviewed by the Owner.

Final Plans, specifications, and easements for the U.S. Highway 41A water line project, which consists of approximately 15,300 L.F. of 16-inch water line to increase flow and pressure at the Interstate 24

### HWEA, (Cont'd)

interchange, have been submitted to the Owner. Easements required for that proposed work are currently being obtained.

The draft reports for the 201 Facility Plan for the Hammond Wood Wastewater Treatment Plant have been sent to the Owner.

The 50% complete draft report for the Water Master Plan was submitted to the Owner.

### Humboldt, Tennessee

Construction work associated with the 2010 Disaster CDBG related to the May 2010 flood is complete.

The 2013 CDBG for improvements at the Wastewater Treatment Plant as well as sewer system rehabilitation was awarded to SDT Contractors in the amount of \$437,043 and has a scheduled completion date of January 22, 2015.

### Jackson Energy Authority (JEA)

Construction is complete on approximately 6,500 L.F. of 54-inch gravity sewer and approximately 5,000 L.F. of 48-inch gravity sewer with the exception of final cleanup. The purpose of this project is to replace the existing 50 year old concrete sewer, which has experienced several failures. The system is in service and the Contractor is currently working on the cleanup and site restoration. The project is expected to be complete by October 1, 2014.

### Lewisburg, Tennessee

We are beginning work on a preliminary engineering study of the Lewisburg Water Treatment Plant.

Design and drafting for the State Route 50/431 Utility Relocation is underway.

### Livingston, Tennessee

An evaluation of solutions to effluent violations related to solids in the effluent flow equalization basin at the Wastewater Treatment Plant was provided to the Owner.

A Pre-Construction Conference for Water Production Upgrades and Electrical Renovations was held on August 14, 2014. Commence work date is scheduled for September 8, 2014 with a completion date scheduled for September 8, 2015. J. Cumby Construction is the Contractor on this project.

The 1.0 MG South Tank renovation project has begun and the exterior has been blasted and primed. Work on the Fredonia Tank will begin soon. Work is being completed by Huffman Tank & Tower and expected completion date is December 6, 2014.



### Maryville, Tennessee

The final NPDES permit for the Regional WWTP was issued May 1, 2014.

### Ohio County Water District Ohio County, Kentucky

A report describing the improvements necessary for the North Water Transmission Line was prepared and submitted to the Client. The first phase of this project consists of approximately 18,000 L.F. of 16-inch water line which will allow a 750 gpm water booster station to be taken out of service.

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

The Wallace Park Sewer Separation project is under construction with a completion date of February 2015. The Contractor has inspected 70 of 140 homes and begun home separation work. Storm line "B" has been installed.

The engineering report describing improvements to the Cook Street Sewer basin was submitted to the Owner.

### Pulaski, Tennessee

Construction for a new 16.0 MGD Main SPS is ongoing with the electrical room roof placed, the outside ATS Structure complete and transformer placed. The new facility, which is scheduled to be placed in operation by October 1, will replace the existing 60 year old SPS. W&O Construction, of Livingston, was the low bidder at \$1,774,000. The project is funded in part by \$500,000 in CDBG funds and has a completion date of October 7, 2014.

Construction on the Sewer System Rehabilitation project, performed by LTS Construction, LLC, is 96 percent complete. Work outlined in original contract is complete with additions being made at this time.

Local limits have been approved by TDEC for the client's Industrial Pretreatment Program.



**Construction of the 16.0 MGD Main SPS  
Pulaski, Tennessee**

### Rockford Manufacturing

We continue to assist the client with the preparation of Monthly Discharge Monitoring Reports (DMR's).

### Ripley, Tennessee

In response to the Pretreatment Audit Inspection, the local limits and protection criteria have been submitted for TDEC approval.

The Industrial User Permits will be modified upon TDEC approval to include the revised local limits and to provide clarification in specific language of the permits.

### Savannah, Tennessee

Savannah is in the process of adopting their SUO and ERP. Plans and specifications for the State Route 128 Utility Relocation are 95 percent complete. The TDOT bid date has not been set. A revision to the ERP for the water system has been completed and submitted to the Owner.

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

We have assisted the client with EPA Emergency Response Procedures, a Risk Management Plan and Southern Energy's request for mass limits.

### Smithville, Tennessee

Design is underway for the renovation of the 2.16 MGD SBR Wastewater Treatment Plant.

Hwy 70 West Low Pressure Sewer project is scheduled for September 25, 2014.

The bid opening for the Water Meter Replacement project is scheduled for October 28, 2014.

### Sullivan County, Tennessee

A bid opening for the Seneker Lane Water Line Extension, funded by a 2013 CDBG, was held on August 28, 2014 with the apparent low bidder being Merkel Brothers Construction, Inc. at \$262,865. The Pre-Construction Conference will be scheduled upon ECD approval.

### Union City, Tennessee

Union City is in the process of adopting their SUO and ERP. 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. The Industrial Park Elevated Tank and Booster Station improvements are nearing completion with the tank erected and both interior and exterior painting complete. Construction is expected to be complete September 2014.

The 2013 Sewer Rehabilitation Project by pipe bursting was awarded to IPR Southeast, LLC in the amount of \$965,122. Construction is ongoing with pipe bursting complete. The Contractor expects to be complete September 2014.

Bids were opened for the Lake Road Water Line Project on June 11, 2014 with the low bidder being Bobby Luttrell & Sons, LLC at \$347,301. Construction began on August 18, 2014 and the expected completion date is November 16, 2014.

A new clearwell for the Water Treatment Plant has been surveyed and design is complete and has been sent to the State for review.

### Woodland Mills, Tennessee

The SPS for Woodland Mills and Williams Country Sausage was awarded to SDT Contractors in the amount of \$306,000. The scheduled completion date is February 2015.