

A bi-annual publication of the Georgia Rural Water Association

WATER

stewards

Winter/Spring 2010

Georgia's **Women in Water**



Carol Fullerton
Georgia House of Representatives,
District 151



Shirley Sherrod
State Director,
USDA/Rural Development



Marie Allen, Amberly Ferris and Marcie Seleb
Managers of three of middle Georgia's finest water systems



Heyward

INCORPORATED
ATLANTA



3590 HABERSHAM AT NORTHLAKE
BUILDING O
TUCKER, GA 30084
PHONE (770) 496-9808
FAX (770) 496-0644

Representing in Georgia

AIRMASTER AERATOR

Floating Aeration Systems

AQUIONICS

UV Disinfection Systems

AQUATURBO SYSTEMS, INC.

Surface Aerators & Mixers

BORD NA MONA

*PuraSAF, PuraM Bioreactor,
Monashell Odor Control*

BIO-NOMIC SERVICES, INC.

Mobile Dewatering Services

COLUMBIAN TECTANK

Tank Storage Solutions

COLDWELL WILCOX

Sluice & Slide Gates

CONTINENTAL BLOWERS

Multi-stage Blowers

CUSTOM CONVEYOR

*Material Handling Systems
Hoogendonk Step Screens &
Dewatering Systems*

DRESSER ROOTS

PD Blowers

GABRIEL NOVAC & ASSOCIATES

CSO & Grit Removal Equipment

JIM MYERS & SONS, INC.

*Flocculators, Wash Troughs,
Plate Settlers*

JWC ENVIRONMENTAL

*Muffin, Channel, and Auger Monster
Fine Screens, Band Screens
Drum Screens, Storm Screens
Screenings Washer Monster
Septage Receiving Station
Vortex Grit System*

MARCAB

Digester Gas Scrubbers

NEFCO, INC.

*Clarifier Density Current Baffle
FRP Launder Covers*

ON-LINE ENGINEERING

SS Wide Band Diffusers

OSTARA

Nutrient Recovery Process

PEPCON SYSTEMS, INC.

On-site Hypochlorite Generators

PERIFLO

Peristaltic Hose Pumps

PULSED HYDRAULICS INC.

Mixing Systems

PILLER-TSC BLOWER CORP.

Single Stage Blowers

PUTZMEISTER

Sludge Cake Pumps

SHARPE MIXERS

Vertical Flocculation & Flash Mixers

SIEMENS WATER TECHNOLOGIES

*DAVCO Field Erect Plants
Gravisand, Astrasand & 40X Disc Filters*

SIEMENS WATER TECHNOLOGIES

*ENVIREX Aeration Systems, Clarifiers,
CANNIBAL Solids Reduction System
Membrane Bioreactors (MBR)
Moving Bed Biological Reactors (MBBR)
DYSTOR Gas Holder Systems*

SIEMENS WATER TECHNOLOGIES

*GENERAL FILTER Water Filtration
Equipment*

SIEMENS WATER TECHNOLOGIES

JETTECH Jet Aeration & SBR Systems

SIEMENS WATER TECHNOLOGIES

MEMCOR Membrane Filtration Systems

SIEMENS WATER TECHNOLOGIES

RJ ENVIRONMENTAL Odor Control

SIEMENS WATER TECHNOLOGIES

*ENGINEERED PRODUCTS
Belt Presses, Belt Thickeners,
Plate & Frame Filter Presses
Sludge Dryers, Traveling Water Screens
Hydro-Clear Filter, WHM Lime Silos*

SMALLBERRY MANUFACTURING CO., INC.

Low Profile Cascade Aerators

JMAR TECHNOLOGIES, INC.

BIOSENTRY Contamination Warning System

WESTFALIA SEPERATOR

Thickening & Dewatering Centrifuges

It's pre-engineered. It's self-cleaning. It's The Optimum Pump Station. It's the Flygt difference.

For municipalities, developers and consulting engineers, the Flygt Optimum Pump Station™ is fast becoming a TOP choice. This pre-engineered fiberglass pump station provides users with many advantages.

It's self-cleaning, directing wastewater solids and debris to the Flygt N-Pump inlets for easy disposal. The smooth gel-coat interior inhibits grease and sludge build-up. The outside diameter's anti-flotation ring locks the station in place. An aluminum lid, with the Flygt Safe Hatch access cover, makes it impossible for workers to fall through the access door. And finally, a fully integrated control panel, with an intuitive user interface, ensures easy, reliable operation.

The TOP station provides a complete, cost-effective retrofit for older stations or an outstanding solution for new ones. Easy to install, it comes with a wide selection of options to fit any need.

The Flygt Optimum Pump Station.

For details, call Mr. Wayne Garner at 770-932-4320.

ITT Water & Wastewater
Flygt Products

90 Horizon Drive, Suwanee, GA 30024.

Or visit www.us.ittwww.com



Engineered for life



ITT





Before you think it can't be done, think QS/1®.

Why do so many counties, municipalities and special purpose districts prefer QS/1's Utility Billing? One reason is QS/1 tracks more account history than other software. Another is how QS/1 links meters to accounts so it's easier to track customer balances if they relocate. Plus, there's QS/1's ongoing research and development that brings customers new features such as online payments and document management. If you need a powerful single source solution that works as hard as you do, do what hundreds of local governments have done for more than 40 years. Think QS/1.



1-800-231-7776
www.qs1gov.com

WATER

A bi-annual publication of the
Georgia Rural Water Association

Water Stewards
is published for the

GEORGIA RURAL WATER ASSOCIATION

P.O. Box 383
Barnesville, GA 30204
Phone: 770.358.0221
Fax: 770.358.4379
E-mail: grwa1@grwa.org

Web site: www.georgiatraining.com

Published by



Naylor, LLC

5950 NW 1st Place
Gainesville, FL 32607
Phone: 800.369.6220
Fax: 352.331.3525

Web site: www.naylor.com

Publisher

Kathleen Gardner

Editor

Jon Pasierb

Project Manager

Drew Jasinski

Marketing

Holly Straut

Advertising Director

Debbi Brown

Advertising Sales

Lou Brandow, Al Clements,
Krys D'Antonio, Joe Donato, Kathy Getz,
Bill Mulligan, Norbert Musial,
Jason Ruppert, Rick Sauers,
Mark Tumarkin, Jamie Williams,
Jason Zawada

Layout and Design

Bill Kitson

Advertising Art

Christina O'Connor

©2010 Naylor, LLC. All rights reserved.
The contents of this publication may
not be reproduced by any means, in whole
or in part, without the prior written
consent of the publisher.

Published January 2010/GRW-B0110/9693



contents

7 Message from the President

Features

9
Faithful Servant

After 33 years in wastewater treatment, Robert Lovett still looks forward to working each day for his home city and for other communities on contract.

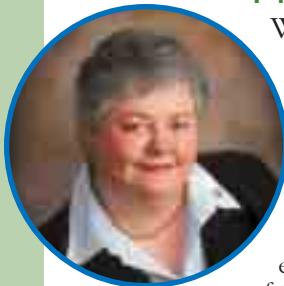


13
Member NEWS

Rita Wayco receives Rural Water Award.
Georgia loses a great man with the passing of Mr. Tom Wootten.

14
Women in Water

Women have come to the forefront in the water and wastewater industries, demonstrating a strong dedication to achieving success in their profession.



19
Welcome Aboard

Shirley Sherrod calls on her many years of valuable experience as she steps in as Georgia's new director of the Rural Development Agency.

20
A Good Time had by All

The Fall Training Conference in Helen provided a wonderful source of education, entertainment and an overall good time for all who attended.



23
Associate Member Spotlight

Carter & Sloope Inc. serves Georgia with a team of motivated individuals committed to offering progressive consulting engineering and management services.

24
GRWA 2010 Tech Conference
Jekyll Island will mark a passing and a new beginning.

Departments

25 Training Schedules & Registration

29 Advertisers Index

30 Advertisers.com

Why Pay More For Submersible Pumping Hassles?



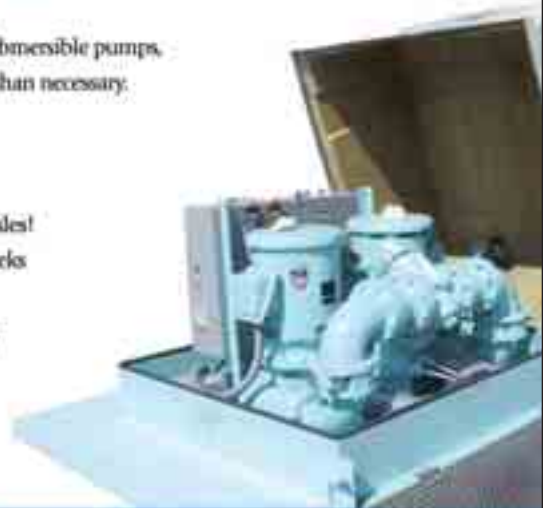
Save Thousands Annually with S&L Wet Well Mounted Pump Stations.

Whether it's your staff or outside contractors maintaining and replacing your submersible pumps, you're likely spending a lot more money and resources on your pump stations than necessary.

Smith & Loveless Wet Well Mounted Pump Stations deliver:

- Savings of up to 60% annually in maintenance & repairs over submersibles
- Extreme ease of quick, safe & clean inspection - no routine confined space hassles!
- Standard & custom station designs - complete system delivery in little as 5 weeks
- Complete control options, including PLCs and relay logic
- Premium efficiency pumping with durable S&L pumps - decades of pumping!
- Complete after market product support, forever after the sale

*More than 1,000 S&L pump stations serve Georgia.
Call today for quotes and life-cycle cost comparisons!*



770-922-5452 • (F) 770-922-2686
www.smithandlovelessga.com

Smith & Loveless Georgia Inc.



GREATER RETURNS

With a more precise meter and an innovative AMI System.

Thanks to its revolutionary design, OMNI water meters offer performance that's unmatched, especially when it comes to profitability. Paired with the Sensus FlexNet AMI solution – you'll capture more of the right information to control resources and costs like never before.

Visit our web site to find out more.

Flex
Net

SENSUS

www.sensus.com or 1-800-METER-IT



MESSAGE FROM THE

president



GOOD DAY AND WELCOME to 2010. I hope the New Year will bring you health and prosperity and the knowledge that when you are working in the water and wastewater world, you are working in a field second to none. The rewards we receive for providing safe, consistent services to our consumers are richly deserved.

I hope all of you are utilizing the many services the Georgia Rural Water Association provides. The GRWA staff is highly experienced and is ready and able to answer questions, conduct formal and on-site training and provide technical assistance. The vast majority of the services are provided free of charge to Georgia's communities and counties so you should really take advantage of such a rare program.

GRWA is also participating in the America Recovery & Reinvestment Act (ARRA) Loan and Grant Program, acting in a supporting role to Rural Development. We have two circuit riders charged with the responsibility of contacting potential applicants for the ARRA money, assisting in developing an action plan, and helping those applicants reach the proper RD personnel to continue the process.

I have only mentioned a small portion of the services GRWA has available to small communities and counties. I suggest contacting our office in Barnesville at 770-358-0221 or visiting our Web site, georgia-training.com, to see the full scope of our activities.

I hope to see you on Jekyll Island in May when we will celebrate our 31st Spring Training Conference.

Doug Anderton
GRWA President and NRWA Director

A vertical image of a waterfall with white water cascading over rocks, set against a dark blue background. The image is positioned on the left side of the page.

The GRWA staff is highly experienced and is ready and able to answer questions, conduct formal and on-site training and provide technical assistance.



Carter & Sloope

CONSULTING ENGINEERS

Carter & Sloope, Inc. is a Macon based consulting engineering firm offering a full range of civil and environmental engineering, waterfront structures and planning services. The firm's primary services include civil and environmental engineering with concentrations in water and wastewater systems. Since its founding, the firm has diversified to offer expertise in storm drainage/stormwater management, roadway design, streetscape design, surveying, landscape architecture, marine structures, bridges and building structures .

C&S operates offices in Macon, Albany, Athens, Canton, and Savannah, Georgia. C&S maintains a full staff of professional engineers, project engineers, landscape architects, technicians, and surveyors. Our staff is experienced in providing complete planning, design and construction management services.

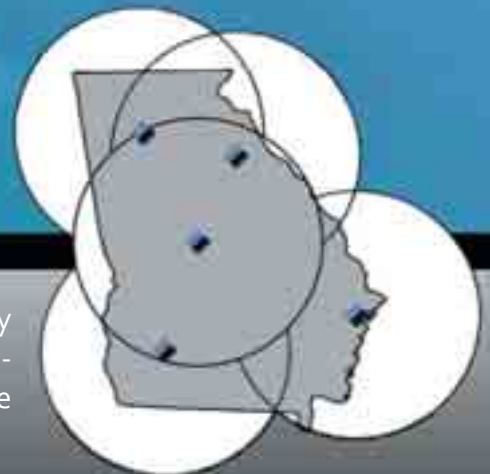
These services are provided to a variety of clients in both the public and private sector, including municipalities, industries, land developers, architects and utility authorities.

*"We recognize that relationships are about **people**...not **projects**... a **project** is impersonal and about business only. We focus on the **people** affected by the **projects**."*

Service Areas

- Environmental Engineering
- Civil Engineering
- Marine and Waterfront Structures
- Landscape Architecture
- Permitting
- Planning
- Funding Assistance
- Surveying

Since 1990, Carter & Sloope, Inc. has served the engineering and community development needs of cities and counties throughout Georgia. We will continue to provide quality responsive service and technical expertise to assure our clients of consistently high levels of satisfaction and success.

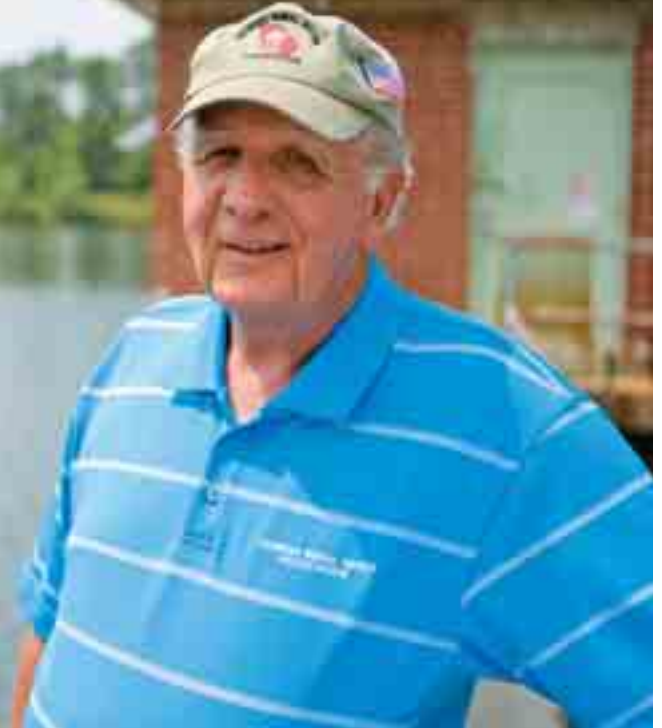


Macon • Albany • Athens • Canton • Savannah
1-800-749-3923 • www.cartersloope.com

FAITHFUL SERVANT

33-year wastewater vet still loving what he does

By Ted J. Rulseh



As a young man in the U.S. Navy, Robert Lovett ran a pair of triple-effect evaporators that turned seawater into fresh water for the crew of the aircraft carrier USS Saratoga. He couldn't have known then that water would become his career.

Lovett, now 70, has worked in water and wastewater treatment for 33 years and has no plans to slow down. His main job is to operate the water and wastewater treatment plants in Woodbury, Ga., a community of 1,200, about 60 miles south of Atlanta. He also serves as contract operator for treatment systems in the nearby towns of Warm Springs (population 400), Concord (200), Talbotton (500) and Greenville (1,000).

There is no question he has followed his calling. "Somebody told me a long time ago to find something you really, really like to do, and then get somebody to pay you to do it," he says. "And that's what I've done. I can honestly say that in all my years in water and wastewater, I've never got up a single morning dreading to go to work. I've enjoyed every day, and working seven days a week."

Lovett enjoys serving the public as well as giving back to the profession through activity in the Georgia Rural Water Association and service on the board of directors of the Meriwether County Water Authority.

Change for the better

Lovett joined the Navy in 1958, after graduating from high school in Woodbury, and attained the rank of petty officer second class. He left after his four-year hitch and

went to work for a business form printing company back home.

After 14 years, he was tired of that. His wife Sylvia Lovett, city clerk in Woodbury, found out the mayor needed someone to run the water treatment plant and let her husband know. "So I switched over, and it's the best thing I've ever done," says Lovett.

He took training through the Georgia Water & Pollution Control Association and soon was operating both the water and wastewater treatment plants. Today, he holds Georgia Class 3 wastewater and Class 2 water certifications.

About 20 years ago, he started doing contract work for other communities. Perhaps his most interesting assignment is operating the new sequencing batch reactor (SBR) plant in Warm Springs, site of the Roosevelt Warm Springs Institute and former President Franklin Roosevelt's Little White House.

The Warm Springs treatment system was built in 1950 and later deeded to the city. Lovett began operating that aging activated sludge plant 17 years ago. "We met our permit, but the plant was aging," he says.

In 2006, the new \$5 million SBR plant (Aqua-Aerobic Systems, Inc.) went online, serving the city and as many as 200,000 visitors to the Roosevelt historic sites each year. The plant is designed for 400,000 gpd and now treats 200,000 gpd on average.

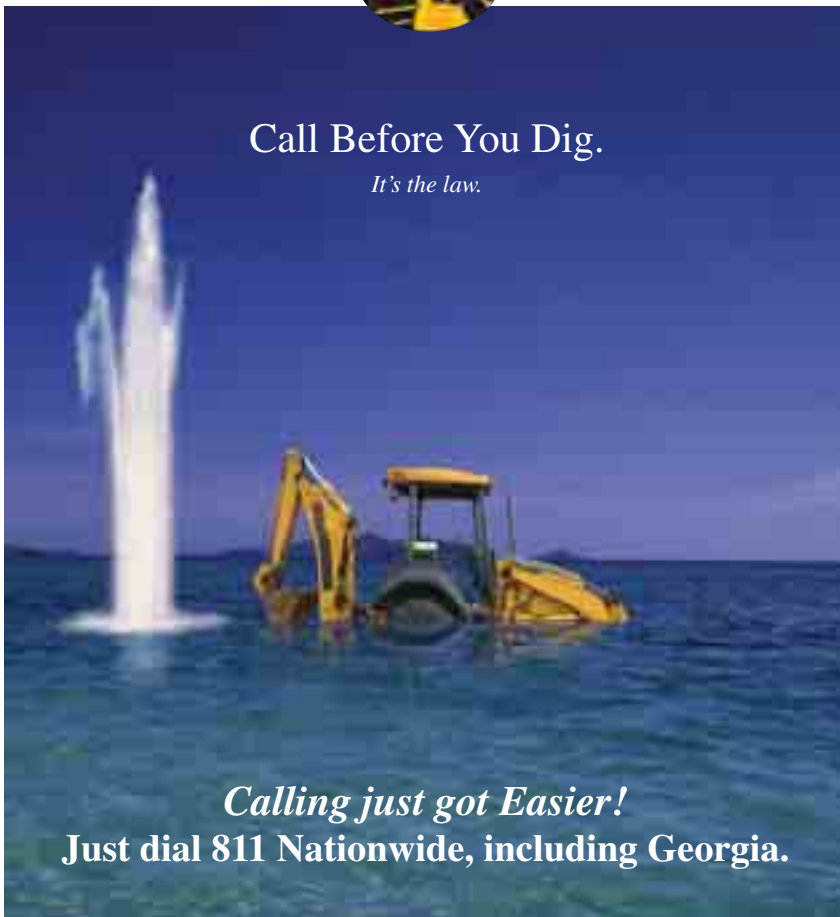
Consistent performance

Influent passes through a bar screen, then drops into a lift station, from which three Flygt pumps lift it to the two SBRs.



Call Before You Dig.

It's the law.



Calling just got Easier!
Just dial 811 Nationwide, including Georgia.



Know what's below.
Call before you dig.

1-800-282-7411, or 770-623-4344 in the Metro Atlanta area,
will still put you in touch with the UPC of Georgia.



Treated effluent decants to an equalization basin and from there goes through UV disinfection and into Cold Creek.

After decant, biosolids are pumped to an aerobic digester, and from there to a drying bed (F.D. Deskins Company, Inc.). "It's the only drying bed of its kind in Georgia," says Lovett. "Instead of sand, it uses crushed gravel on top. With sand, the material takes a month to dry. With this system, in good weather, it dries in five or six days. After that, we rake it up and take it to the landfill." Water from drying bed underdrain is piped back to the plant headworks.

Plant influent averages 180 mg/l BOD and 140 mg/l TSS. The NPDES permit calls for 17 mg/l BOD and TSS in September, October and November and 30 mg/l for the rest of the year. Actual effluent BOD and TSS are 5 mg/l. "It looks like drinking water," Lovett says. "Ammonia is below the detection limit. Our pH limit is 6 to 9, and that runs about 7.2. The dissolved oxygen limit DO limit is five parts per million, and that runs better than seven. We've never failed to meet our permit."

Lovett made his own contribution to the plant's design, calling for the addition of DO probes in a feedback loop to optimize blower operation in the SBRs and save energy. "I read about that in a magazine at the time we were building the system," he says.

"Most plants run the blowers on a timed basis to keep the DO level up. We control the blowers with the DO probes. We keep the DO in a range from 1.2 to 2.5 parts per million. The blowers come on at 1.2 and cut off at 2.5. We spent about \$11,000 for that system with a change order, but it was well worth the money."

The SBR process is fully automated, and a SCADA system enables Lovett to monitor the operation from Woodbury.

Keeping tabs

Meanwhile, Lovett watches over the Woodbury treatment facilities, with help from one full-time operator, Ray Grizzard. The water treatment plant, a 40-year-old coagulation, sedimentation, filtration and chlorination system, is



Municipal • Agricultural • Industrial
Residential • Environmental
Quality Construction Practices Since 1965
For Maintaining Groundwater Quality

Phone: (478) 986-3192 • Fax: (478) 986-5880
www.greeneswaterwells.com • jgreene@greeneswaterwells.com





AT A GLANCE

Robert Lovett, City of Woodbury, Ga.

Position: Wastewater and water operator

Experience: 33 years

Responsibilities: Employed by City of Woodbury; contract operator for Warm Springs and three other communities

Certifications: Georgia Class 3 wastewater and Class 2 water

Awards: Outstanding Operations, Water Plant (under 1 mgd), 1980 and 1986, Georgia Water & Pollution Control Association

Goals: Continue working until age 90

permitted for 750,000 and actually produces about 200,000 gpd.

The wastewater plant is rated at 325,000 gpd and processes about half that amount. The influent enters a four-acre oxidation pond and from there flows to a 9-million-gallon holding pond. It is then pumped about one mile to a spray field of six spray areas equipped with fixed heads.

“We raise 44 acres of coastal Bermuda grass,” says Lovett. “I used to bale about 10,000 bales of hay per year. Then it reached the point where we couldn’t get the help we needed, so we bid that out now. Three Trees

Farm in Woodbury handles that now, and they round-roll it. They get four or five cuttings of some pretty good hay.” The facility’s permit calls for 50 mg/l TSS and 30 mg/l BOD. Chlorination is not required; a buffer strip and chain-link fencing restrict public access to the spray fields.

The other treatment facilities that Lovett runs on contract are simple lagoon systems. He handles the testing, sending samples to a private laboratory. City public works employees provide maintenance support.

Giving back

The diverse responsibilities don’t bother Lovett – in fact, he thrives on them. “I go to work every morning at four o’clock, and I work until it’s done,” he says. “I just enjoy it. It’s been my life.” In his spare time, Lovett

attends meetings of the National Rural Water Association – 16 of them in all around the country. He was a founding board member of the Georgia Rural Water Association and has served as treasurer, vice president, and president.

“Georgia Rural Water is one of the best organizations we have in the state,” Lovett says. “Their executive director, Jimmy Mathews, has done more for water and wastewater than anyone I know. They do video inspection and smoke testing of sewer lines, leak detection, troubleshooting, and other services for us. They also do all the training classes for water and wastewater operators.”

I could not, or would not go any further without mentioning a friend who has helped me grow in my profession and that person is Jerry Hood, Vice

**PITTSBURG
TANK & TOWER
MAINTENANCE CO., INC.**

SAVE!

**We have a crew in
YOUR AREA!**

Inspections	Repair	New & Used	Tanks
Wet	Clean	Relocation	Elevated
Dry	Paint	Erectors	Underground
ROV (Robotic)	Insulation API	Dismantles Mixing System	Ground Storage

ROV inspections can be viewed on TV console during inspection & DVD provided. All inspections include bound reports, recommendations and cost estimates.

www.watertank.com
270-826-9000 Ext. 253



- Reliable on-site prime, peaking and standby power
- Preventive care for your genset
- Rental Power - 35 kW to 2 MW
- 24/7 support

To learn how we have helped others, call us today at 800-768-7278.

Our energy working for you.™



Florida

• Ft. Myers • Jacksonville • Miami • Ocala • Orlando • Tampa • W. Palm Beach

Georgia

• Atlanta • Albany • Augusta • Gainesville • Savannah

Tennessee

• Chattanooga

CumminsPowerSouth.com



President of Engineering Management. He is a great friend, who will go the extra mile to give you a helping hand.

As a board member with the Meriwether County Water Authority, Lovett is helping to oversee design and construction of a new \$17 million wastewater treatment plant to serve a booming area in the northern part of the county. A new Kia automotive plant in West Point is expected to employ, with all its satellite suppliers, about 6,000 people, and other major businesses are moving to a new industrial

park. "I'm the only person on the board who has any experience in water and wastewater," Lovett says.

Serving the public

Meanwhile, Lovett takes quiet pride in his daily work. He enjoys good relationships with the government leaders of the cities he serves and feels they listen to and respect his professional opinions.

"It's a public service that goes unnoticed," he says. "The firemen and policemen and others get all the credit.

"Somebody told me a long time ago to find something you really, really like to do, and then get somebody to pay you to do it. And that's what I've done."

We don't get too much credit out here pumping the water. I just enjoy working with the public. We're public servants. We should never forget that."

To Lovett, every day is interesting. "When you come in, you don't know what you're going to face," he says. "I love the challenges. It keeps you young. In a small town, you do it all. I've always said that if you can run a small system, you can run any system, because you do everything – the janitorial work, cutting the grass, treatment, lab work. You do it all."

Lovett often gives treatment plant tours to school groups and civic organizations.

"When they flush the commode at home, they don't realize where it goes and what happens to it," he says. "When they come out and see our treatment facility they are amazed."

He sees a bright future in the treatment sector for young people looking for rewarding, secure employment. In a time when companies are downsizing and sending jobs overseas, wastewater treatment offers security. "We might not get rich doing it, but we'll always have a job," he says. "The people who were making \$30 or \$40 an hour in the auto industry were a lot better off than I was during that period. But since it has shut some of the plants down, I consider myself blessed being able to still supply people with water."

Lovett's job helped him raise three daughters, the oldest a labor and delivery nurse, the middle one a teacher, and the youngest a surgical nurse. His wife of 44 years recently retired from her job as deputy clerk of Superior Court in Meriwether County, but retirement is not in his plans. "I'm 70 years old," he says, "and I want to work to about 90."



TANK CONNECTION
AFFILIATE GROUP

**Ground Reservoirs
Elevated Water Tanks
Standpipes
Wastewater Treatment**

SPECIFY THE BEST IN LIQUID STORAGE!

- Tank Connection is the only tank supplier worldwide that designs, manufactures and installs all four types of steel storage tanks including bolted RTP, field-weld, shop-weld and hybrid tank designs.
- Tank Connection's precision RTP (rolled, tapered panel) construction is the #1 bolted tank design selected worldwide.
- Our proprietary LIQ Fusion 7000 FBE™ coating system is NSF 61-approved and is unmatched in performance. LIQ Fusion 7000 FBE™ is a stronger system than "porcelain enamel/glass" for potable water and wastewater storage applications.

Get Connected with the Engineers' 1st Choice in Liquid Storage!



Tank Connection • 3609 N. 16th • Parsons, KS 67357 • Ph: 620-423-3010
Website: www.tankconnection.com • Inquiry: sales@tankconnection.com

TAYLOR

POWER SYSTEMS®



**YOU CAN
depend on
TAYLOR POWER**
Stationary and Mobile Generators

461 Highway 49 South
Richland, Mississippi 39218
800-367-7639 • taylorpower.com

MEMBER

news

Rita Wayco receives Rural Water Award

Rita Wayco received the prestigious “Friends of Rural Water Award” from the Georgia Rural Water Association during the 30th Annual Fall Training Conference held in Helen, Georgia in October. The award recognizes persons who have made notable contributions during their careers in enhancing and benefiting small communities and counties in Georgia in their water and wastewater endeavors.

Rita spent 23 of her 37 years of federal service working with USEPA, Region 4, in Atlanta, serving in many capacities benefiting the state of Georgia and its many small communities and counties. She was responsible for the 106 State Surface Water Grant Program and the Drinking Water Program, and she served as a special assistant for the regional administrator for 8 years.

Rita also served as the local government program coordinator, working with local officials. Additionally, she worked directly with local officials through Intergovernmental Personnel Act agreements with GRWA and the Conference of Southern County Associations.



Georgia loses a great man with the passing of Mr. Tom Wootten

Mr. Tom R. Wootten, 87, of Acworth, Ga., died November 4, 2009 at Tranquility Hospice as a result of complications from Parkinson’s disease. Mr. Wootten was well-known throughout Cobb County and Georgia as the owner of Welker and Associates, providers of civil engineering services throughout Georgia and the southeast.

Mr. Wootten retired after 40 years in 1986, but continued to be involved with the company’s outreach to numerous Georgia cities and counties. Mr. Wootten also served as a board member and president of the Georgia Rural Water Association from its beginning in 1979 to the present.

A believer in local community involvement, Mr. Wootten was a member of Rotary International in Marietta, charter member and president of the Red Rock Community Club and he taught the adult Sunday school class at County Line Methodist Church for 55 years.

Mr. Wootten served as a Seabee in the 6th Special Naval Construction Battalion assigned to Guadalcanal and Bougainville in World War II. He often insisted “the Seabees were the ones who paved and prepared the landing areas for the Marines, so who was there first?”

Mr. Wootten was happily married to Miriam Hemphill Wootten of Moreland for 67 years and is survived by his daughter and son-in-law, Bonnie and Richard Webb of Acworth, son and daughter-in-law, David and Cassandra Wootten of Acworth, three grandsons and one great-granddaughter. Mr. Wootten is also survived by two sisters and their husbands and caretaker Gloria Hall.





“Your Georgia Source”

*5 Year
Warranty
on
Solid Teflon
Diaphragm’s
On EMEC
Metering Pumps*





Precision Pumps Built in America

Ashby, MA

Call: (770) 487-1066Fax: (770) 487-2293e-mail: billy@filtertechofgeorgia.net

WOMEN IN WATER



Water and wastewater used to be a man's world, but that is no longer the case. Women have come to the forefront in the water and wastewater industries, functioning as policymakers, executive directors, managers, supervisors, technicians and operation and maintenance personnel, just to list a few of the many positions they hold today. They bring professionalism and commitment to success along with a level of confidence recognized by superiors, co-workers and subordinates in achieving their goals.

The Georgia Rural Water Association has long been aware of the many contributions of women in the water and wastewater worlds and is proud to offer the initial installment in a series of spotlights featuring the women working in Georgia in this issue of Water Stewards. GRWA will continue with the series in future editions in an effort to recognize every woman working in Georgia's water and wastewater industry. ●

Carol Fullerton. Georgia House of Representatives, District 151. Member of House Natural Resources and Environmental Committee. Member, Albany Water, Gas and Light Commission.



Amberly Ferris is General Manager and a Certified Operator for the Lamar County W/WW Authority and was instrumental in the formation of the authority nine years ago.



Marie Allen is General Manager and a Certified Operator for the Monroe County Water System. Marie was heavily involved in setting up the system 10 years ago.



Marcie Seleb is General Manager and a Certified Operator for the Butts County Water & Sewer Authority. She has 21 years of experience and holds licenses in Class III WW, WW Collection and Water Distribution.

& WASTEWATER



Linda Flythe serves as a *Lead Operator for the Augusta Utilities Department. She has worked In Augusta for six-plus years and holds a Class I Water License.*



Debra Beasley is *Superintendent of Water Production for the Augusta-Richmond Utilities. Debra has 23 years of experience and holds licenses in Class I Water and Class II WW.*



Debra Home is a *Lead Operator for the Augusta Utilities. She holds a Class II Water License with seven years of experience.*



Margaret Doss serves as the *Water Quality Manager for the Columbia County Water Utility and has more than 21 years of experience. She holds licenses in Class I WW, WW Lab Analyst and Water Lab Analyst. Margaret also serves as Chairman of the Georgia W/WW Certification Board and a member of the National Association of Boards of Certification.*

Cathy Halgat is a *Laboratory Analyst and Water Operator for the City of Monroe Utility Department. Cathy holds licenses In Class I Water and Class II WW and has been involved in W/WW for 15-plus years.*



WOMEN IN WATER



Donna Archebelle is the Deputy Director for the Eatonton Putnam County W/W Authority. Donna holds a Class III Water License and has six years of experience.



Christy Allison serves as the Operations Supervisor for the City of Barnesville Utility Department. Christy has more than 20 years of experience and holds licenses in Class I Water and Class II WW.



Jocelyn Zanetta Hunt is the Deputy Director of Water Operations for the City of Macon. Jocelyn holds a Class I Water License and has worked for 22 years, including four years in the U. S. Army.



Connie Nelms is a Lab Analyst for the City of Carrollton with nine years of experience. Connie holds a Class I Water License.



Sharon Kelly serves as the Project Manager for ESG Operations and the City of Perry. Sharon holds Class I licenses in Water and WW and has more than 23 years of experience.

& WASTEWATER



Bercatha Johnson Napier, Tammy York and Evelyn L. Neal have a combined 63 years of experience in customer service for the City of Barnesville. City Manager Kenny Roberts has given them the responsibility for planning and implementation of the Water Conservation and Unaccounted for Water Loss programs for the city.

Infratec Consultants, Inc.
INFRASTRUCTURE TECHNOLOGY

Technology consultants for
 water infrastructure

www.infratec-us.com

1301 Highliner Trail, Suite 140 • Sandy Springs, Georgia 30350
 Phone: (678) 990-2468 Fax: (678) 990-2469 mail@infratec-us.com



Tank Experts Inside and Out!

- Preventive Maintenance Programs • Painting
- Washout / Inspection • Underwater Inspections • Repairs
- Failure Investigation • Cost Budgeting • Scheduling
- Safety Devices • Custom Art, Designs and Logos
- Wireless Communication

1 888 621-8896
www.tankproinc.com

BROWN AND CALDWELL
Environmental Engineers & Consultants

45 Offices Nationwide • BrownandCaldwell.com

LFM (800) 237-6791
www.lfm-ftp.com

FIBERGLASS SPECIALISTS

L. F. Manufacturing, Inc.

Fiberglass Manholes, Wetwells,
 Tanks, and Piping Systems

2450 Industrial Boulevard
 Waycross, GA 31503
 (912) 285-7578

'sustainable'

Of, relating to, or being a method of harvesting or using a resource so that the resource is not depleted or permanently damaged.



When it comes to water loss control, there's only one 'sustainable' solution-**TotalCare™**- and only one company that offers it.

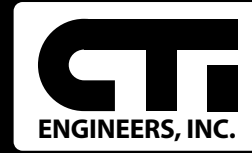
Leakage Consultants

615.989.1576

LeakageConsultants.com



Sustainable - More than an industry buzzword. It's What we do.



PARTNERING WITH THE CITIZENS OF NORTH GEORGIA FOR A BETTER FUTURE

LOCAL OFFICES:

1122 Riverfront Parkway
Chattanooga, TN 37402
423-267-7613

1899 Cleveland Hwy.
Dalton, GA 30721
706-278-8110

Water
Treatment
Storage & Distribution

More
Streetscapes
Solid Waste
Management

Wastewater
Treatment
Collection & Pumping

Storm Drainage
Environmental
Consulting

practical innovation, by design®

www.ctiengr.com



KNOXVILLE, TENNESSEE WATER and WASTE WATER FILTRATION

- VACUUM REMOVAL SERVICES
- UNDERDRAIN REPAIRS/RETROFITS
 - SPECIAL COATINGS
 - TROUGH REPLACEMENT
 - TANK LININGS
 - SANDBLASTING
 - MEDIA INSTALLATION
 - WATERPROOFING
 - VALVE REPLACEMENT

LICENSED & BONDED

30 YEARS OF RESPECTED SERVICE
EMERGENCY SERVICES AVAILABLE

1.800.673.4434

FAX (865) 525.0126

www.TechCoat.net



Municipal Service Contractors

P.O. Box 1276
240 Industrial Park Drive
Forsyth, Georgia 31029-1276
Main: 478-994-2848 / Fax: 478-994-6857

Toll: 800-727-1762

www.pmcenterprises.com

Mechanical

Pump Repair
Motor Repair
Gear Unit Repair
Valve Repair
Fan Repair
Machine Shop
Fabrications
Piping Services
Crane Services
Balance/Alignments
Hydraulics
Regulators Repair
Tank Level Repair

Electrical

Control Systems
Instrumentation
PLC Services
MCC Repair
Variable Drives
Soft Starts
Scada Systems
Vibration Analysis

Other

Water & Pneumatic
Valve Repair
Machinery Repair
On Site Repairs

Experienced in Water & Waste Treatment

WELCOME ABOARD

Shirley Sherrod steps up as Georgia's new RDA director

Shirley has devoted her career to rural development and advocacy in the south for the past 44 years. She led the Georgia office of the Federation of Southern Cooperatives Land Assistance Fund for the past 24 years. In that capacity, she was responsible for development and implementation of the USDA sponsored Outreach and Technical Assistance Project.

Shirley also served as the Georgia State Lead for the Southern Rural Black Women's Initiative (SRBWI). SRBWI promotes the first human rights agenda in the United States aimed at eradicating historical race, class, cultural, religious and gender barriers experienced by southern rural black women.

Shirley was recently appointed by the Obama administration as USDA Georgia State Director for Rural Development.

A native of Newton, Ga., Mrs. Sherrod received a bachelor's degree in sociology in 1970 from Albany State University in Albany, Ga. She completed additional graduate studies in business administration at Valdosta State University and then in 1989 received a master's degree in community

development from Antioch University in Yellow Springs, Ohio.

Shirley's work began in 1965 as an organizer with the Student Nonviolent Coordinating Committee (SNCC), Southwest Georgia Project. She helped to start a land trust, New Communities Inc., which owned 6,000 acres of land just north of Albany, Ga. During that time, she also worked with rural women to organize childcare/pre-school programs throughout southwest Georgia and was intensively involved in numerous voter registration and education projects, which led to the election a larger number of African Americans to public office.

Among the awards Shirley has received are: The Rural Development Leadership Network, Harold A. Gaines Memorial Award for Outstanding Rural Leader; Jesse Jackson and Rainbow Coalition, Dixon Terry/Tom Saunders Rural Leadership Award for Lifelong Commitment to the Struggle for an Environmentally Sound Farm System and Economic Justice For all; National Campaign for Sustainable Agriculture Award for Courageous Efforts to Sustain African American Farmers



SHIRLEY SHERROD
Georgia State Director
Rural Development Agency
355 East Hancock Avenue
Athens, Georgia 30601
706-546-2162
Shirley.sherrod@ga.usda.gov

and to Promote Social and Economic Justice; and The Delta Sigma Theta Sorority, Inc., Albany Alumnae Chapter, Community Role Model Award.

In 1993, Shirley was awarded a fellowship in the Kellogg National Fellowship Program. During the three years as a Kellogg Fellow, she had the opportunity to attend many seminars, workshops, and conferences in the United States and abroad. Returning to southwest Georgia with polished skills, Shirley embarked on a mission to share the valuable information she had gathered for the benefit of rural and urban communities.

Shirley is married to Rev. Charles M. Sherrod. They have two children and four grandchildren. ●

REDUCE YOUR UNACCOUNTED-FOR WATER With the UFR (Unmeasured-Flow Reducer)

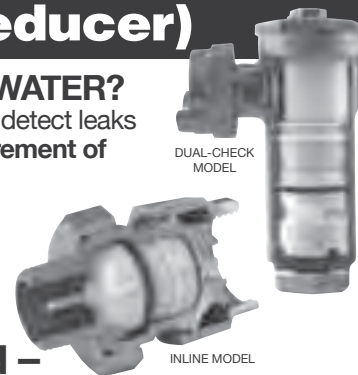
HAVING TROUBLE LOWERING YOUR UNACCOUNTED-FOR WATER? INSTALL THE UFR (Unmeasured-Flow Reducer). Not only will adding the UFR help detect leaks by aiding in the detection of non-revenue water flow, it can also increase the measurement of billable water between as much as 5 and 10 percent.

- REDUCE WASTE
- INCREASE REVENUE



U.F.R. technology provided by
A.R.I. Flow Control Accessories LTD - Patent Pending

— NOBODY does Brass better than A.Y. McDonald —



A.Y. McDonald Mfg. Co.

800.292.2737 | FAX 800.832.9296
sales@aymcdonald.com | www.aymcdonald.com

A GOOD TIME

The 30th Annual Fall Training Conference, held at the Unicoi State Lodge in Helen, Georgia on October 25-27, 2009, provided an excellent source of training, entertainment, food and an overall good time for everyone lucky enough to attend. The attendees were welcomed by a cool crispness in the air and some of the finest hospitality that is enjoyed anywhere.



HAD BY ALL

GRWA Training Director Fred Finley again fielded a top-flight list of presenters providing an outstanding assortment of training topics. Attendees were also able to visit a full exhibit hall and interact with our associate members, receiving information on the latest news and technology in our industry. ●



NAVIGATION ELECTRONICS, INC.
NEI

Your Complete GPS Solution Provider

NEW USED RENTALS SERVICE

Louisiana: 800.949.1446 • Georgia: 800.949.1932

NAVIGATION ELECTRONICS, INC.
www.neigps.com
For further information, contact Jeannine Hightower
jeannine@neigps.com



PBS&J

SERVING TODAY'S NEEDS,
SHAPING TOMORROW'S WORLD
improving life for generations™

When it comes to our planet's water resources, we can't take anything for granted. PBS&J partners with communities to develop and fund effective water resource management solutions. Planning today for your peace of mind tomorrow.

Offices throughout the US
pbsj.com • 800.826.4284

THE LEARY CONSTRUCTION CO., INC.
32 EAST PIERSON ST. GREENFIELD, IN 46140
Seventh Decade, Same Name, Same Place – Always Available

ELEVATED TANK SERVICE
PAINTING SANDBLASTING WELDING
EMERGENCY SERVICE

www.learycc.com

INDIANA FAX
1-800-428-2323 1-317-462-1646

**SCADA / Radio Telemetry
Monitor & Control Systems**

 **Dexter Fortson
Associates, Inc.**
910 Ploof Drive ■ Birmingham ■ AL 35023
<http://www.dfa-inc.com>

Tim Carroll ■ tcarroll@dfa-inc.com ■ (205) 901-6238

SOWEGA CHLORINATOR 

505 NINTH AVENUE • P.O. BOX 3006 • ALBANY, GA 31706-3006
(229) 436-8512 • 1-800-230-1415 • FAX: (229) 436-0194
SALES • SERVICE • PARTS • INSTALLATION

AUTHORIZED DISTRIBUTOR FOR:

- Chemicals - (Water & Wastewater) • Chlorinators - (Water & Wastewater)
- Eagle Microsystems - (Scales ton - 150# Cylinders - Drums)
- Superior - (Analyzer, Chlorine Detectors, Chlorinators)
- Jacuzzi Pumps (Centrifugal - Stage - Submersible)
- Probiotic Solution - (Wastewater)

**TEST, REPAIR & CALIBRATION OF
LARGE WATER METERS**

 **Bill Shows, C.E.O.**

**REED & SHOWS METER
REPAIR & SUPPLY CO., INC.**
5463 Dukes Road
Douglasville, GA 30135

Ph.: (770) 942-7290
Cell: (404) 202-1207
Fax: (770) 949-1015

 **SunCoast
Learning Systems**

Your official source for GRWA online continuing education training.

Go to www.GRWA.org and click on Online Training to get started.

We appreciate your business!
1-800-269-1181

GRAVES
WATER SERVICES, INC.

TIMOTHY E. MILES
OPERATIONS MANAGER

Office 803/471-3353 www.graves-water.net
Toll Free 800/221-2935 tmiles@graves-water.net

7724 ATOMIC ROAD • JACKSON, SC 29831

ASSOCIATE MEMBER SPOTLIGHT

Carter & Sloop

This is the next installment in a series spotlighting Georgia Rural Water Association associate members. We wish to thank Carter & Sloop Inc. for providing us with the information for the article.

Having previously worked for a large consulting engineering firm, Don L. Carter, P.E. and Tom H. Sloop, P.E. felt that something was vitally missing for communities seeking engineering services in middle and southern Georgia. With this in mind, on March 19, 1990, both principals joined together in forming the consulting engineering firm of Carter & Sloop Inc., with the heart and core values resting on the idea of providing “personal” consulting engineering services for communities across Georgia.

In December of 1991, the firm acquired a new partner, Mark C. Gatlin, P.E., whose broad experience in water and wastewater treatment strengthened the firm’s overall technical expertise and helped to readily establish Carter & Sloop Inc. as a full service-engineering firm for municipalities.

As of April 1996, Carter & Sloop Inc. had set up its main office in Macon, Georgia. In 1997, the first branch office was established in Valdosta, Georgia, allowing Carter & Sloop to provide engineering design and construction administration services to clients throughout southern Georgia. Expanding rapidly, in late 1999 and early 2000 two new branch offices opened to accommodate clients. The Athens, Georgia office provides engineering-related services to northern Georgia, and the Savannah office was established to service clients along the coast and in southern South Carolina.



Though founded with basic service lines in civil and environmental engineering, the firm continues to diversify and also offer expertise in marine structures, bulkheads, bridges, building structures, surveying, construction administration, site design and landscape architecture. Currently, Carter & Sloop maintains a staff of 57, comprised of professional engineers, project engineers, technicians, clerical staff and survey crew members.

With a team of highly motivated individuals dedicated and committed to offering progressive consulting engineering and management services, Carter & Sloop Inc. provides environmental solutions to more than 100 municipalities, counties, industries and private companies across the state. Earning repeat business from core clients for more than a decade, these solid relationships are a result of striving to fully and knowledgeably understand the needs of their clients and their complete satisfaction. Based on extensive experience, they are able to better provide and recognize innovative and economical solutions while delivering superior service to each and every client. Carter & Sloop ultimately signifies excellence in capabilities, services and results by improving a quality of life that can be enjoyed for years to come by those they serve.



GRWA 2010 TECH CONFERENCE

Jekyll Island will mark a passing and a new beginning



The Georgia Rural Water Association Annual Spring Technical Conference, scheduled for May 15-18, 2010 on Jekyll Island, will see our organization for the last scheduled event at the current Jekyll Island Convention Center. Upon our departure, the center will be demolished and the Jekyll Island Authority will begin construction of a new, modern facility. Even though construction will not be finished in time for our 2011 conference, the authority has promised state-of-the-art temporary facilities to fulfill our needs.

The 2010 conference promises to be a memorable one with the anticipated outstanding job by GRWA Training Director Fred Finley in planning an excellent list of training topics and the opportunity to sample local foods, crafts and entertainment.

Registration packets will be in the mail shortly for your convenience. If you fail to receive a packet, please contact our office at 770-358-0221 and they will mail one to you.

See you in Jekyll!

RONNIE POWELL



Office (770) 961-4332
Fax (770) 961-4277
Mobile (678) 409-8744
Email Allsouthenv@yahoo.com

3140 Ellenwood Industrial Drive
Ellenwood, GA 30294



ERASE THE EFFECTS OF STROKE.
learn more at heartandstroke.ca

THIS IS WHAT HAPPENS WHEN YOU PUT YOUR HEART INTO IT.™



HEART & STROKE FOUNDATION
Heart. Stroke. For Life.

This space has been generously donated.

Water Services
Construction
Urban Development
Planning & Mgt

BP Barber

Engineering • Experience • Excellence

www.bpbarber.com  678-409-8744

Additional offices: Charleston • Caryville • Columbia • Florence • Summerville

2010 TRAINING SCHEDULE AT-A-GLANCE

Refer to Training Schedule and Site/Lodging Information for Class Location

DATE	COURSE TITLE	HOURS	DAYS	CE POINTS	COST (\$)	LOCATION
JANUARY						
12	Class IV Water	6ClassIV	1	2	165	Savannah
19	Activated Sludge Process Control	6CE	1	6	115	Helen
20 -22	Wastewater Treatment Facility Optimization	24AWW	3	12	265	Athens
25 -29	Basic Wastewater	40BWW	5	12	395	Barnesville
FEBRUARY						
8	Backflow Recertification Review	6BFP	1	6	140	Cumming
9-12	Wastewater Collection Operation & Maintenance	27WWCOLL	3.5	12	295	Cumming
9	Basic Math	6CE	1	6	105	Atlanta
16	Hydrogen Sulfide Prevention & Corrosion Control	6CE	1	6	115	Calhoun
16-18	Advanced Water I	24AW	3	12	255	Gainesville
17-19	Water & Wastewater Utilities Management & Supervision	24AW/AWW	3	12	265	Atlanta
22	Hydrogen Sulfide Prevention & Corrosion Control	6CE	1	6	115	Columbia Co
22-26	Basic Water	40BW	5	12	395	DeKalb Co
23-26	Wastewater Lab for Analysts & Operators	27WWLab/24AWW	3.5	12	305	Augusta
MARCH						
9	Class IV Water	6ClassIV	1	2	165	Dawson
15	Pump Maintenance, Troubleshooting, & Efficiency	6CE	1	6	115	Barnesville
15-18	Distribution System Operation & Maintenance	27DIST	3.5	12	295	Braselton
16-19	Water Laboratory for Analysts & Operators	27WLAB/24AW	3.5	12	305	Henry County
22-26	Backflow Testers' Training	32BFP	5	12	395	Port Wentworth
25	Backflow Recertification Review	6BFP	1	6	140	Port Wentworth
23-25	Advanced Water II	24AW	3	12	255	Gainesville
29	Water & Wastewater Facility & Lab Safety	6CE	1	6	115	Dawsonville
30-Apr. 1	Activated Sludge Process Optimization	24AWW	3	12	265	Cumming
APRIL						
12	Confined Space Entry & Program Development	6CE	1	6	185	Monroe
12-16	Basic Water	40BW	5	12	395	Port Wentworth
13-14	Applied Utilities Math	12AW/AWW	2	12	165	Braselton
15	Pump Maintenance, Troubleshooting, & Efficiency	6CE	1	6	115	Helen
26-30	Basic Wastewater	40BWW	5	12	395	Gainesville
MAY						
4	Class IV Water	6ClassIV	1	2	165	Dalton
10 -14	Backflow Testers' Training	32BFP	5	12	395	Henry County
13	Backflow Recertification Review	6BFP	1	6	140	Henry County
11-13	Advanced Water I	24AW	3	12	255	Atlanta
15-18	2010 GRWA Spring Training Conference		4	12		Jekyll Island
20	Hydrogen Sulfide Prevention & Corrosion Control	6CE	1	6	115	Waycross
24-27	Wastewater Collection Operation & Maintenance	27WWCOLL	3.5	12	295	Fort Valley
24-27	Distribution System Operation & Maintenance	27DIST	3.5	12	295	Atlanta
JUNE						
7-11	Basic Water	40BW	5	12	395	Ellijay
7	Activated Sludge Process Control	6CE	1	6	115	Statesboro
8-10	Wastewater Treatment Facility Optimization	24AWW	3	12	265	Port Wentworth
18	Pump Maintenance, Troubleshooting, & Efficiency	6CE	1	6	115	Chatsworth
21-25	Basic Wastewater	40BWW	5	12	395	Tifton
21	Class IV Water	6ClassIV	1	2	165	Barnesville
22-24	Advanced Water II	24AW	3	12	255	Atlanta
29-July 2	Water Laboratory for Analysts & Operators	27WLAB/24AW	3.5	12	305	Augusta
LEGEND:						
AW – Advanced Water • AWW – Advanced Wastewater • BW – Basic Water • BWW – Basic Wastewater • BFP – Backflow Prevention • CE – Continuing Education • COLL – Collection • DIST – Distribution • W – Water • WW – Wastewater • WLAB – Water Lab • WWLAB – Wastewater Lab						

registration

2010 GRWA

Please fill out the Registration Form for the class(es) you wish to attend and return to GRWA prior to class.

Class _____

Location _____

Date _____

Class _____

Location _____

Date _____

Class _____

Location _____

Date _____

Class _____

Location _____

Date _____

The training class prices include all books and training material. The only exception is the optional purchase of the Cross-Connection Control, 9th Edition required for Backflow Testers' Review and Training classes.

CANCELLATION POLICY:

If you do not cancel by telephone or fax at least two weeks prior to the class(es) you registered to attend, tuition fee is non-refundable. Forfeited fees may not be applied to a future class. However, a substitute may attend the class in your place.

On-site registration may be possible when the number of registrants is less than the maximum class size. Please contact office for details.

Name: _____

Representing: _____

Address: _____

City/State/Zip: _____

Phone: _____ Fax: _____

E-mail: _____



On-line Registration available on our website: www.georgiatraining.com

MAIL FORM(S) WITH CHECK TO:
Georgia Rural Water Association
P.O. Box 383 • Barnesville, GA 30204
770-358-0221 • Fax: 770-358-4379
www.georgiatraining.com
e-mail: grwa1@grwa.org

Credit Card: Visa MasterCard

Card#: _____ **Exp:** _____

Cardholder Name: _____

Signature: _____

Class Fee(s): \$ _____

Manual (Backflow only).....\$ 45

Total Amount _____

Enclosed: \$ _____

GRWA OFFICE USE

Date Paid: _____

Check #: _____

Amt: _____

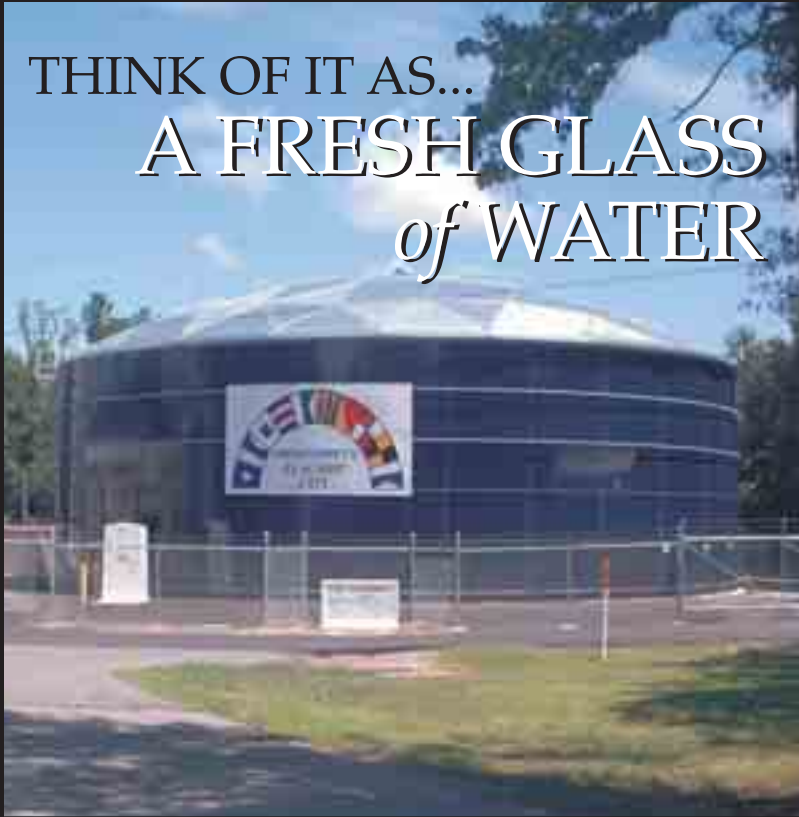
Backflow Only

Cross-Connection Control 9th Ed.\$45

Provided as desk reference upon request

NOTE: Two weeks prior to class you will receive confirmation and directions.

THINK OF IT AS...
A FRESH GLASS
of WATER



AQUASTORE®
 Tanks & Domes
 Glass Tanks with a Heart of Steel™

- Inert Porcelain Enamel Coating
- Lowest Maintenance Possible
- Glass Fused to Steel Inside & Out

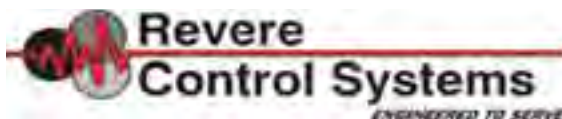
SOUTHEASTERN
TANK INC.

615.793.9220
 www.southeasterntank.com
 481 Dick Buchanan St.
 LaVergne, TN 37086
 info@southeasterntank.com

ScalableSCADA™
 for Water & Wastewater

- Product line grows with your needs
- From I/O-only to PLC-based units
- Communications options include ethernet radio, spread spectrum radio, licensed radio, and dial-up, cellular, or satellite modem
- CSIA Certified system integrator
- NEMA-rated enclosures
- UL 508A & 698A panels

2240 Rocky Ridge Rd. • Birmingham, AL 35216
 800.536.2525, ext. 3139; Fax: 205.814.0408
 www.reverecontrol.com • revere@reverecontrol.com



compact cabinet cooler
 HEAT EXCHANGERS by NOREN PRODUCTS
 for sealed electrical enclosures

remove waste heat while keeping contaminants out

Noren thermal solutions feature: low maintenance, easy installation, hazardous location, below ambient cooling, stainless steel

ideal for: pump stations, local district plants, waste water treatment plants

650.322.9500
 NORENPRODUCTS.COM/ccc **NOREN**

new products & services marketplace

**Sized to fit.
Ready to go.**

Need to remove radium, uranium, nitrate, perchlorate or other select contaminants? WRT delivers systems designed to treat from 10 to 10,000 GPM. It's the total solution for contaminant removal, complete with licensed disposal and the experience of more than 60 installations nationwide. So get the perfect fit, fast. Call today.

www.wrtnet.com 303.424.5355


WATER REMEDIATION TECHNOLOGY, LLC.

Clean Water. Clean Earth. That's Our Promise.™

KECK & WOOD, INC.
Consulting Engineers
Building the Foundation Since 1954

WATER • WASTEWATER • TRANSPORTATION
SURVEYING • GIS • NATURAL GAS • PLANNING

2425 Commerce Avenue | Building 2100 Suite 300
Duluth, Georgia 30096 | 678.417.4000 | 678.417.8785 (fax)
www.keckwood.com

Please support the
advertisers who have made
this publication possible.

ENVIRONMENTAL PROTECTION SYSTEMS

Brockton Equipment / Spilldam, Inc.
P O Box 960

Brockton, MA 02303
Phone: (800) 699-2374
Fax: (508) 583-5231

E-mail: info@spilldam.com
Web: www.spilldam.com

Brockton Equipment/Spilldam, Inc., Manufactures a variety of environmental protection systems including; oil and debris containment, floating silt and turbidity barriers, lagoon baffles, pumped water filter bags and absorbents. We will manufacture these products to meet your specific application. Please visit www.spilldam.com or call us at 800-699-2374.



Matt McGowan

District Manager

mmcgowan@fordmeterbox.com

Water Works Brass Valves & Fittings

Water Meter Setting Equipment

Water Meter Testing Equipment

Pipeline Products

The Ford Meter Box Company, Inc.

Phone: 260-563-3171 / info@fordmeterbox.com

WATER & WASTEWATER ENGINEERING & CONSULTING

Williams, Sweitzer and Barnum, Inc.
2232 Redmond Circle, N.W.

Rome, GA 30165-2087
Phone: (706) 234-0552
Fax: (706) 234-0556

E-mail: efwilliams@wsbengineers.com
Web: www.wsbengineers.com

Established in 1953, Williams, Sweitzer & Barnum, Inc. provides utility design, road design, land use planning, grading and drainage design, surveying and mapping services to a wide range of clients that include municipal, industrial, commercial, residential and individual.

WATER LOSS CONTROL

Leakage Consultants
695 Nashville Pike No. 310

Gallatin, TN 37066
Phone: (615) 989-1576
Fax: (615) 451-5044

E-mail: BudR@LeakageConsultants.com
Web: www.LeakageConsultants.com




Leakage Consultants, a MetroTech solutions partner, provides sustainable solutions for water loss control, sewer leak detection and pipe & cable locating.

advertisers index

AUTOMATIC CONTROL VALVES	
Noren Products, Inc.	27
CHEMICAL FEED EQUIPMENT	
Filter Tech of GA, Inc.	13
CHLORINATION/CHLORINATION EQUIPMENT	
Sowega Chlorinator.....	22
CIVIL ENGINEERS	
Burns & McDonnell.....	30
COMPUTER BASED TRAINING	
SunCoast Learning Systems, Inc.	22
CONSULTANTS – ENVIRONMENTAL	
Brown and Caldwell.....	17
Burns & McDonnell.....	30
CTI Engineers, Inc.	18
CONSULTING/ENGINEERING	
Brown and Caldwell.....	17
Infracore Consultants, Inc.	17
Noren Products, Inc.	27
PBS&J.....	22
CONTROL PANELS & SYSTEMS	
Noren Products, Inc.	27
DEMOLITION	
Pittsburg Tank & Tower Maintenance Company, Inc.	11
DESIGN – BUILD WATER/ WASTEWATER CONTRACTORS	
Burns & McDonnell.....	30
DISTRIBUTION, COLLECTION & REHABILITATION EQUIPMENT	
Ford Meter Box Company, Inc.	28
ENGINEERING CONSULTANTS	
BP Barber.....	24
ENGINEERING FIRMS	
Brown and Caldwell.....	17
Carter & Sloope.....	8
G. Ben Turnipseed Engineers.....	30
Keck & Wood.....	28
PBS&J.....	22
ENGINEERS	
Brown and Caldwell.....	17
ENVIRONMENTAL CONSULTANTS	
Brown and Caldwell.....	17
PBS&J.....	22
ENVIRONMENTAL PROTECTION SYSTEMS	
Brockton Equipment/Spilldam, Inc.	28
FILTER & FILTRATION EQUIPMENT	
Filter Tech of GA, Inc.	13
FILTER MEDIA	
Tech Coat, Inc.	18
FILTER MEDIA INSTALLATION MAINTENANCE & REMOVAL	
Tech Coat, Inc.	18
FILTRATION SYSTEMS	
Smith & Loveless.....	6
GENERATORS	
Taylor Power Systems.....	12
GPS MAPPING EQUIPMENT	
Navigation Electronics, Inc.	22
LEAK DETECTION EQUIPMENT/SERVICES	
b3o enviroTek.....	18, 28
LIFT STATIONS	
Smith & Loveless.....	6
MANHOLES	
L.F. Manufacturing, Inc.	17
MECHANICAL & ELECTRICAL SERVICE & REPAIR	
PMC Enterprises, Inc.	18
MEMBRANE SYSTEMS	
Smith & Loveless.....	6
METERS & METER READING SYSTEMS	
Sensus.....	6
METERS & METER SYSTEMS	
Reed & Shows Meter Repair & Supply Company.....	22
PUMP SERVICE & SALES	
Graves Water Services, Inc.	22

PUMP STATIONS	
Smith & Loveless.....	6
PUMPS	
ITT Water & Wastewater – Flygt Products.....	3
PUMPS & MOTORS	
Greene's Water Wells, Inc.	10
Noren Products, Inc.	27
RADIO TELEMETRY	
Revere Control Systems.....	27
RADIUM REMOVAL	
Water Remediation Technology.....	28
SCADA/TELEMETRY	
Dexter Fortson Associates.....	22
SEWER LEAK DETECTION	
b3o enviroTek.....	18, 28
SLUDGE REMOVAL	
Allsouth Environmental Services, Inc.	24
SOFTENERS	
Filter Tech of GA, Inc.	13
STANDBY POWER GENERATION	
Cummins Power South, LLC.....	11
STORAGE TANK SYSTEMS	
Southeastern Tank.....	27
TANK INSPECTION	
Pittsburg Tank & Tower Maintenance Company, Inc.	11
TANK INSPECTION, CLEANING & REPAIR	
Southeastern Tank.....	27
Utility Service Co.....	Inside Back Cover
TANK INSPECTION, PAINTING & REPAIR	
Tank Pro, Inc.	17
TANK PAINTING & METALLIZING	
Leary Construction Co., Inc.	22
TANKS	
Tank Connection.....	12
URANIUM REMOVAL	
Water Remediation Technology.....	28
UTILITY BILLING SOFTWARE	
QS/1 Governmental Solutions.....	4
UTILITY MAPPING	
Utilities Protection Center.....	10
UTILITY SUPPLIES/AMR TECHNOLOGY	
United Utilities.....	29
VALVES & REGULATORS	
A.Y. McDonald Manufacturing Company.....	19
WASTEWATER TREATMENT PLANTS	
Smith & Loveless.....	6

WATER & WASTEWATER ENGINEERING & CONSULTING	
Brown and Caldwell.....	17
Burns & McDonnell.....	30
CTI Engineers, Inc.	18
G. Ben Turnipseed Engineers.....	30
Noren Products, Inc.	27
PBS&J.....	22
Williams, Sweitzer and Barnum, Inc.	28
WATER & WASTEWATER SUPPLIES	
Eco-Tech, Inc.	Inside Back Cover
WATER & WASTEWATER TREATMENT EQUIPMENT	
Filter Tech of GA, Inc.	13
ITT Water & Wastewater – Flygt Products.....	3
Noren Products, Inc.	27
USABlueBook.....	Outside Back Cover
WATER CONDITIONING & FILTRATION EQUIPMENT	
Filter Tech of GA, Inc.	13
WATER LOSS CONTROL	
b3o enviroTek.....	18, 28
WATER RESOURCE DEVELOPMENT	
Brown and Caldwell.....	17
WATER SYSTEM SECURITY	
Brown and Caldwell.....	17
WATER TANK CLEANING & REPAIR	
Pittsburg Tank & Tower Maintenance Company, Inc.	11
WATER TANK MAINTENANCE	
Pittsburg Tank & Tower Maintenance Company, Inc.	11
WATER TANKS	
Pittsburg Tank & Tower Maintenance Company, Inc.	11
WATER TOWER DEMOLITION	
Pittsburg Tank & Tower Maintenance Company, Inc.	11
WATER WELL RAHABILITATION	
Graves Water Services, Inc.	22
WATER WELL REHABILITATION/PUMP REPAIR & REPLACEMENT	
Greene's Water Wells, Inc.	10
WATER/WASTEWATER EQUIPMENT	
ITT Water & Wastewater – Flygt Products.....	3
Noren Products, Inc.	27
WATER/WASTEWATER TREATMENT EQUIPMENT	
Heyward Incorporated Atlanta.....	Inside Front Cover
WELL DRILLING	
Greene's Water Wells, Inc.	10
WELL SYSTEMS & EQUIPMENT	
Greene's Water Wells, Inc.	10



Ronald Warren
Vice President

Barry Hales
President

888-358-0815

WATER ASSET MANAGEMENT COMPANY

528 Almaville Road, Smyrna, TN 37167



**ENVIRONMENTAL
ENGINEERING**

- Water System Improvements
- Water Treatment Plants
- Raw Water Reservoirs
 - Water Lines
 - Sewerage System
- Improvements • Sewage Treatment Plants • Pump Stations • Sewer Lines

CIVIL ENGINEERING

- Site Development • Roads
- Storm Drainage • Hydrology Studies • Sanitary Landfills

**HYDRAULIC
ENGINEERING**

- H2O Net Water System Modeling • InfoSewer Modeling for GIS

ENGINEERING

- Computer Aided Design
- Economic Analysis
- Topographic Surveys • Energy Audits • Utility Mapping
 - Feasibility Studies
 - Utility Rate Studies

Atlanta

2255 Cumberland Parkway
Building 400
Atlanta, Georgia 30339
(770) 333-0700
(770) 333-0775 Fax

Augusta

4210 Columbia Rd., Building 3
Augusta, Georgia 30907
(706) 863-8800
(706) 860-0913 Fax

St. Simons Island

(912) 638-0900
www.gbtengineers.com

advertisers.com

A.Y. McDonald Manufacturing Company	www.aymcdonald.com	19
Allsouth Environmental Services, Inc.	n/a	24
b3o enviroTek	www.LocateUnderground.com	18, 28
BP Barber	www.bpbarber.com	24
Brockton Equipment/Spilldam, Inc.	www.spilldam.com	28
Brown and Caldwell	www.browncaldwell.com	17
Burns & McDonnell	www.burnsmcd.com	30
Carter & Sloope	www.cartersloope.com	8
CTI Engineers, Inc.	www.ctiengr.com	18
Cummins Power South, LLC	www.cumminspowersouth.com	11
Dexter Fortson Associates	www.dfa-inc.com	22
Eco-Tech, Inc.	www.eco-tech.net	Inside Back Cover
Filter Tech of GA, Inc.	www.filtertechofgeorgia.com	13
Ford Meter Box Company, Inc.	www.fordmeterbox.com	28
G. Ben Turnipseed Engineers	www.gbtengineers.com	30
Graves Water Services, Inc.	www.gravesenv.com	22
Greene's Water Wells, Inc.	www.greeneswaterwells.com	10
Heyward Incorporated Atlanta	www.heyward.net	Inside Front Cover
Infracore Consultants, Inc.	www.infracore-us.com	17
ITT Water & Wastewater – Flygt Products	www.flygtus.com	3
Keck & Wood	www.keckwood.com	28
L.F. Manufacturing, Inc.	www.lfm-frp.com	17
Leary Construction Co., Inc.	www.learycc.com	22
Navigation Electronics, Inc.	www.neigps.com	22
Noren Products, Inc.	www.norenproducts.com	27
PBS&J	www.pbsj.com	22
Pittsburg Tank & Tower Maintenance Company, Inc.	www.watertank.com	11
PMC Enterprises, Inc.	www.pmc enterprises.com	18
QS/1 Governmental Solutions	www.qs1gov.com	4
Reed & Shows Meter Repair & Supply Company	n/a	22
Revere Control Systems	www.reverecontrol.com	27
Sensus	www.sensus.com	6
Smith & Loveless	www.smithandloveless.com	6
Southeastern Tank	www.southeastertank.com	27
Sowega Chlorinator	n/a	22
SunCoast Learning Systems, Inc.	www.grwa.org	22
Tank Connection	www.tankconnection.com	12
Tank Pro, Inc.	www.tankproinc.com	17
Taylor Power Systems	www.taylorpower.com	12
Tech Coat, Inc.	n/a	18
United Utilities	www.carolinameter.com	29
USABlueBook	www.usabluebook.com	Outside Back Cover
Utilities Protection Center	www.gaupc.com	10
Utility Service Co.	www.utilityservice.com	Inside Back Cover
Water Remediation Technology	www.wrtnet.com	28
Williams, Sweitzer and Barnum, Inc.	www.wsbengineers.com	28



Water — it sustains you.

With more than a century of experience designing and building sustainable water/wastewater solutions for our clients, Burns & McDonnell is a partner you can trust.



1000 Mansell Exchange West
Suite 300
Alpharetta, Georgia 30022
www.burnsmcd.com/atlanta

*Engineering, Architecture, Construction,
Environmental and Consulting Solutions*



America's Tank Maintenance Company!



Utility Service Co., Inc. (USCI),

is the premier provider of professional water tank services:

- Maintains thousands of potable water tanks under full service asset management programs
- Provides funding and procurement for new tanks
- Furnishes site management services for antennas on existing and new tanks

A water quality management tool...



- Minimize organics
- Stabilize disinfectant residuals
- Eliminate thermal water stratification
- Maximize filter media efficiency

www.utilityservice.com

Call your local Utility Service Representative today.

Northern GA

Andy Tillman • 706.614.9463

atillman@utilityservice.com • Athens, GA

Lee Smallwood • 864.415.2388

lsmallwood@utilityservice.com • Bolling Springs, SC

Central & Southern GA

Charles Belcher • 478.951.3188

cbelcher@utilityservice.com

Kathleen, GA

YEAR-ROUND LAGOON NITRIFICATION

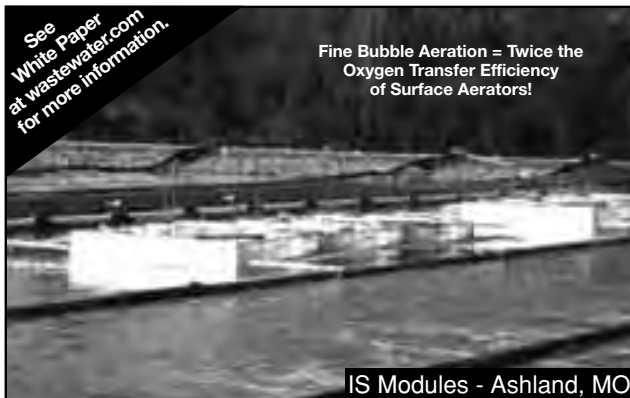
EDI is pleased to introduce an innovative approach to biological wastewater treatment that provides year-round nitrification in lagoon systems.

This unique system is specifically designed to provide a high level of treatment performance with minimal increases in operations or maintenance in comparison to conventional aerated lagoons. The ATLAS - IS (Internal Separator) system is the most cost effective solution available in the industry today when advanced treatment performance is required from a lagoon facility.

ATLAS-IS™

See White Paper at wastewater.com for more information.

Fine Bubble Aeration = Twice the Oxygen Transfer Efficiency of Surface Aerators!



IS Modules - Ashland, MO

- System Simplicity, Self Regulating, No Process Operator Interface Required
- Low Capital Cost
- Install in Existing Lagoons
- Maintains Existing Lagoon Solids Mgt. Program
- No Return or Waste Sludge Pumps
- Low Operating Cost
- Low Maintenance Req'ts



ENVIRONMENTAL DYNAMICS INC.

www.wastewater.com
DiffuserExpress.com



Represented by:

Eco-Tech, Inc.

156 Hickory Springs Industrial Drive

Canton, GA 30115

Phone: (770) 345-2118

Fax: (770) 345-2699

e-mail: btimmerman@eco-tech.net



EVERYTHING YOU NEED —

Your One-Stop Shop for Water & Wastewater Supplies

- Over 27,000 products in stock & ready to ship
- Expert technical support & personal customer service
- 100% money-back guarantee



Call & Request your **FREE** copy of our **NEW** Master Catalog #120

USA BlueBook[®]
Get the Best Treatment[™]
800-548-1234
www.usabluebook.com