

**NEW  
SCHEDULE!**

# 2010

## Training



**Georgia Rural Water Association  
Register Now! - Space is Limited!**

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# 2010 TRAINING SCHEDULE

## **Activated Sludge Process Control**

... Helen: January 19, 2010

Helen City Hall

... Statesboro: June 7, 2010

Statesboro Wastewater Plant

## **Activated Sludge Process**

### **Optimization**

... Cumming: March 30 - April 1, 2010

Advanced Water Reclamation Facility

... Augusta-Richmond: September 8 - 10, 2010

Wastewater Treatment Plant

## **Advanced Water I**

... Gainesville: February 16 - 18, 2010

Riverside Water Treatment Plant

... Atlanta: May 11 - 13, 2010

Atlanta Water Bureau Training Center

... DeKalb County: September 14 - 16, 2010

Scott Candler Water Treatment Plant

## **Advanced Water II**

... Gainesville: March 23 - 25, 2010

Riverside Water Treatment Plant

... Atlanta: June 22 - 24, 2010

Atlanta Water Bureau Training Center

... DeKalb County: October 12 - 14, 2010

Scott Candler Water Treatment Plant

## **Applied Utilities Math**

... Braselton: April 13 - 14, 2010

Braselton Municipal Building

... Atlanta: September 8 - 9, 2010

Atlanta Water Bureau Training Center

## **Backflow Testers' Training**

... Port Wentworth: March 22 - 26, 2010

Port Wentworth Community Center

... Henry County: May 10 - 14, 2010

Tussahaw Water Treatment Plant

... Atlanta: August 16 - 20, 2010

Atlanta Water Bureau Training Center

... Tifton: October 4 - 8, 2010

Tifton Utility Building

## **Backflow Recertification Review**

... Cumming: February 8, 2010

Advanced Water Reclamation Facility

... Port Wentworth: March 25, 2010

Port Wentworth Community Center

... Henry County: May 13, 2010

Tussahaw Water Treatment Plant

... Atlanta: August 19, 2010

Atlanta Water Bureau Training Center

... Tifton: October 7, 2010

Tifton Utility Building

## **Basic Math**

- ... Atlanta: February 9, 2010  
Atlanta Water Bureau Training Center
- ... Fort Valley: November 1, 2010  
McLean Water Treatment Plant

## **Basic Wastewater**

- ... Barnesville: January 25 - 29, 2010  
Barnesville Civic Center
- ... Gainesville: April 26 - 30, 2010  
Flat Creek Water Reclamation Facility
- ... Tifton: June 21 - 25, 2010  
Tifton Utility Building
- ... Helen: August 9 - 13, 2010  
Helen City Hall
- ... Port Wentworth: September 13 - 17, 2010  
Port Wentworth Community Center
- ... Augusta-Richmond: December 6 - 10, 2010  
Wastewater Treatment Plant

## **Basic Water**

- ... DeKalb County: February 22 - 26, 2010  
Scott Candler Water Plant
- ... Port Wentworth: April 12 - 16, 2010  
Port Wentworth Community Center
- ... Ellijay: June 7 - 11, 2010  
Ellijay-Gilmer County WSA Office

## **Basic Water Continued**

- ... Augusta-Richmond: August 9 - 13, 2010  
Max Hicks Water Treatment Plant
- ... Helen: October 4 - 8, 2010  
Helen City Hall
- ... Henry County: December 6 - 10, 2010  
Tussahaw Water Treatment Plant

## **Class IV Wastewater**

- ... Tifton: November 3, 2010  
Tifton Utility Building

## **Class IV Water**

- ... Savannah: January 12, 2010  
Coastal Georgia Center
- ... Dawson: March 9, 2010  
Hooks Hanner Environmental Center
- ... Dalton: May 4, 2010  
NW GA Trade & Convention Center
- ... Barnesville: June 21, 2010  
Barnesville Civic Center
- ... Athens: September 1, 2010  
Athens Holiday Inn
- ... Waycross: November 2, 2010  
Southern GA Regional Commission
- ... Barnesville: December 1, 2010  
Barnesville Civic Center

## **Confined Space Entry & Program Development**

- ... Monroe: April 12, 2010  
Monroe Training Fac. - Jack's Creek WPCP
- ... Dawson: November 4, 2010  
Hooks Hanner Environmental Center

## **Distribution System O & M**

- ... Braselton: March 15 - 18, 2010  
Braselton Municipal Building
- ... Atlanta: May 24 - 27, 2010  
Atlanta Water Bureau Training Center
- ... Barnesville: August 2 - 5, 2010  
Barnesville Civic Center
- ... Atlanta: October 18 - 21, 2010  
Atlanta Water Bureau Training Center
- ... Columbia Co: December 6 - 9, 2010  
Columbia Co Water Utility Training Facility

## **Hydrogen Sulfide Prevention & Corrosion Control**

- ... Calhoun: February 16, 2010  
Calhoun Utilities Building
- ... Columbia Co: February 22, 2010  
Columbia Co Water Utility Training Facility
- ... Waycross: May 20, 2010  
Southern GA Regional Commission

## **Minimizing Sewer Blockages & Grease Nuisances**

- ... Warner Robins: November 2, 2010  
Sandy Run Wastewater Plant

## **Pump Maintenance, Trouble Shooting & Efficiency**

- ... Barnesville: March 15, 2010  
Barnesville Civic Center
- ... Helen: April 15, 2010  
Helen City Hall
- ... Chatsworth: June 18, 2010  
Chatsworth Water Works Commission
- ... Monroe: August 6, 2010  
Monroe Training Fac. - Jack's Creek WPCP
- ... Atlanta: November 15, 2010  
Atlanta Water Bureau Training Center

## **Wastewater Collection O & M**

- ... Cumming: February 9 - 12, 2010  
Advanced Water Reclamation Facility
- ... Fort Valley: May 24 - 27, 2010  
McLean Water Treatment Plant
- ... Gainesville: October 12 - 15, 2010  
Flat Creek Water Reclamation Facility
- ... Calhoun: December 14 - 17, 2010  
Calhoun Utilities Building

## **Wastewater Lab For Analysts & Operators**

... Augusta-Richmond: February 23 - 26, 2010

Wastewater Treatment Plant

... Gainesville: August 2 - 5, 2010

Flat Creek Water Reclamation Facility

## **Wastewater Treatment Facility**

### **Optimization**

... Athens: January 20 - 22, 2010

Bobby M Snipes Water Resource Center

... Port Wentworth: June 8 - 10, 2010

Port Wentworth Community Center

... Columbia Co: November 8 - 10, 2010

Columbia Co Water Utility Training Facility

## **Water and Wastewater Facility & Laboratory Safety**

... Dawsonville: March 29, 2010

Dawsonville Municipal Complex/City Hall

... Dawson: September 2, 2010

Hooks Hanner Environmental Center

## **Water & Wastewater Utilities Management & Supervision**

... Atlanta: February 17 - 19, 2010

Atlanta Water Bureau Training Center

... Fort Valley: August 30 - September 1, 2010

McLean Water Plant

... Atlanta: October 27 - 29, 2010

Atlanta Water Bureau Training Center

## **Water Laboratory for Analysts & Operators**

... Henry County: March 16 - 19, 2010

Tussahaw Water Treatment Plant

... Augusta-Richmond: June 29 - July 2, 2010

Utilities Offices & Lab - Central Avenue

... Gainesville: November 16 - 19, 2010

Flat Creek Water Reclamation Facility

**Water...Our Most Precious Natural Resource**

## ONLINE TRAINING

GRWA currently offers online training courses for enrichment and recertification credit. These courses are available from SunCoast Learning Systems, Inc. Visit our website ([www.grwa.org](http://www.grwa.org)) for more information on course content, cost, and how-to access the training courses. The following courses are currently offered:

- ... Basic Environmental Chemistry
- ... Water Utility Calculations / Math
- ... Chlorination Systems and Chemical Handling
- ... Water Utility Safety
- ... Corrosion Control Treatment Optimization

### *Reimbursement Opportunity!*

Did you know that **Community Water Systems (CWS)** and **Nontransient Noncommunity Water Systems (NTNCWS)** **servicing a population of 3,300 persons or fewer** may be eligible for reimbursement of the expenses related to drinking water operator training, certification, and re-certification? Reimbursement is available through the **Operator Certification Reimbursement Program** administered by the **Georgia Environmental Protection Division** of the Department of Natural Resources. Eligible expenses include drinking water operator certification/re-certification training through classes or conferences, mileage to and from training and licensing examination sites, and licensing-related fees such as examination application, examination fee, wall certificate fee, and duplicate ID card fee.

**Please visit the GA EPD website at [http://www.gaepd.org/Documents/op\\_cert.html](http://www.gaepd.org/Documents/op_cert.html) or call the EPD Drinking Water Program at 404-656-4807 for further details.**

# COURSE DESCRIPTIONS

## WATER TRAINING

### **Advanced Water Treatment I & II (48 contact hours)**

This course is conducted in two 24-hour segments (**Advanced Water I and Advanced Water II**) and is designed for experienced operators preparing to take the Class II and Class I Certification Exams. Conventional water treatment, groundwater plant operations, advanced math, rules and regulations, laboratory procedures, supervisory practices, etc. will be emphasized.

### **Basic Water Treatment (40 contact hours)**

This training helps prepare new operators for the Class III Certification Exam. Topics include rules and regulations, surface and groundwater sources, unit process control, basic math, simple laboratory control tests, safety and maintenance.

### **Small Water System Class IV Training (6 contact hours)**

The Georgia Board of Examiners for Certification of Water and Wastewater Treatment Plant Operators and Laboratory Analysts has developed training and certification requirements for public ground water systems serving populations less than 1000. This training helps prepare operators for the Class IV Certification Exam.

### **Water Distribution Systems (27 contact hours)**

This training helps prepare students for the certification exam focusing on a variety of subjects including piping material and specifications, construction procedures, storage facilities, disinfection, repairs, backflow prevention, meters, pumps, valves, basic math, safety, etc.

### **Water Laboratory for Analysts and Operators (27 contact hours)**

This laboratory course is an in depth study of the basic introduction and theory of the chemistry and microbiological analysis of water. The twenty seven (27) hour course is designed to train the personnel in the proper and safe use of laboratory apparatus and equipment necessary to perform tests required to provide safe drinking water. The course will cover all need to know material required to prepare reagents, take samples, and perform process, quality control, and compliance testing.

## BACKFLOW TRAINING

### **Backflow Prevention Assembly Testers' Certification Training (32 contact hours)**

This training session meets all State of Georgia and American Backflow Prevention Association (ABPA) Standards and *prepares* students with information, training and hands-on practice opportunities to become a Certified Backflow Prevention Assembly Tester. The Manual of Cross Connection Control, Ninth Edition, handout supplements and visual aids are used. The course focuses on the hazards of cross-connections, operating fundamentals of tested devices, basics of cross-connection inspections, customer relations and legal aspects of backflow assembly testing. The certification and renewal is administered for EPD by GAWP. For exam schedule, registration and renewal forms see [www.gawp.org](http://www.gawp.org).

### **Backflow Testers' Review and Update (12 contact hours)**

This session is provided to provide testers' knowledge in the most current approved testing procedures, regulatory concerns, while fulfilling backflow specific recertification training requirements for Backflow Testers' Certification Renewals.

## WASTEWATER TRAINING

Our “Advanced Courses” have been modified into 24 hour modules, in effort to better accommodate your requests. This will allow your course selections, as you prepare for Certifications, to more effectively reflect your specific training needs and interests. Courses below, not designated as Basic or Advanced, are also offered for your professional enrichment and to aid in fulfilling recertification point requirements. All Course Curricula reflect latest available “Needs-to-Know,” distributed through our Georgia State Certification Board.

### **Basic Wastewater (40 contact hours) *Basic***

This course is designed to give the entry level operator exposure to a variety of treatment systems. Course topics include: basic math, nature of solids, collection system design and usage, biology of wastewater treatment, secondary treatment, disinfections, solids handling, basic process control, maintenance and pumps.

### **Wastewater Collection Systems (27 contact hours) *Basic***

This training helps prepare operators for the certification exam. Topics include design, types of system design, types of collection systems, the nature of wastewater, maintenance of the collection system, inspection procedures (video testing, lamping testing, smoke testing, and pressure testing), pumps, lift stations and basic math.

### **Activated Sludge Process Optimization (24 contact hours) *Advanced***

The rest of the story – beyond typical advanced wastewater module training; a focused program of classroom and hands-on training providing the skills necessary for you to facilitate evaluating and optimizing your specific activated sludge treatment plant operations. Based on the concepts developed by Dr. Al West (former Director of EPA’s R&D Center) – settleometer, centrifuge, mass balance, microscopic examination, OUR, and expounded through the course text,

Tom Hobson’s, Activated Sludge, Evaluating and Controlling Your Process. Topics include Optimizing Reactor Environments, Solids Inventory Control, Loading & Nutrient Balance, Promoting Process Responses through Applied System Pressures, and Minimizing Process Inhibition. General knowledge is also pertinent to “SBR” systems.

### **Solids Management and Process Optimization - Water and Wastewater (24 contact hours) *Advanced***

Treatment Residues, both water and wastewater, constitute organic and non-volatile, pollutants and contaminants. The sheer strength of these constituents greatly magnifies the complexity and expense of their treatment and disposal. This course focuses on techniques to optimize relevant processes for solids thickening, stabilization, dewatering, and disposal, as well as, proactive considerations to minimize residue production and handling.

### **Tertiary Treatment & Nutrient Removal (24 contact hours) *Advanced***

These three days encompass the advanced methodologies utilized to accomplish treatment effluent requirements beyond typical secondary levels. Filtration – Adsorption & Absorption, Coagulation/Flocculation–Sedimentation, Dissolved Air Flotation, Odor Control, Ion Exchange and Electrodialysis, Residuals Management, Nutrient Removal – Nitrification & Denitrification, and Phosphorous (both Biological & Physical/Chemical removal), and Recycle Waste-stream Minimization are a partial listing of the components and concepts addressed.

### **Wastewater Laboratory for Operators and Analysts (24 & 27 contact hours) *Advanced & Laboratory Analysts***

This comprehensive combination of classroom instruction and hands-on training, utilizes an active, functional, analytical laboratory environment. Knowledge encompasses general chemistry, microbiology, sampling & preservation techniques, standardization and instrument calibration, analytical procedures, record keeping, quality assurance & control, and safety.

### **Wastewater & Wastewater Treatment Facility Optimization (24 contact hours) *Advanced***

This course is a developmental continuation of the “Basic Wastewater,” curriculum foundation. In the basic course, the student learns the terminology and process relationships of wastewater treatment. In this course, individuals progress through an inclusive treatment system; determining unit loadings, performing applicable laboratory calculations, using process control formulae, and facilitating the optimization of each operational component found within typical preliminary, primary, secondary, and solids handling systems.

### **Water and Wastewater Utilities Supervision and Management (24 contact hours) *Advanced***

A practical approach to management, the student learns the basics of management, planning and time management, organizing, staffing and directing personnel. The course consists of lecture, group activities and group interaction. This course may be taken by either water or wastewater treatment plant operators.

### **Basic Industrial Wastewater Treatment (27 contact hours) *Basic***

This course is based on the physical/chemical treatment processes utilized to treat industrial wastes. Topics include: unit process theory of operation, process relationships, coagulation, flocculation, sedimentation, filtration, basic and applied math concepts, metals waste treatment, neutralization, control systems, instrumentation and 40 CFR.

### **Wastewater Stabilization Ponds Class IV Certification Training (8 contact hours)**

This course was developed to prepare small pond system operators to make competent process control decisions and research problems affecting treatment. Topics include: pond system design, basic biology of treatment, troubleshooting vs. process optimization, group activities, troubleshooting system problems using case studies and group discussions.

## **MATH TRAINING**

### **Applied Math (12 contact hours) *Advanced***

An extended program that provides the opportunity for more industry specific math applications than just formula/concept exposure. Completion of Basic Math is a prerequisite.

### **Basic Math (8 contact hours for Enrichment/Recertification Only)**

This workshop is designed to help operators become acquainted with general math concepts. Topics include: math - no fear, how to set up a problem, how to use word problems and how to perform basic calculations required around the plant. This course may be taken by either water or wastewater operators.

## **SPECIALIZED TRAINING (For Enrichment/Recertification Only) Confined Spaces (6 contact hours)**

This course is designed to provide the person entering confined spaces with the necessary information they need to enter confined spaces safely. Topics include: OSHA requirements for permitting confined spaces, safety equipment, team development and entry and exit procedures using OSHA approved tripod, harness and breathing apparatus.

### **Hydrogen Sulfide Prevention & Corrosion Control (6 contact hours)**

Very possibly the weakest link in our wastewater infrastructure preservation, corrosive properties of H<sub>2</sub>S and pH extremes demand unfathomable expenditure\$ in system restoration and revitalization. This Workshop addresses both preventative and proactive approaches to monitor and minimize the formation, destructive effects, and the undesirable odors of these noxious gases.

**Industrial Pretreatment Facility Inspection (12 contact hours)** This comprehensive curriculum offers a professional approach to industrial customer relations and pretreatment inspection. Topics include regulation, permitting, inspection techniques, sampling and preservation, flow monitoring, reporting, enforcement, and an overview of various industrial treatment processes.

## **SPECIALIZED TRAINING**

### **(For Enrichment/Recertification Only)**

#### **Confined Spaces (6 contact hours)**

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#### **Industrial Pretreatment Facility Inspection (12 contact hours)**

This comprehensive curriculum offers a professional approach to industrial customer relations and pretreatment inspection. Topics include regulation, permitting, inspection techniques, sampling and preservation, flow monitoring, reporting, enforcement, and an overview of various industrial treatment processes.

#### **Minimizing Sewer Blockages & Grease Nuisances (6 contact hours)**

Utilizing historical service records, enforcement of existing Sewer Use and Grease Management Ordinances, and preventive maintenance techniques are all integral parts of a program to minimize sewer blockages, damage claims, and poor customer relations. Focusing on these along with a discussion of customer communications techniques can reduce both customer inconvenience and utility liability.

#### **Natural Treatment Process (12 contact hours)**

This new course has been developed to fulfill your specific requests; providing relevant training for operators in the widely utilized natural wastewater treatment processes, as well as guidance to facility designers. Although focused on the needs of operator knowledge and certification, addressing operation, maintenance, process optimization and troubleshooting; we will also address these processes from a design approach: evaluating process loading, design, providing system operational flexibility, and vegetation selection concepts. We will be studying processes like waste stabilization/oxidation ponds - aerobic, anaerobic, and facultative - holding and equalization structures, varied types of land application, vegetation, utilization, and irrigation methods, and many facets of constructed wetland design and operation.

#### **Pump Maintenance, Troubleshooting, and Efficiency (6 contact hours)**

This one day course is an overview of preventive and predictive maintenance techniques promoting unit dependability; such as lubrication, alignment, amperage & temperature monitoring, circuit “megging.” Applied hydraulics, useful in identifying and resolving unit malfunctions, as well as methods of maximizing unit efficiency and evaluating symptomatic bearing “failures,” provide tools for equipment failure reduction.

#### **SBR Process Optimization (12 contact hours)**

*The Sequential Batch Reactor (SBR)* process depends upon the same treatment steps as a conventional activated sludge process; but utilizes a batch tank and sequences its environmental stages through physical and mechanical variations. Although physically restrictive, this allows a unique flexibility for process optimization, nutrient removals, biological and physical optimization pressures and adaptations. This course will explore these and thereby facilitate the proactive evaluation and control of plant specific conditions.

#### **Trenching “Competent Person” Training Workshop (8 contact hours) *Basic***

This training covers the OSHA Trenching & Excavation Safety Regulations. Topics include an overview of current standards, sloping requirements and/or options, use of tabulated data, requirements for protective systems, soil classification and hazardous atmosphere.

#### **Water & Wastewater Facility & Lab Safety (6 contact hours)**

Promoting safety not only enhances staff “Quality of Life” and minimizes personal discomfort, but has been proven to improve the productivity and general unity of the organization. These reflect the goals of this overview of safety concerns, proactive accident prevention, relative laws, and information sources.



# AT-A-GLANCE 2010 TRAINING SCHEDULE FOR GEORGIA RURAL WATER ASSOCIATION

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

DATE	COURSE TITLE	HOURS	DAYS	CE POINTS	COST (\$)	LOCATION
<b>JANUARY</b>						
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
<b>FEBRUARY</b>						
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
<b>MARCH</b>						
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

**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



# AT-A-GLANCE 2010 TRAINING SCHEDULE FOR GEORGIA RURAL WATER ASSOCIATION

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

DATE	COURSE TITLE	HOURS	DAYS	CE POINTS	COST (\$)	LOCATION
<b>MARCH continued</b>						
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
<b>APRIL</b>						
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
<b>MAY</b>						
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	For info see page 15	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

**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



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

DATE	COURSE TITLE	HOURS	DAYS	CE POINTS	COST (\$)	LOCATION
<b>JUNE</b>						
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
<b>JULY</b>						
<b>AUGUST</b>						
2 - 5	Wastewater Lab for Analysts & Operators	27WWLab/24AWW	3.5	12	305	Gainesville
2 - 5	Distribution System Operation & Maintenance	27DIST	3.5	12	295	Barnesville
6	Pump Maintenance, Troubleshooting, & Efficiency	6CE	1	6	115	Monroe
9 - 13	Basic Water	40BW	5	12	395	Augusta
9 - 13	Basic Wastewater	40BWW	5	12	395	Helen
16 - 20	Backflow Testers' Training	32BFP	5	12	395	Atlanta
19	Backflow Recertification Review	6BFP	1	6	140	Atlanta
30 - Sep. 1	Water & Wastewater Utilities Management & Supervision	24AW/AWW	3	12	265	Fort Valley
<b>SEPTEMBER</b>						
1	Class IV Water	6ClassIV	1	2	165	Athens
2	Water & Wastewater Facility & Lab Safety	6CE	1	6	115	Dawson
8 - 9	Applied Utilities Math	12AW/AWW	2	12	165	Atlanta

**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



# AT-A-GLANCE 2010 TRAINING SCHEDULE FOR GEORGIA RURAL WATER ASSOCIATION

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

DATE	COURSE TITLE	HOURS	DAYS	CE POINTS	COST (\$)	LOCATION
<b>SEPTEMBER continued</b>						
8 - 10	Activated Sludge Process Optimization	24AWW	3	12	265	Augusta
13 - 17	Basic Wastewater	40BWW	5	12	395	Port Wentworth
14 - 16	Advanced Water I	24AW	3	12	255	DeKalb Co.
<b>OCTOBER</b>						
4 - 8	Backflow Testers' Training	32BFP	5	12	395	Tifton
7	Backflow Recertification Review	6BFP	1	6	140	Tifton
4 - 8	Basic Water	40BW	5	12	395	Helen
12 - 15	Wastewater Collection Operation & Maint.	27WWCOLL	3.5	12	295	Gainesville
12 - 14	Advanced Water II	24AW	3	12	255	DeKalb Co.
18 - 21	Distribution System Operation & Maint.	27DIST	3.5	12	295	Atlanta
24 - 26	2010 GRWA Fall Training Conference	For info see page 15	3	10		Helen
27 - 29	Water & Wastewater Utilities Man. & Super.	24AW/AWW	3	12	265	Atlanta
<b>NOVEMBER</b>						
1	Basic Math	6CE	1	6	105	Fort Valley
2	Class IV Water	6ClassIV	1	2	165	Waycross
2	Minimizing Sewer Blockages & Grease Nuisances	6CE	1	6	115	Warner Robins
3	Class IV Wastewater Certification Training	6ClassIV	1	2	165	Tifton
4	Confined Space Entry & Program Devel.	6CE	1	6	185	Dawson
8 - 10	Wastewater Treatment Facility Optimization	24AWW	3	12	265	Columbia Co.
15	Pump Maintenance, Troubleshooting, & Efficiency	6CE	1	6	115	Atlanta
16 - 19	Water Laboratory for Analysts & Operators	27WLAB/24AW	3.5	12	305	Gainesville
<b>DECEMBER</b>						
1	Class IV Water	6ClassIV	1	2	165	Barnesville
6 - 10	Basic Water	40BW	5	12	395	Henry County
6 - 9	Distribution System Operation & Maint.	27DIST	3.5	12	295	Columbia Co.
6 - 10	Basic Wastewater	40BWW	5	12	395	Augusta
14 - 17	Wastewater Collection Operation & Maint.	27WWCOLL	3.5	12	295	Calhoun

# **Georgia Rural Water Association**

## **Annual Training Conferences**

**2010 Spring Training Conference**

**May 15 - 18, 2010**

**Jekyll Island Georgia Convention Center**

**Conference registration packets will be mailed to members by mid February 2010**

**2010 Fall Training Conference**

**October 24 - 26, 2010**

**Helen, Georgia at the Unicoi State Park Lodge**

**Conference registration packets will be mailed to members by mid July 2010**

### **Note:**

**Any two (2) of the following classes can be used to satisfy advanced certification training requirements to apply for Class I or Class II wastewater examinations. Activated Sludge Process Optimization • Wastewater Lab for Operators and Analysts • Wastewater Treatment and Facility Optimization • Water and Wastewater Utilities Supervision and Management**

# SITE/LODGING INFORMATION

## ATHENS

**Athens Holiday Inn** • 197 East Broad Street

Lodging: Holiday Inn • 706-549-4433      Holiday Inn Express • 706-546-8122

September 1: Class IV Water

**Bobby M. Snipes Water Resources Center** • 780 Barber Street

Jan. 20 - 22: Wastewater Treatment Facility Optimization

## ATLANTA

**Atlanta Dept of Watershed Management Training Center** • 651 14th Street, NW

Lodging: Courtyard • 404-607-1112      Super 8 • 404-873-5731      Days Inn • 404-523-1144

Feb. 9: Basic Math

Feb. 17 - 19: W & WW Utilities Man. & Supervision

May 11 - 13: Advanced Water I

May 24 - 27: DIST Operation & Maintenance

Jun. 22 - 24: Advanced Water II

Aug. 16 - 20: Backflow Testers' Training

Aug. 19: Backflow Recertification Review

Sep. 8 - 9: Applied Utilities Math

Oct. 18 - 21: DIST Operation & Maintenance

Oct. 27 - 29: W & WW Utilities Man. & Supervision

Nov. 15: Pump Maintenance, Troubleshooting, & Efficiency

## AUGUSTA

**Augusta - Richmond Wastewater Treatment Facility** • 1820 Doug Bernard Pkwy

Lodging: Wingate Inn • 706-729-1616

Days Inn • 706-738-0131

Holiday Inn • 706-396-4600

Comfort Inn • 706-855-6060

Feb. 23 - 26: WW Lab for Analysts & Operators

Sep. 8 -10: Activated Sludge Process Optimization

Dec. 6 - 10: Basic Wastewater

**N. Max Hicks - Tobacco Road Water Treatment Plant**

Aug. 9 - 13: Basic Water

**Augusta - Richmond Utilities Department** • 2822 Central Ave. (near Highland WTP)

Jun. 29 - Jul. 2: Water Lab for Analysts & Operators

## AUGUSTA

**Columbia Co. - Water Utility Training Facility** • 205 Chamblin Rd, Grovetown

Lodging: Super 8 Motel • 706-396-1600

Quality Inn • 706-855-2088

Feb. 22: Hydrogen Sulfide Prevention & Corrosion Control

Nov. 8 - 10: WW Treatment Facility Optimization

Dec. 6 - 9: DIST Operation & Maintenance

## BARNESVILLE

**Barnesville Civic Center** • 685 Forsyth St.

Lodging: Sun Inn • Barnesville • 770-358-1700

Holiday Inn • Forsyth • 478-994-5691

Country Hearth Inn • 770-358-0967

Jan. 25 - 29: Basic Wastewater

Mar. 15: Pump Maint. Troubleshooting, & Efficiency

Jun. 21: Class IV Water

Aug. 2 - 5: DIST Operation & Maintenance

Dec. 1: Class IV Water

**BRASELTON**

**Braselton Municipal Building • Next to Town Hall • 4982 Hwy 53**

Lodging: Best Western • 706-654-3081      Holiday Inn Express • 770-867-8100  
Mar. 15 - 18: DIST Operation & Maintenance      Apr. 13 - 14: Applied Utilities Math

**CALHOUN**

**Calhoun Utilities Building • 700 West Line St.**

Lodging: Hampton Inn • 706-629-0999      Holiday Inn Express • 706-629-8566  
Feb. 16: Hydrogen Sulfide Prevention & Cor. Control      Dec. 14 - 17: Wastewater Collection O & M

**CHATSWORTH**

**Chatsworth Water Works Commission • Market Street**

Lodging: Best Western • 706-695-1411      Key West Inn • 706-517-1155  
Jun. 18: Pump Maintenance, Troubleshooting, & Efficiency

**COLUMBIA COUNTY** - see course listings under Augusta

**CUMMING**

**Advanced Water Reclamation Facility • Bethel View Road to Woodcrest Trail**

Lodging: Holiday Inn Express • 770-889-4600      Hampton Inn • 770-889-0877  
Feb. 8: Backflow Recertification Review      Feb. 9 - 12: Wastewater Collection O & M  
Mar. 30 - Apr. 1: Activated Sludge Process Optimization

**DALTON**

**NW GA Trade & Convention Center • 2211 Dug Gap Battle Rd (I-75, Exit 333)**

Lodging: Hampton Inn • 706-226-4333      Days Inn • 706-278-0850  
May 4: Class IV Water

**DAWSON**

**Hooks Hanner Environmental Resource Center • 4344 Albany Hwy**

Lodging: Econo Lodge • 229-995-5725      Budget Inn • 229-995-5132  
Mar. 9: Class IV Water      Sep. 2: W & WW Facility & Lab Safety  
Nov. 4: Confined Space Entry & Program Development

**DAWSONVILLE - ETOWAH WSA**

**Dawsonville Municipal Complex / City Hall • 415 Hwy 53 East**

Lodging: Comfort Inn • 706-216-1900      Best Western • 706-216-4410  
Mar. 29: Water & Wastewater Facility & Lab Safety

**DEKALB CO.**

**Scott Candler Water Plant • 4830 Winters Chapel Rd., Doraville, GA**

Lodging: Holiday Inn Doraville • 770-455-3700      Comfort Inn • 770-263-8883  
Feb. 22 - 26: Basic Water      Sept. 14 - 16: Advanced Water I  
Oct. 12 - 14: Advanced Water II

**ELLIJAY**

**Ellijay-Gilmer Co. WSA Office • 1023 Progress Rd, Ellijay, GA**

Lodging: Best Western • 706-515-1500      Budget Inn • 706-635-5311  
Jun. 7 - 11: Basic Water

**FORT VALLEY McLean Water Treatment Plant**

Lodging: Holiday Inn • I-75 & Hwy 341 • Perry, GA • 478-987-3313

May 24 - 27: Wastewater Collection O & M      Aug. 30 - Sept. 1: W & WW Utilities Man. & Supervision  
Nov. 1: Basic Math

**GAINESVILLE Flat Creek Water Reclamation Facility • 2641 Old Flowery Branch Road**

Lodging: Quality Inn • 770-536-4451      Best Western • 770-531-0907

Apr. 26 - 30: Basic Wastewater      Aug. 2 - 5: Wastewater Lab for Analysts & Operators  
Oct. 12 - 15: Wastewater Collection O & M      Nov. 16 - 19: Water Laboratory for Analysts & Operators

**GAINESVILLE Riverside Water Treatment Facility • 2120 Riverside Drive**

Feb. 16 - 18: Advanced Water I      Mar. 23 - 25: Advanced Water II

**HELEN Helen City Hall • 25 Alpenrosen Street**

Lodging: Best Western • 706-878-2111      Country Inn & Suites • 706-878-9000

Jan. 19: Activated Sludge Process Control      Apr. 15: Pump Maint., Troubleshooting & Efficiency  
Aug. 9 - 13: Basic Wastewater      Oct. 4 - 8: Basic Water

**HENRY CO. Tussahaw Water Treatment Plant • 199 Preservation Drive, Jackson GA**

Lodging: Best Western • 770-898-1006      Holiday Inn Express • 678-782-1100

Mar. 16 - 19: Water Lab for Analysts & Operators      May 10 - 14: Backflow Testers' Training  
May 13: Backflow Recertification Review      Dec. 6 - 10: Basic Water

**MONROE Jack's Creek Water Pollution Control Plant • 2200 Hwy 83 (E. Church St.)**

Lodging: Country Hearth Inn • 770-207-1977      Deer Acres Inn • 770-267-3666

Apr. 12: Confined Space Entry & Program Development  
Aug. 6: Pump Maintenance, Troubleshooting, & Efficiency

**PORT WENTWORTH Port Wentworth Community Center • Appleby Rd.**

Lodging: Super 8 Motel • 912-965-9393      Sleep Inn • 912-966-9800

Quality Inn • 912-965-1313      Days Inn • 912-629-1900  
Mar. 22 - 26: Backflow Testers' Training      Mar. 25: Backflow Recertification Review  
Apr. 12 - 16: Basic Water      Jun. 8 - 10: WW Treatment Facility Optimization  
Sep. 13 - 17: Basic Wastewater

**SAVANNAH Coastal Georgia Center • 305 Fahm Street**

Lodging: Courtyard by Marriott • 912-790-8287      Best Western • 912-233-1011

Jan. 12: Class IV Water

**STATESBORO Statesboro Wastewater Treatment Plant • 302 Briarwood Road**

Lodging: Holiday Inn Express • 912-489-7368 Comfort Inn • 912-681-2400  
Jun. 7: Activated Sludge Process Control

**TIFTON Tifton Utility Building • 204 Northridge Ave.**

Lodging: Holiday Inn • 229-382-6687 Ramada Inn • 229-382-8500  
Jun. 21 - 25: Basic Wastewater Oct. 4 - 8: Backflow Testers' Training  
Oct. 7: Backflow Recertification Review Nov. 3: Class IV Wastewater Certification Training

**WARNER ROBINS Sandy Run Wastewater Plant • 250 Industrial Park Blvd.**

Lodging: Hampton Inn • 478-953-9443 Holiday Inn • 478-923-8871  
Nov. 2: Minimizing Sewer Blockages & Grease Nuisances

**WAYCROSS Southern Georgia Regional Commission • 1725 South GA Parkway, West**

Lodging: Super 8 Motel • 912-285-8885 Hampton Inn • 912-285-5515  
Days Inn • 912-285-4700 Holiday Inn • 912-283-4490  
May 20: Hydrogen Sulfide Prevention & Corrosion Control  
Nov. 2: Class IV Water

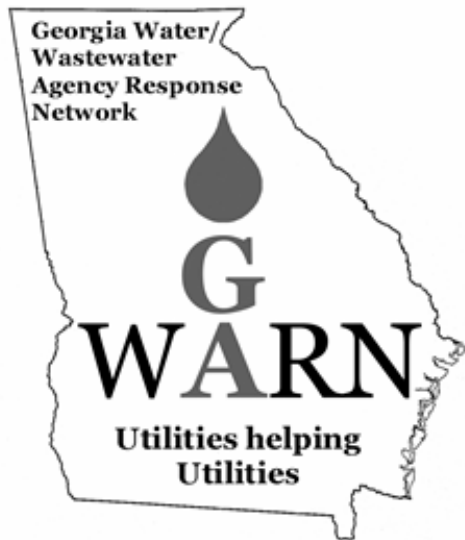
... **Do you have several employees that need training?**

... **Could you benefit from training at your facility?**

... **Is it difficult to arrange leaving your facility to attend training?**

**Call Georgia Rural Water Association at 770-358-0221.**

**We can arrange on-site training to specifically meet your needs.**



## Mission

The mission of the Georgia WARN is to support and promote statewide emergency preparedness, disaster response, and mutual aid assistance matters for the public and private water and wastewater utilities for natural and man-made caused events

## Goals

The goals of the Georgia WARN are to provide:

- ... A mutual assistance agreement and process for sharing emergency resources among water and wastewater agencies statewide.
- ... A mutual assistance program consistent with other statewide mutual aid and assistance programs and the National Incident Management System.
- ... The resources to respond and recover more quickly from a natural or man-made caused disaster.
- ... A forum for developing and maintaining emergency contacts and relationships.

## Participation

The WARN Mutual Aid and Assistance Agreement is available to all public and private water and wastewater utilities in the state.

## Agreement

All actions recommendations, etc. are made in accordance with the articles of the WARN Mutual Aid and Assistance Agreement

For more information:

**Visit the GA WARN website:**

**[www.gawarn.org](http://www.gawarn.org)**

Or contact:

Sandy Smith - GA Section American Water Works Association

770-904-3206

[Sandy.Smith@gwinnettcountry.com](mailto:Sandy.Smith@gwinnettcountry.com)

Dan Oakley - Atlanta Dept. of Watershed Management

404-330-6073

[doakley@atlantaga.gov](mailto:doakley@atlantaga.gov)

Ed Urheim - Georgia Rural Water Association

770-934-2075 or 770-358-0221

[eu2002grwa@yahoo.com](mailto:eu2002grwa@yahoo.com)

Bryan Wagoner - Georgia Association of Water Professionals

770-618-8690

[bwagoner@gawp.org](mailto:bwagoner@gawp.org)

Amy Rammo - Georgia Environmental Protection Division - Drinking Water Program

404-463-8011

[Amy\\_Rammo@dnr.state.ga.us](mailto:Amy_Rammo@dnr.state.ga.us)

## Water and Wastewater Exams Changed to Computer-Based Testing

In November 2008 the Examination and Testing Unit of the Professional Licensing Boards Division of the Georgia Secretary of State's Office started computer-based testing for all examinations for water and wastewater operators and laboratory analysts. These exams are no longer offered in the paper/pencil format.

**Note: The examination dates for 2010 were not available at the time this document was printed. As soon as the dates are available they will be posted on GRWA's website ([www.grwa.org](http://www.grwa.org)). The dates will also be available at the Secretary of State's website: (<http://sos.georgia.gov/cgi-bin/examdatesindex.asp>).**

The Georgia State Board for Water and Wastewater Certification Examinations are currently delivered at 5 locations in Georgia and over 170 AMP Assessment Centers geographically located throughout the United States. A current listing of AMP Assessment Centers, including addresses and driving directions, may be viewed at [www.goAMP.com](http://www.goAMP.com) by selecting "Candidates." The examinations are administered by appointment only, Monday through Saturday at 9:00 a.m. and 1:30 p.m. There are no application deadlines and candidates who meet the requirements for an examination may apply at any time.

**To Apply and Schedule Online: – go to [www.goAMP.com](http://www.goAMP.com) and select "Candidates" from AMP's home page.**

1. Choose a category – select "Water/Wastewater" from the pull down menu.
2. Choose a program – select either "Georgia Water Certification Exams" or "Georgia Wastewater Certification Exams" from the pull down menu.
3. Choose an examination – select an examination listed from the pull down menu.
4. Select the "Register for Examination" option. Read the statements concerning identification requirements, security of the examination and candidate handbook. If you agree, click on "Yes" and select the "Continue" button to continue the registration process.
5. First time users of AMP's online scheduling must select "I am a New User."
6. Enter the information requested to create an account. When finished, select the "Continue" button to proceed.
7. A screen appears confirming the account has been successfully established. Select the "Continue" button to proceed. The personal information provided to AMP is displayed for the candidate to verify. Make any necessary changes and select the "Continue" button to proceed and schedule your appointment.
8. Select a location from the list displayed. The closest test center may be in a neighboring state. Select the date and time you want (all available dates are shown in green). You will be requested to provide credit card information to pay the examination fee. Submit your request by clicking on the "Schedule" button.
9. An on-screen confirmation appears showing that the appointment has been scheduled. An email is also sent, confirming the date, time and location of your examination. Directions to the Assessment Center are also included. You can go to "My Home Page" which provides information about scheduled examinations and allows you to reschedule an appointment (requires two business days notice).

### **Submitting a Paper Application:**

Complete and mail to AMP the paper application, which can be found at [www.goAMP.com](http://www.goAMP.com), with appropriate fee (cashier's check or money order). A paper application is considered complete only if all information requested is complete, legible and accurate, if the candidate is eligible for the examination, and if the appropriate fee accompanies the application. AMP will process the paper application and within approximately two weeks will send a confirmation notice including a website address and toll-free telephone number to contact AMP to schedule an examination appointment. If eligibility cannot be confirmed, notification why the application is incomplete will be sent. If a confirmation of eligibility notice is not received within 4 weeks, contact AMP at 800/345-6559.

### **Scheduling by phone:**

You may call AMP at 800/345-6559. This toll-free number is answered from 7:00 a.m. to 9:00 p.m. (Central Time) Monday through Thursday, 7:00 a.m. to 7:00 p.m. on Friday and 8:30 a.m. to 5:00 p.m. on Saturday. Please have your credit card available for payment of examination fees. Depending on space availability, your examination will be scheduled. Be sure to contact AMP at least 3 working days prior to preferred exam date.



# 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.

**Backflow Only**  
Cross-Connection Control 9th Ed. ....\$45  
Provided as desk reference upon request

**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: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

**MAIL FORM(S) WITH CHECK TO:**  
**Georgia Rural Water Association**  
**P.O. Box 383 • Barnesville, GA 30204**  
**Phone: 770-358-0221 • Fax: 770-358-4379**  
**EIN# 58-1373517**  
**or FAX FORM WITH CREDIT CARD INFO**  
**or Register and pay on-line at:**  
**www.georgiatraining.com**

**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: \_\_\_\_\_

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



**GEORGIA RURAL WATER ASSOCIATION**  
**P.O. Box 383 • Barnesville, GA 30204**

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Water... Our Most Precious Natural Resource