

A Quarterly
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THE CLARIFIER

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Company News

We are pleased to announce that we have added four new clients to our list of valuable clients. For the City of Crossville, Tennessee, we will be designing new water lines to replace existing lines in the Lantana Estates, Fairland Acres, and Holiday Drive areas. For the City of Scotts Hill, Tennessee, we will be renovating the gravity filters at the Bath Springs Water Treatment Plant. We are assisting the Town of Chapel Hill, Tennessee in the application of a Community Development Block Grant related to sewer system improvements and the preparation of a Sewer System Master Plan. The Town of Piperton, Tennessee has also chosen JRWCO to perform a Sewer System Master Plan Study.

Project Updates

Adamsville, Tennessee

Adamsville has completed the streamlining requirements and is in the process of revising the Industrial User Permits.

Cleveland Utilities Cleveland, Tennessee

Cleveland has adopted the State approved local limit calculations for Industrial Pretreatment. Bids were received for contract 15-01-Installation of Automatic Read Water Meter System on February 19, 2015, with Baird Contracting Co., Inc. the low bidder at \$378,300.00.

Columbia, Tennessee

The Capacity Assessment Plan and Sewer System Evaluation Survey Work Plan are complete and approved by EPA as part of the Administrative Order of Consent. The Sanitary Sewer Overflow Response Plan is complete as well as draft copies of the Fats, Oils and Grease Program, continuing Sewer System Assessment Program, and Gravity Line Preventative Maintenance Program.

Dayton, Tennessee

Construction for the 200,000 gallon elevated water storage tank, funded in part by a CDBG, is complete. A CDBG application was submitted for Sewer System Rehabilitation for the 2015 funding cycle.

**For more
information, please
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Dayton, Tennessee (Cont'd)

Construction on the 6.0 MGD Membrane Water Treatment Plant is progressing. The plant began producing potable water under SCADA control in February and the contractor is currently working on distribution system SCADA and demolition of the old plant. The scheduled completion date was January 2015 but due to inclement weather, the date has been extended.

Bids for the Hwy 27 North White Oak Road sewer lines were received on March 26, 2015 with the low bidder Norris Brothers Excavating, LLC at \$750,785.20.

We prepared an exhibit and cost estimate of proposed water system improvements in the Pitts Gap area which are proposed to be funded by a grant from the Abandoned Mine Lands Program.

**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.

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.

The Owner is in the process of acquiring additional temporary easement for a new 200,000 gallon elevated water storage tank at Clarkrange.

Halls, Tennessee

The installation of three Emergency Generators, funded by special Disaster Recovery CDBG funds, was awarded to Curtis Electric. Currently, all three generators have been set in place and start-up is complete.



Pictured left is one of three CDBG funded Generators Halls, Tennessee



An automated water meter reading project, funded by a SRF loan, was awarded to SDT Contractors and is completely installed and work on final electrical items is wrapping up.

Halls is currently in the process of adopting their SUO and ERP. We continue to assist Halls with the Pretreatment Program.

**Haywood County Utilities
Haywood, Tennessee**

Bids were received on November 11, 2014 for the Dancyville Standpipe Repair and Repainting project with Preferred Sandblasting and Painting, the low bidder, at \$114,000. Commence work date was scheduled for February 25, 2015 and the completion date is scheduled for August 27, 2015.

**Henderson Water Utility
Henderson, Kentucky**

The \$10,188,408 North Wastewater Treatment Plant Expansion Project will expand the peak flow capacity from 15.0 MGD to 25.5 MGD. The new 160' diameter clarifier structure and headworks structure are approximately 75% complete and work is beginning on the new electrical building and diversion structures.



Pictured above is construction of the 160 ft. diameter Clarifier North Wastewater Treatment Plant Henderson, Kentucky



Pictured left is the Center Channel of Headworks North Wastewater Treatment Plant Henderson, Kentucky



The Janalee Drive SPS Renovation is substantially complete with outside concrete and painting work to be completed as weather becomes warmer. The project involves the complete renovation of the Janalee Drive sewage pumping station, which was constructed in the 1950's, including replacement of the extended shaft style pumps with three variable speed 150 HP Flygt dry pit submersible pumps, replacement of all valves and discharge piping, installation of a new 24-inch PVC force main, construction of a new flowmeter pit, complete replacement of the HVAC system and new electrical service.

Henderson Water Utility Henderson, Kentucky (Cont'd)



Pictured left is the installation of three 150 HP Flygt dry pit submersible pumps
**Janalee Drive Sewage Pumping Station
Henderson, Kentucky**

Bids for the Sludge Storage Building at the South Wastewater Treatment Plant were received and Deig Bros. was the low bidder at \$90,747. A pre-construction meeting will be held in April 2015.

Proposals were received in order to select a manufacturer for a 4.0 MGD Membrane Filtration System to be installed at the South Water Treatment Plant. Three proposals are being evaluated and it is anticipated that a manufacturer will be selected in April 2015. This project, which is currently under design, includes construction of a new flash mix structure, solids contact clarifier, membrane filtration building, 24-inch raw waterline, and 24-inch effluent force main for the South Wastewater Treatment Plant.

Preparation of Plans and Specifications is underway for renovation and miscellaneous repairs to a steel clearwell at the South Water Treatment Plant. It is anticipated that this project will be advertised for bids in May 2015.

Specifications were completed and submitted to the KDOW for renovation of the 500,000 gallon Frontier Water Storage Tank and it is anticipated that this project will be advertised for bids in April 2015.

Lastly, final changes are underway to the Atkinson Park Sewer Study which includes the evaluation of several sewage pumping stations including recommendations for long term and short term improvements to the Henderson Water Utility's wastewater collection system.

Hohenwald, Tennessee

A CDBG for the Sewer Rehabilitation project was recently awarded in the amount of \$525,000 and Plans and Specifications for the project have been submitted to TDEC and SCTDD for review. This project includes replacement of 5,000 L.F. of clay and concrete gravity sewer by pipe bursting methods.

The Appalachian Regional Commission awarded funding for a joint project initiated by Lewis County and Hohenwald that extends a 6-inch water line approximately 28,000 L.F. In addition to ARC funding, a \$260,000 SRF Drinking Water Loan was requested including 25% Principal Forgiveness. Plans and Specifications are complete and ready to be submitted to appropriate agencies after the environmental review is complete.

Hohenwald, Tennessee (Cont'd)

Draft design of the Highway 412 East Street lighting project is complete and submitted to TDOT for draft approval. This project consists of approximately one mile of street lighting along Highway 412 east of Hohenwald.

Hopkinsville Water Environment Authority (HWEA), Hopkinsville, Kentucky

Construction on Phase II Priority No. 2 Sewer Rehabilitation Project continues with 13 of 14 tasks complete. The scheduled completion date is May 12, 2015.

Survey work is scheduled for additional tasks related to the Sewer Rehabilitation Priority No. 3 and new Priority No. 4.

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

The Regional Facility Plan for the Hammond Wood Wastewater Treatment Plant was submitted to the KDOW and a Public Hearing is scheduled for April 9.

The 95% draft of the Water Master Plan has been submitted to the Owner for review.

Humboldt, Tennessee

The 2013 CDBG project, which included improvements at the Wastewater Treatment Plant as well as sewer connection system rehabilitation, was completed in sufficient time to make application for the 2015 CDBG round.

An application for a 2015 CDBG project was submitted. Funding is expected to be announced November 2015.

An application for a TDEC Energy Grant has been submitted for the replacement of two high service pumps at the Water Treatment Plant.

Jackson Energy Authority (JEA)

A preliminary engineering report is underway related to improvements to the Miller Avenue Wastewater Treatment Plant and collection system rehabilitation as part of an application for an Economic Development Administration Grant.

A study at the Miller Avenue Wastewater Treatment Plant is underway to evaluate the headworks. The study will look at the screening and grit removal systems as well as mixing in the aeration basins.

Lewisburg, Tennessee

Work is 50% complete on a preliminary engineering study of the Lewisburg Water Treatment Plant related to necessary improvements for continued use to meet future demands and to provide additional improvements related to reduction of disinfection byproducts.

Plans and Specifications for the State Route 50/431 Utility Relocation have been submitted to TDOT for review.

A 2015 CDBG application was submitted for a Sewer System Rehabilitation of Basin No. 5.

Livingston, Tennessee

Work for the Water Production Upgrades and Electrical Renovations project is progressing. The water line is installed and in service and

Livingston, Tennessee (Cont'd)

electrical work continues. The completion date is scheduled for September 8, 2015. J. Cumby Construction is the Contractor on this project.

A 2015 CDBG application was submitted for a Sewer System Rehabilitation project.

Bids for the new 700 HP Raw Water Pump were received with Fairbanks Morse being the low bidder at \$229,661; Southern Sales will provide installation and starter switchout at \$118,559.85. The pump is scheduled for delivery in May.

Madisonville, Kentucky

The field study for the Madison Square Feasibility Study is complete and has been submitted to the Owner.

Maryville, Tennessee

Water Quality Modeling work is underway to determine the impacts of a reconfigured effluent discharge concept.

Ohio County Water District Ohio County, Kentucky

Survey work for the North Transmission Line is complete and design is underway. 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 has been under construction with the contractor having 5 of 11 lines laid and all but one home has been investigated.

Bids for the Cook Street Sewer Basin Storage Facilities will be received on April 16, 2015.

Pulaski, Tennessee

Industrial User Permits have been revised incorporating Sewer Use Ordinance Requirements.

A CDBG application was submitted for the 2015 funding cycle and will focus on Raw Water Intake Improvements.

Rockford Manufacturing

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

Ripley, Tennessee

Ripley is currently in the process of adopting the State approved local limits.

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 has revised the Industrial User Permits incorporating the new Sewer Use Ordinance requirements.

Plans and Specifications for the State Route 128 Utility Relocation have been submitted to TDOT for a May letting.

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

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

A CDBG application was submitted for the 2015 cycle to focus on Sewer System Rehabilitation.

Design of the Midland Road/North Main Street Sewer Project is nearly complete consisting of approximately 2,800 L.F. of new 8 and 10-inch gravity sewer.

Smithville, Tennessee

Design continues for the renovation of the 2.16 MGD SBR Wastewater Treatment Plant with final wrap-up underway.

Construction of the Hwy 70 West Low Pressure Sewer project is complete. The contractor was Flo-Line Contracting, LLC., with a low bid of \$141,600.50.

Work for the Water Meter Replacement project will begin April 2015.

Sullivan County, Tennessee

Construction on the Seneker Lane Water Line Extension, funded by a 2013 CDBG, is nearly complete. The low bidder was Merkel Brothers Construction, Inc. at \$262,865. Currently, all piping has been installed and tested; clean up and paving remains.

Union City, Tennessee

Union City has revised the Industrial User Permits to include the Sewer Use Ordinance Requirements.

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.

J. Cumby Construction was the low bidder at \$697,900 for the new clearwell for the Water Treatment Plant and work commenced in March 2015. A completion date is scheduled for September 2015.

BAM 2 is the Contractor for the WWTP Digester Renovation project. Commence work date was January 19, 2015. Contractor currently waiting on equipment to arrive before actual work can begin, which is expected to be April 2015. A completion date is scheduled for July 18, 2015.

Design has begun on a water and sewer extension on Reelfoot Avenue to serve commercial growth.

Woodland Mills, Tennessee

The renovation of two sewage pumping stations for Woodland Mills and for Williams Sausage, funded by an EDA grant, was awarded to SDT Contractors. The pumping stations are installed and startup is complete. The contractor is working on punch list items.

