

The sights and sounds of the PCWASA sewer system

First it was the work of RedZone Robotics to provide sights of the current condition of small diameter pipes and manholes within the Peachtree City Water and Sewerage Authority (PCWASA) system. Now a contractor will provide the sounds to assess what other work needs to be done on some of the utility's remaining underground assets.

The PCWASA Board of Directors recently approved a proposal from Pure Technologies to provide a conditional assessment of two critical force mains – the large diameter pressurized conveyance pipes – within the public sewer system.

The first phase of the project will entail an examination of approximately 16,000 linear feet of 18-inch diameter force main from Lift Station 2. The second phase will involve a review of the condition of 13,000 linear feet of 12-inch force main from Lift



Contractors from Pure Technologies will be using their SmartBall® PWA (pictured) method for assessing the condition of two major force mains within the PCWASA system. Data gathered from this technology will then provide insights on what rehabilitation is needed to these sewer lines, which are critical to the utility's operations.

Station 3 to Lift Station 2. Both of these major sewer lines, which have been in use for more than 16 years, are considered to be

critical to system operations.

Pure Technologies will use their patented SmartBall® Pipe Wall Assessment (PWA) method to assess the condition of these two force mains. This internal, free-swimming acoustic air pocket and leak detection tool is ideal for use on large diameter pipes. Not to mention, this technology is a low-cost, easily executed means of gathering information on the condition of these portions of the PCWASA infrastructure.

The total cost of the project led by Pure Technologies is not to exceed \$200,000. Once data is gathered and analyzed by the contractor, the Authority then will be able to prioritize necessary rehab and upgrades for these aging force mains. This project marks the first time the SmartBall PWA technology has been used by a water or sewer utility in the state of Georgia.

Wastewater Treatment Plants receive upgrades to improve operational efficiency

While pursuing upgrades and expansion to its collection and conveyance system, the Peachtree City Water and Sewerage Authority (PCWASA) hasn't overlooked necessary repairs or improvements needed at its two wastewater treatment plants.

Earlier this year, the Authority completed approximately \$40,000 in repairs to the electrical control wiring at the Rockaway Water Reclamation Facility. Rockaway is a sequence batch reactor (SBR) plant with a permit to discharge all of its treated wastewater (4 million gallons per day capacity) into Line Creek. However, wastewater from Rockaway also is used for irrigation of the recreational fields located near the plant on Highway 74.

In addition, the Authority is pursuing extensive improvements to the south clarifiers at the Larry B. Turner/Line Creek Water Reclamation Facility. Contractors from Willow Construction were awarded the low bid of \$304,650 to upgrade these 20-year-old clarifiers and other portions of the plant.

Treated wastewater from the Line Creek/Larry B. Turner Plant is discharged either into Line Creek or Flat Creek, though up to 1.1 million gallons can be used for irrigation at Planterra Ridge Golf Course.

PCWASA upgrades and expands sewer lines within Westpark – Pebblestump

The Peachtree City Water and Sewerage Authority (PCWASA) recently completed rehabilitation of service lines, coupled with a small sewer line extension, within the Westpark area of its system.

Contractors from RDJE, Inc. were authorized by the Authority to rehabilitate nearly 3,000 linear feet of existing sewer lines via pipe bursting technology, while installing approximately 700 linear feet of new pipe, for customers within the Pebblestump neighborhood. The contract awarded by the PCWASA Board of Directors to RDJE, Inc. was the result of the contractor's low bid of just more than \$330,000.

This infrastructure had been labeled as a high priority hot spot in need of repairs, as a result of data gathered by RedZone Robotics over a two-year period of conditional assessment of the state of all small-



Crews from RDJE, Inc. install a new sewer line to serve customers in the Pebblestump neighborhood.

diameter pipes and manholes within the PCWASA system.

"We've received nearly a dozen calls from residents in this area over the course of the project, and they all have been positive," says Stephen Hogan, PCWASA General Manager. "They seem to be pleased with the system upgrades and enhanced service they are receiving."

In addition to facilitating the project to rehab and extend these sewer lines within Westpark, the RedZone data also located a total of 19,700 linear feet of sewer lines throughout the system in need of root control. As the Authority was completing the rehab at Pebblestump, contractors also were addressing the identified instances of sewer line obstruction by roots, to restore the integrity of all sewer lines previously impacted by root intrusion.



Jason Lovin, Foreman with RDJE, Inc., monitors the pipe bursting technology used to rehab nearly 3,000 linear feet of sewer lines within the Westpark area of the sewer system.



Steer clear of the F.O.G.!

Please do not put Fats, Oils, or Grease (F.O.G.) down your sink!

We have free, reusable can covers to dispose of F.O.G. properly.

When it comes to F.O.G., cool it, can it, and trash it!



PCWASA Division Manager tabbed to lead the state's water professionals

The Division Manager of Technical Services at Peachtree City Water and Sewerage Authority (PCWASA) has been selected by her peers to lead the Georgia Section of the American Water Works Association (GAWWA), one of the highest ranking volunteer positions within the state's water and wastewater industry.

As Chair of GAWWA, Keisha Lisbon Thorpe, P.E., will be instrumental in leading this group of professionals dedicated to providing resources for knowledge, information, and advocacy to improve the quality and supply of water in Georgia.

GAWWA advances public health, safety and welfare by uniting the efforts of the entire water community. GAWWA works cooperatively with the Georgia Association of Water Professionals

(GAWP) to achieve these goals and strengthen public confidence in drinking water.

Lisbon Thorpe has been active in GAWWA for approximately 15 years, in addition to her membership in GAWP. She has chaired the joint GAWWA-GAWP state Model Water Tower Competition (see related story below) since its inception three years ago, in addition to serving as past Chair of the GAWWA Diversity Committee. Lisbon Thorpe will celebrate her 10th anniversary with PCWASA this October.

"Keisha personifies the talent, expertise, and professionalism of our staff at the Authority, and she is a significant asset to our community as well as the state," says Stephen Hogan, PCWASA General Manager.

For more info: www.pcwasa.org.



Keisha Lisbon Thorpe (front/left), PCWASA Division Manager of Technical Services, is selected to Chair the Georgia Section of the American Water Works Association (GAWWA) this year.

PCWASA overseeing sewer system for Camp Southern Ground

A development noted as "the passion project of Grammy Award winning artist Zac Brown" has sought assistance from the Peachtree City Water and Sewerage Authority (PCWASA) in order to come to fruition.

Construction is underway on Camp Southern Ground in Fayette County, including its sewer system, thanks to oversight and professional expertise provided by the Peachtree City Water and Sewerage Authority (PCWASA).

With sewer services not available through Fayette County Government, Camp Southern Ground officials turned to PCWASA, not only to help oversee construction of the infrastructure, but to provide the

expertise of a Class III Wastewater Plant Operator and Permit for sewer treatment between 10,000 and 150,000 gallons per day to accommodate the anticipated capacity of the facility.

To meet such regulatory requirements, Camp Southern Ground must have a trustee to accept the responsibility that the facility will be operated properly. As a result, Camp Southern Ground and PCWASA are making preparations to enter into a Trust Indentured Agreement, which will outline the roles each party will play to bring the facility online.

Camp Southern Ground is a 501 (c) (3) non-profit organization that occupies 400 acres of farm land within unincorporated Fayette County.

Georgia Model Water Tower Competition seeks to peak student interest in the industry

The Georgia Model Water Tower Competition continues to grow as a water/sewer industry educational event, in part because of the efforts of water professionals from the Peachtree City Water and Sewerage Authority (PCWASA).

Keisha Lisbon Thorpe, PCWASA Division Manager of Technical Services, chairs the event organizing committee, after having been involved in this public outreach initiative since its inception. Lisbon Thorpe also is Chair of the Georgia Section of the American Water Works Association (GAWWA), which is organizing the event in cooperation with the Georgia Association of Water Professionals (GAWP). PCWASA General Manager Stephen Hogan volunteers during the Competition as a student advisor. Their efforts along with those of fellow water professionals have facilitated expanding interest in Model Water Towers among middle school students and their teachers.

The 2015 statewide event will feature schools participating at four regional locations. The PCWASA staff will be organizing the competition on Oct. 23rd at Woodland Middle School in Henry County. Other school systems serving as regional sites include Cobb-Marietta, DeKalb, and Griffin-Spalding County.

For more info: www.pcwasa.org.



Keisha Lisbon Thorpe (left), PCWASA Division Manager of Technical Services, chairs the Georgia Model Water Tower Competition committee, which organizes the annual event that challenges middle school students to build model water towers from household materials.

Support of Fayette 4-H continues through Sports Fundraiser

The Peachtree City Water and Sewerage Authority (PCWASA) has supported the efforts of Fayette 4-H Shooting Sports for years, providing a site for the group to practice competitive shooting within a safe, protected environment. As a result, talented local students have won awards and accolades for their shooting prowess at regional, national and even Olympic competitions and qualifiers through the years.

The partnership between PCWASA and the Fayette County 4-H Shotgun Club continued with a recent fundraiser held at the group's shooting range on the Authority's Miller Farm property. Following a range and equipment safety briefing, competitors and novices seized the opportunity to shoot sporting clays, as the event on August 29th also was ideal for hunters to practice their skills for the upcoming dove season.

Monies raised from the event will help underwrite the costs of participating in future sanctioned competitive shooting events by local students who are members of the Fayette County 4-H Shotgun Club. According to Denny Kuhr of the Fayette County 4-H Club, there are seven competitive events scheduled for the Shotgun Range at Miller Farm currently, including the fundraiser and those competitions sponsored by the Amateur Trapshooting Association (ATA).

For more information on Fayette County 4-H, check out their website at www.caes.uga.edu/extension/fayette/4h.



The Fayette County 4-H Shotgun Club hosted a fundraiser on August 29, at the shooting range on the Miller Farm property owned by the Peachtree City Water and Sewerage Authority. The Authority's partnership with Fayette County 4-H is an example of its efforts in public outreach to provide outdoor education and recreation locally.

PEACHTREE CITY
Water and Sewerage Authority

BOARD OF DIRECTORS/LEADERSHIP

Chairman
Bill Holland

Vice-Chairman
Phil Mahler

Secretary-Treasurer
John Dufresne, Jr.

Member
Paul Gagliano

Member
Wes Saunders

General Manager
Stephen Hogan

1127 Highway 74 South • Peachtree City, GA 30269
Phone: 770-487-7993 • Fax: 770-631-5380

www.pcwasa.org