



The Clarifier



A Utility Operations and Public Works Management Company

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Contact Us

We provide our clients with reliable solutions to their most complex challenges—helping to improve and sustain the quality of life in the communities we proudly serve.

Corporate Profile

ESG Operations, Inc. was established in 2003, and is one of the nation's fastest growing utility and public works management companies. ESG provides operations, maintenance and management of utility and public works systems along with a wide range of engineering consulting services.

We are here to serve you.

If you have questions regarding our services, please contact us at 478-474-5025.

Our goal is to make a measurable difference in every community we serve.

ESG Receives Industry Honor by Being Named Top 200 Environmental Firm in the Nation

Engineering-News-Record (ENR), a renowned and respected trade publication for the AEC (architecture, engineering and construction) industry worldwide named ESG one of the **Top 200 Environmental Firms in the U.S. for 2011**. Annually,



ENR compiles and publishes rankings, measured by gross revenues, of the largest engineering and construction firms in the nation. ESG was ranked #165 in the 2011 list of top firms across the country.

“ESG is proud to have earned this ENR ranking for 2011, and we attribute this prestigious honor to the dedication, commitment and hard work of all ESG staff and associates. We are committed to providing our clients with innovative, customized, cost efficient and sustainable solutions for today’s complex environmental and infrastructure challenges,” stated John Eddlemon, ESG’s Senior Vice President.

We are experiencing a great start to 2012 and look forward to this being another record year for our company. We commend ESG Teams across the Southeast for their continued commitment to excellence in every area of service and delivery.

Inside this issue

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It's natural for anyone trying to lose weight to want to lose it very quickly, but evidence shows that people who lose weight gradually and steadily (about 1 to 2 pounds per week) are more successful at keeping weight off. Healthy weight loss isn't just about a "diet" or "program". It's about an ongoing lifestyle that includes long-term changes in daily eating and exercise habits.

To lose weight, you must use up more calories than you take in. Since one pound equals 3,500 calories, you need to reduce your caloric intake by 500-1,000 calories per day to lose about 1 to 2 pounds per week.

Healthy Weight Loss

Darrel West
Corporate Safety Director

A Simple Step-by-Step Guide to Health and Fitness

STEP ①	Make a commitment
STEP ②	Take stock of where you are
STEP ③	Set realistic goals
STEP ④	Identify resources for information and support
STEP ⑤	Continually "check in" with yourself to monitor your progress

Once you've achieved a healthy weight, by relying on healthful eating and physical activity most days of the week (about 60-90 minutes of moderate intensity exercise), you are more likely to be successful at keeping the weight off over the long term.

Even Modest Weight Loss Can Mean Big Benefits

The good news is that no matter what your weight loss goal is, even a modest weight loss, such as 5 to 10 percent of your total body weight, is likely to produce health benefits, such as improvements in blood pressure, blood cholesterol, and blood sugars.

For example, if you weigh 200 pounds, a 5 percent weight loss equals 10 pounds, bringing your weight down to 190 pounds. While this weight may still be in the "overweight" or "obese" range, this modest weight loss can decrease your risk factors for chronic diseases related to obesity. So even if the overall goal seems large, see it as a journey rather than just a final destination. During the journey you'll learn new eating and physical activity habits that will help you live a healthier lifestyle. These habits may help you maintain your weight loss over time.

In addition to improving your health, maintaining a weight loss is likely to improve your life in other ways. For example, a study of participants in the National Weight Control Registry found that those who had maintained a significant weight loss reported improvements in not only their physical health, but also their energy levels, physical mobility, general mood, and self-confidence.

Losing weight is not easy, and it takes commitment. But if you're ready to get started, following a simple step-by-step guide will help get you on the road to weight loss and better health.



This is an exciting time to be an ESG Associate...

WELCOME NEW ASSOCIATES TO OUR CORPORATE TEAM

ACCOUNTING DEPARTMENT

We welcome **Cheryl Sexton**, Senior Accountant, to ESG Corporate Office. Cheryl brings a wealth of knowledge to our Accounting Department and has over 20 years experience in corporate accounting.

Cheryl loves horseback riding and water skiing. She is enjoying her new grandbaby, Piper, born last June.

CORPORATE RESOURCE TEAM

We also welcome **Mr. Don North** who joined ESG's Corporate Resource team in the fall of 2011 as a Water Operations Specialist. Don has been in the water and wastewater business for over 30 years. For 20 years he managed a groundwater system, multiple small and medium surface water systems, including an ultra-filtration membrane plant and multiple small wastewater systems. He has experience in iron and manganese removal, controlling DBPs, advanced treatment techniques and water management. He spent 12 years as the drinking water inspector for GA EPD where he reviewed plans, operational protocol and inspected water facilities throughout Georgia.



Don studied Civil Engineering and Health Systems at Georgia Tech and currently holds a Georgia Class 1 Water and Class 2 Wastewater license.

This is an exciting time to be an ESG Operations' employee as we find more ways to contribute to the promotion of a healthy life and culture for our employees and their dependents. We think it's important not only to attract and engage the most talented employees in our industry, but to provide them opportunities to take care of themselves and maintain the best health possible.

Over the coming months, we will be communicating with you about tools and resources available to help you manage your health. Some of these programs are with BC/BS and include:

- **ConditionCare programs**
- **24/7 NurseLine**
- **Future Moms**
- **MyHealth Assessment**
- **Healthy Living**
- **Anthem Care Comparison**

Please call Corporate Human Resources if you have any questions.



Debbie Linton, PHR
Human Resource and
Administrative Services Director

WATER PLANT EXPANSION NEARING COMPLETION

Spring will usher in an exciting and historical period for the Forsyth County community with the start up of the new water plant addition highlighting the most current technology in the water treatment industry.

Testing of equipment and operational process will begin by March which will also include ESG Associates receiving extensive training from GE WATER Field Service Technicians in the operation of membrane filtration system. In addition to membrane training, ESG Associates have been receiving training on the proper operation and maintenance on numerous critical process and facility equipment associated with the new plant. Two new additional Water Operator positions have been added to cover expanded work load.

Once the testing process is completed by the end of May, water customers will start reaping the benefits of the years of careful planning it took to bring this plant addition to life by Forsyth County.

ESG is excited in the role our Associates and Company will play in the operation and management of this new addition.

ESG/FORSYTH ADDS WASTEWATER PLANT

The Forsyth Project added another wastewater plant to the current O&M contract. The facility, James Creek, is a Kubota membrane with a 1 MGD permitted flow. All effluent from this facility is used completely for reuse.

This membrane facility uses gravity to filter a mixed liquor concentration of 10,000-13,000 through the membranes to produce an effluent free of bacteria and an effluent with a 0 TSS.

When the facility was added, we needed to find a quality operator to take on the task of learning the operations of the facility. On November 3, **Wayne Barrett** was hired for this task. In addition to learning James Creek's process, he took on the



12 MGD Plant Expansion • Forsyth County



Membrane Building Pump Room



Forsyth County's James Creek WWTTP

duties of the weekly permitted lab tests for all facilities. Wayne is a certified Wastewater Lab Analyst and within the first month of employment, he acquired his Class I Wastewater certification.

The ESG/Forsyth Team continues the endeavors of operating the other four County facilities, keeping the equipment maintained, and tackling any issue before it becomes a serious problem.

CHEMICAL TREATMENT PROGRAM AND WATER/SEWER RIGHT OF WAYS RESULT IN **COST SAVINGS** TO CITY



Meet ESG Associate Brian Thompson

Our employee spotlight at ESG/Vidalia is **Brian Thompson**. Brian began his career in Vidalia in June 1996, as a utility worker at the Southside LAS WWTP. Since that time, Brian has progressed his career working as a C&D operator, C&D foreman, and is currently serving as C&D supervisor.

Brian and his wife Michele enjoy hunting, fishing, and spending time with their nieces and nephews. Brian also coaches football and baseball with the Vidalia Recreation Department, and enjoys playing softball when his schedule allows.



The program for maintaining spray laterals saved ESG and the City of Vidalia approximately \$3,600 in associated costs

ESG/Vidalia implemented a chemical treatment program at the LAS and water/sewer right of ways to reduce costs associated with mowing spray laterals and ROWs. At the LAS, costs were reduced by spraying all of the spray head laterals with herbicide treatment. This reduced fuel consumption, tractor/mower wear, spray head damage, and the labor associated with the mowing operations. The program for maintaining spray laterals saved ESG and the City of Vidalia approximately \$3,600 in associated costs.

The water/sewer ROWs have been historically maintained each year during the winter months by utilizing prison detail labor. During this past fall, the ESG/Vidalia secured a skid steer machine with a mower deck in order to cut vegetation and prepare the ROWs for chemical treatment. This allowed the prison labor to maintain other interests for the City and allows for regular assessments and maintenance of ROWs.

SIGNIFICANT ACCOMPLISHMENTS OF ESG/VIDALIA TEAM MEMBERS

We congratulate these ESG/Vidalia Team Members on these recent significant accomplishments

April Causey

Obtained her Wastewater Lab Analyst License

James O'Neal

Obtained his Water Distribution License and was also awarded the City Manager's Award from the City of Vidalia



CONGRATULATIONS ESG/Vidalia's Water System received **GAWP Safety Award**

TEAM WAKULLA PROVIDES CRITICAL EMERGENCY RESPONSE ASSISTANCE IN LOCAL BRIDGE ACCIDENT



On Saturday, December 10, 2011, ESG was called into action when a local resident was driving his loaded dump truck northbound on Highway 375 (Smith Creek Road) when his right front tire struck the bridge and crashed through the bridge guardrail into the river. The victim was hauling dirt at the time of the accident and dropped approximately 20 feet, nose first, into the bank of the river.

ESG associates assisted as there was diesel fuel and hydraulic oil leaking into the river, a damaged bridge that needed to be closed and assessed, a detour established, a dump truck to recover, and a longtime friend to all who was pinned in the truck with numerous injuries.



Project Manager Cleve Fleming and Project Engineer Brent Pell assisted the Wakulla County Sheriff's Department, Wakulla County Administrator David Edwards, the State of Florida Emergency Response Team (SERT), Wakulla EMS, Tallahassee Firefighters and HazMat Team, Wakulla County Firefighters, Sopchoppy Firefighters, Florida Fish and Wildlife Conservation Commission, and Jackson Cook Crane Company. Additional ESG employees who were called out to assist were Neil Watts and Marvin Lee.

By the end of the day, Mr. Pigott (truck driver) was being treated in the hospital for multiple broken bones (but no life threatening injuries), the hazardous materials had been contained, the bridge was closed and a detour route had been established and set up, and the crane company had retrieved the truck.



After a thorough bridge inspection was performed by David Volkert and Associates, ESG/Wakulla received direction to make emergency repairs to the damaged guardrail to allow local traffic to cross the bridge. Always conscious of the fiscal restraints of the County, ESG/Wakulla set out to do what they do best—**figure out how to do something with nothing!** The Road and Bridge Department recovered a previously discarded guardrail to make the emergency repairs. They were able to do all of the work themselves, once again saving our client thousands of dollars.



A special thank you to the following employees who assisted with the reconstruction of the guardrail, in what has turned out to be one of the coldest days of the winter: **Marvin Lee, Don Kemp, Neil Watts, Bubba Dempsey, Dennis Pearson, Adam Parda, Mike King, Kenny Taylor, Dale Mayfield, Scott Jamison and James Johnson** (former temp).



ESG/WAYCROSS RECENT PROJECT HIGHLIGHTS AND ACCOMPLISHMENTS

■ **Suwanee Drive Sewer Rehabilitation.** Our C&D crews have been manually evacuating three blocks of 8” sewer line—this extreme task was undertaken at the request of the client in order to enable the City to acquire an emergency evaluation and bid of this extensive sewer rehab job. This task was accomplished with zero spills occurring.

■ ESG/Waycross participated in the review and selection of contractors to produce a **“Watershed Assessment” program.** The recommended consultant will save the City over \$40,000 in fees to complete this study.

■ **Solids Sludge Cost.** The Waycross Team has reduced our solids handling costs by monitoring and adjusting belt speed, polymer rates, and quantities hauled. This modified approach has yielded a solids content that resulted in 17%, which is up from 15% previously obtained.

■ ESG/Waycross has also adjusted some of the structure access at the WWTP grit removal system so that preventative maintenance can now be accomplished without the need for renting a contractor’s boom truck. **This will save approximately \$2,500 per year in rental costs.**

■ A **Waycross C&D/Maintenance Team** was recognized by our client for the installation (on very short notice) of 40 feet of C900 6-inch water main. This task ensured the residents on this City street access to their driveways with no interruptions. The team approach was commended by City inspectors who needed this completed during construction of sewer main services.

upcoming project goals

- The Waycross Team will be focused on “Revenue Enhancement Programs” for our client over the next few months. Teaming up with Corporate Resources has proven effective in identifying and making recommendations in the areas of:
 - Sewer surcharges
 - Leachment treatment costs
 - Power consumption
 - Water/sewer taps
- We will also be progressing through the City’s New Deep Well Project to enable our community to buffer water capacity to meet long-term demands.
- We continue to improve safety via use of sharing equipment and repetitive reviews of our Safety Programs.





UNADILLA TEAM CONTINUES TO PROVIDE OUTSTANDING SUPPORT TO THE CITY



Natural Gas Training

- All associates were recently provided natural gas training.
- Due to drought conditions in 2011, the Unadilla Team is working with the City's Engineer to select a new site for a larger potable water well. This will provide an adequate water supply to City residents.
- The ESG/Unadilla Team continues to make water and sewer improvements throughout the City.
- ESG/Unadilla Staff assisted with the installation and removal of all holiday lights throughout the City.

Team Unadilla is working with the City's Engineer to select a new site for a larger potable water well providing an adequate water supply to City residents



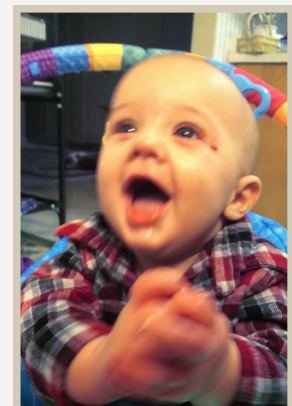
Second Street Sewer Extension
Jarod Noble, Tracy Fluellen and Terry Lester

FAMILY NEWS FROM ESG/UNADILLA



ESG/Unadilla Associate Tracy Fluellen installs City Christmas lights

New addition to the Noble Family. ESG associate **Jarod Noble** and his wife Elizabeth welcomed new son, Carson Terrance Noble, (pictured at right) on September 2, 2011. Congratulations to Jarod and Elizabeth.



Demetrui Felder Recognized by the ROTC. **Teriano Felder's** son, Demetrui, was recently recognized by the ROTC for his marksmanship skills. Congratulations, Demetrui!

Treatment Plant Operator Magazine Features Team Perry's Creative and Innovative Nature Walk at Perry's WWTP

What began as a simple plan to upgrade the landscape and beautify the surroundings of the wastewater treatment plant in Perry, Georgia has developed into a creative and innovative Nature Walk for all to enjoy. "The whole idea started slowly with a brainstorming session," says plant operator **Brandon Lewis**. "Our assistant plant manager, **Chad McMurrian**, is very artistic and paints as a hobby. He got things rolling by first painting a canvas that depicts our main operations building." McMurrian has since painted characters Mario and Luigi of Nintendo fame on 2-by 3-foot wooden cutouts that are post mounted along the beautiful nature trail that meanders through some 200 yards of magnolias, oaks, birches, maples and other natural growth to the plant's receiving stream, Big Indian Creek. Creativity and innovation also helped fund the project because no direct dollars were spent to acquire products or labor. We congratulate **Sharon Perry**, Project Manager, and the entire **Perry Team** for their commitment to the community and the environment.

"The purpose of the nature trail is to entertain visitors to the plant, educate the public about the wastewater process, and build awareness of the environment. The plant staff conducts tours often for the general public and for students at local schools."

"We're proud of our job and we want the citizens to know what we are doing for them and the environment."

**— Brandon Lewis
Plant Operator**



TEAM OPELIKA

Welcome **New** Team Opelika Associates

We are happy to welcome the following new associates to Team Opelika and the ESG Family:

- **Johnny Hamby** • Crew Leader
- **Rutledge NeSmith** • Utility Technician
- **Ray Richard** • APM
- **Robert Swader** • Equipment Operator



In November, a tornado swept through Opelika. The damage was fairly extensive in some areas with one of our newest lift stations being severely damaged. Team Opelika crews worked tirelessly to help clear streets and restore power to affected communities.



In December, ESG presented the City of Opelika with a rebate check for 2011 in the amount of \$113,112.08. This was the sixth consecutive year that a maintenance rebate has been returned to the City.

Pictured: Mayor Gary Fuller, Dan Groselle, John Eddlemon, Clay Sykes and Mike Hilyer.

TUPELO

MISSISSIPPI'S "ALL AMERICA CITY"



ESG/Tupelo has added a Ford Minivan to its fleet. The minivan has been placed in service in capacity of Industrial Monitoring. ESG/Tupelo's IM Technician and Class IV Wastewater Operator, Christopher Holloway, is pictured with the vehicle.

FAMILY NEWS from TUPELO

Congratulations and accolades to Rachel Ray Idol, daughter of **Lab Technician Linda Tutor**, who graduated from college with a 4.0 GPA and was valedictorian of her graduating class. Rachel is now attending the Medical University of South Carolina pursuing a Master's degree.

Paula Dozier, daughter of **Operator Tim Foster**, has graduated with a 4.0 from Itawamba Community College with a degree in nursing. Paula now works as a registered nurse in pediatrics with North Mississippi Medical Center.

Adrianna Nichole West, daughter of **Mechanic Barry West**, graduated with a 4.0 GPA and valedictorian of Moorville High School. At the annual meeting of the Mississippi Water and Pollution Control Operator's Association (MWPCOA), Adrianna was awarded a special scholarship. She is now pursuing a degree in physical therapy.

Welcome **New** Tupelo Associates

- **Operator David Nelson** • Operations Staff
- **Mechanic Ray Manning** • Maintenance Staff



ROCKDALE WATER RESOURCES



The ESG/Rockdale Team congratulates **Joe Deputy** who recently received his Georgia Wastewater Class 2 License. Great job, Joe!

UPCOMING PROJECT GOALS

Plant of the Year Awards for Quigg Branch, Almand Creek and Scott Creek

In-house Refurbishment of Belt Press #2

IN-HOUSE REFURBISHING AT QUIGG BRANCH SAVES ROCKDALE OVER \$13,000

The Quigg Branch Belt Press was recently refurbished in-house by the ESG/Rockdale Team and completed three weeks ahead of schedule, saving Rockdale County Water Resources \$13,750. Over \$25,000 of parts were replaced during the refurbishment. Everyone at Quigg played an important part in “keeping operations running smoothly” while this project was underway. Also, major aerator bearing replacement at the Quigg Wastewater Plant utilized new overhead lift equipment. ESG/Rockdale is also proud to announce that they have qualified for Gold Awards for all five Rockdale County facilities.



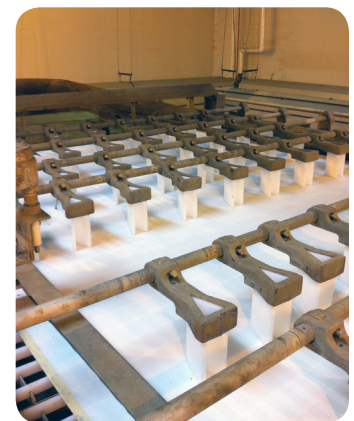
Rockdale's "Rivers Alive" Clean Up Event • October 2011

ESG is happy to provide food for this annual event. Pictured above are John Thompkins and Daryl Waits



Belt Press Rehab Project

Pictured are David Garner, Tony Garcia and Jonathan Doughty



Completed Belt Press #1 Rehab

ESG Launches Website Redesign with Enhanced Features

The newly redesigned website of ESG Operations, Inc. was launched in January 2012. The new website features expanded content, including Project Profiles highlighting ESG

partnerships across the Southeast, the latest news and up-to-date information, and an area to search all current job openings within the company. The new website incorporates ESG's corporate colors, new graphics, and project photographs along with new and improved navigational tools.

The ESG Marketing Team coordinated the redesign project and worked with web designers and other ESG staff for over a year to develop a website that would support our mission and be informative and engaging to our client/partners, our associates, and visitors who are interested in learning more about ESG. "We are excited and very pleased with the new website and look forward to it being another resource for our clients and associates.



Fast Facts

Headquarters
Macon, Georgia

Number of Employees
Over 300

Offices
12 offices across
the Southeast

Services
Water and Wastewater
Management
Public Works Management
Design-Build-Operate

History
Established in 2003
by cofounders,
Clay Sykes and Dan Groselle,
who set out to build a premier
utility operations company
based on the simple principle,
"People deliver services,
not companies."

What we do is not unusual.
The way we do it is.



Partnering to Meet the Demands
of Today and the Challenges
of Tomorrow

