

Water Environment
Association
of South Carolina
District Three

Clarifier

Volume 17, Number 6

Capital District Newsletter

January 2005

EXECUTIVE COMMITTEE 2004-2005

Chairman

Glemmie Haimes
City of Cayce
(803) 739-5366
glemmie@prodigy.net

Chair Elect

Ray Peterson
SCDHEC
(803) 898-4182
petersrf@dhec.sc.gov

1st Vice Chair

Joey Rivers

Richland County Public Works
(803) 732-0542
josephrivers@richlandonline.com

2nd Vice Chair

Bill Davis

B.P. Barber & Associates, Inc.
(803) 254-4400
bdavis@bpbarber.com

Secretary

Susan Gossett
Town of Lexington
(803) 359-2434
sgossett@lexsc.com

Treasurer

Bobby Bates
SEAUS, Inc.
(803) 749-0056
batesville@pbtcomm.net

Past Chairman

Clint Shealy
Black and Veatch
(803) 960-8145
shealyce@bv.com

State Association

www.weasc.org

CHAIRMAN'S COLUMN

I hope everyone had a wonderful and joyous holiday season. It sure was a busy one around home and work and seemed to fly by much too quickly.

Many thanks to the City of Newberry for hosting and sponsoring our November District meeting. That country cooking (country-fried steak with gravy and all the trimmings) was great, and the technical session was informative and interesting. Thanks also to B.P. Barber for providing drinks for the meeting. Thanks to Dan Page of PDA Security for his presentation on the Hydra-Remote monitoring system.

The December Executive Committee meeting was held December 9 at the California Dreaming Restaurant. Carolina Water Service graciously sponsored the meeting and meal. Thanks to them and to all of the other sponsors of District and Executive Committee meetings throughout the year. We could not be such a strong District without their support.

Robin Foy reported that he has received several nomination forms for our District awards. The Awards Committee will be reviewing these nominations and selecting award recipients for presentation at our Annual Meeting and Awards Banquet in January. We appreciate the time and effort that Robin has put into the awards program.

The Nominating Committee has met and presented the following recommendations for 2004 officers: Chair – Ray Peterson; Chair-Elect – Joey Rivers; First Vice-Chair – Bill Davis; Second Vice-Chair – Jay Nicholson; Secretary – Debbie Crim; Treasurer – Bobby Bates. Congratulations to each of these folks on their nomination. We will be officially electing officers to fill these positions at our January meeting.

As mentioned, the Annual Meeting and Awards Banquet is just around the corner and will be held on January 20. The meeting will be hosted and sponsored again by AO, Inc. This year the meeting will be held at T&S Farms in Batesburg-Leesville. As usual this is a tremendous opportunity to learn and gain valuable educational credits toward license certification renewal, so please take advantage! This is an important meeting as we will be presenting awards and voting on our slate of officers for the coming year (not to mention the traditional stash of awesome door prizes). I hope to see each of you there!

I wish you all a safe and prosperous new year.
God bless!

Glemmie



MEMBERSHIP NOTE:

All new members recruited last year (2004) will be entered into a door prize drawing at the January meeting for \$100 cash! Member MUST be present to win, so come on out and see if you can take home the cash!



MINUTES

WEASC CAPITAL DISTRICT (DISTRICT 3) EXECUTIVE COMMITTEE MEETING

October 14, 2004

The Executive Committee met on Thursday, October 14, 2004 at 5:30 p.m. at E.A. Services. E.A. Services sponsored the meeting location and meal. Executive Committee members present were Chair Glemmie Haimes, Chair Elect Ray Peterson, Secretary Susan Gossett, and At-Large Members Dana Reeder and Tracey Wilkes. Other committee members present were Skip Johnson, Robin Foy, Glenda Swearingen, Debbie Crim, Jimmy Wigglesworth and James LeRoy.

Committee members absent were: First Vice Chair Joey Rivers, Second Vice Chair Bill Davis, Treasurer Bobby Bates, Past Chair Clint Shealy, Jay Nicholson, Malcolm Miller, Kevin Anderson and Miles Riley.

Chair Glemmie Haimes welcomed everyone to the meeting and announced that, due to the Executive Committee not having enough voting members present to form a quorum, the Committee will be unable to vote on any official business at this meeting.

Chair's Report: Chair Glemmie Haimes thanked everyone for their help with the Pine Island meeting and reported the training at the Pine Island meeting was good.

Secretary's Report: No Report.

Treasurer's Report: Skip Johnson gave the Treasurer's report. Skip Johnson submitted the updated financial report. The last financial report balance was \$4,119.07. District income received was \$9,751.00 with District expenses of \$8,674.18, leaving the District with a balance of \$2,253.47. Beginning Scholarship balance was \$3,780.41 with income of \$134.00; Scholarship fund expense of \$3,000.00 and Scholarship balance of \$914.41. Total checking balance, including Scholarship fund, is \$7,286.95.

Committee reports were received as follows:

Arrangements Committee: Chair Glemmie Haimes reported the next meeting will be at the Newberry Shrine Club off Highway 76 in Newberry. B.P. Barber & Associates, Inc. will sponsor the beverages for the meeting. Chair Glemmie Haimes announced the December Executive Committee meeting is scheduled for December 9, 2004 and will be sponsored by Carolina Water Service.

Awards Committee: No Report.

Budget & Audit Committee: Skip Johnson reported he has scheduled an audit for the week after the Operator's Conference.

Membership Committee: No Report.

Nominating Committee: Chair Jimmy Wigglesworth reported he will be sending an email out to current officers and Nominating Committee members.

Program Committee: Kevin Anderson reported the November program will be on abatement regulations and will be presented by the Bureau of Water, along with Johnston, Inc.

PWO Committee: James LeRoy reported he has mailed sponsorship letters.

Publications Committee: Debbie Crim announced the deadline for articles and other information needed for the Clarifier.

Rules Committee: No Report.

Website Committee: No Report.

Old Business: Chair Glemmie Haimes reported on the Pine Island Golf Tournament. The Golf Tournament made a \$907.79 profit. Ray Peterson reported on the Pine Island Bowling Tournament. The Pine Island Bowling Tournament had 17 bowlers and had a loss of \$119.09.

Chair Glemmie Haimes announced there is another category for the operator's pins being added for professional engineers and they are looking at how to market the pins. Glemmie Haimes said the District needs to develop how we want to handle the operator's pins. The committee discussed the handling of the pins; no formal action was taken due to the Executive Committee not having a quorum.

New Business: Chair Glemmie Haimes reported the next district meeting will be at the City of Newberry. Ray Peterson announced he is still looking for moderators for the Operators Conference.

There being no further items for discussion, the meeting adjourned.

Respectfully Submitted,
Susan Gossett, Secretary,
WEASC Capital District (District 3)

MINUTES

WATER ENVIRONMENT ASSOCIATION OF SOUTH CAROLINA (WEASC) CAPITAL DISTRICT (DISTRICT 3) MEETING

November 18, 2004

The Capital District (District 3) of the Water Environment Association of South Carolina (WEASC) held their fifth District meeting of the year on Thursday, November 18, 2004 at the Shrine Club in Newberry.

The City of Newberry sponsored the meeting location and meal. B.P. Barber & Associates, Inc. provided the beverages for the meeting. Dan Page with PDA Security Solutions, Inc. presented a technical workshop on Hydra-Remote Monitoring Systems from 4:30 p.m. until 5:30 p.m. Twenty (20) members attended the workshop and earned one (1) hour of contact time. Social hour was 5:30 p.m. until 6:30 p.m., followed by the delicious country-fried steak meal, and then the District business meeting. Approximately seventy (70) members and guests attended the meeting.

Chair Glemmie Haimes called the business meeting to order and opened the meeting by thanking Dan Page of PDA Security Solutions, Inc. for presenting the technical session on Hydra-Remote Monitoring Systems. Chair Glemmie Haimes thanked the sponsors for the meeting, the City of Newberry for the meeting location and meal, and B.P. Barber & Associates, Inc. for sponsoring the drinks. Chair Glemmie Haimes asked Charles Gary with the City of Newberry to come forward and presented the City of Newberry with a sponsor plaque for their support of the Association.

Chair Glemmie Haimes announced upcoming meetings and called for a motion to approve the September 9, 2004 minutes as printed in the Clarifier. **Motion received from the floor to approve the minutes as written. Motion seconded and carried.** Chair Glemmie Haimes announced the Capital District award nominations are due by December 3, 2004 and asked members to nominate their fellow coworkers deserving of an award. Chair Glemmie Haimes asked the Nominating Committee Chair Jimmy Wigglesworth to report on the upcoming slate of officers. Jimmy Wigglesworth named the slate of officers for the upcoming year: Ray Peterson, Chair; Joey Rivers, Chair Elect; Bill Davis, First Vice Chair; Jay Nicholson, Second Vice Chair; Secretary, Debbie Crim; and Treasurer, Bobby Bates.

Glemmie announced the January District meeting location has changed to T&S Farms in Batesburg-Leesville due to construction of A.O. Utilities' new office in Leesville. Glemmie announced the State Association is looking to hire an Executive Director and will make an announcement at the South Carolina Environmental Conference. Glemmie Haimes announced Carolina Water Service will sponsor the next Executive Committee meeting at California Dreaming and asked the floor for any other business items for discussion. Chair Glemmie Haimes entertained a motion to adjourn the business meeting for the drawing of the door prize tickets. Motion received from the floor to adjourn the business meeting. Motion seconded and passed.

Respectfully submitted,
Susan Gossett, Secretary
WEASC, Capital District (District 3)

MEMBERS IN THE NEWS

Clint Shealy, formerly of B.P. Barber & Associates, Inc., has recently accepted a position as Project Manager with Black and Veatch. Best of luck in your new position!

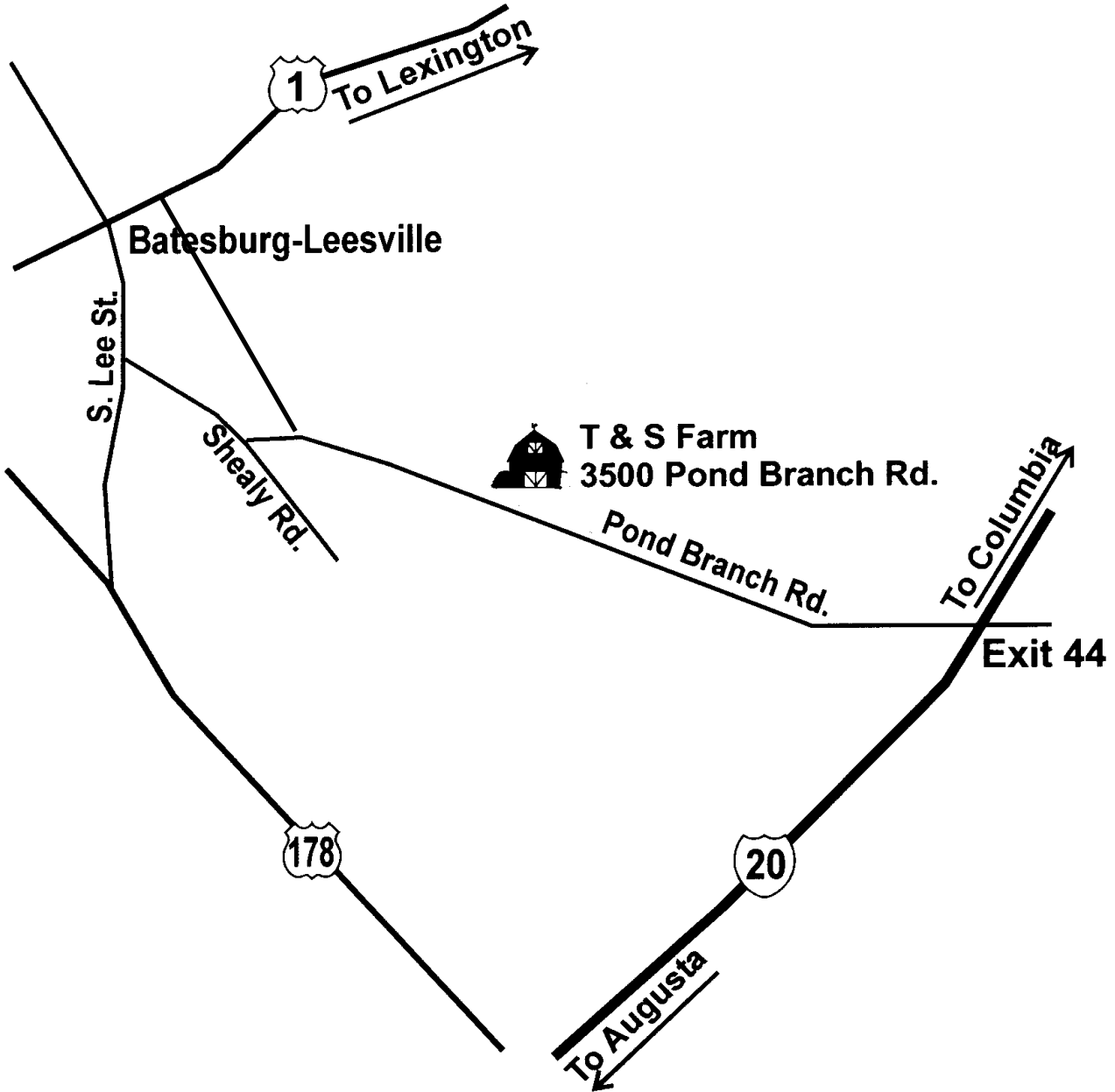
Congratulations to **Jay Nicholson**, of Lexington County Joint Municipal Water & Sewer Commission, and his wife on their newest arrival: Amanda Clark Nicholson was born on November 8.

The Lexington County Joint Municipal Water & Sewer Commission was recently awarded the Distribution System of the Year (Drinking Water Category III) by the S.C. Rural Water Association.

John Culbreath, Holly Ressler and Nathan Ward, all of B.P. Barber & Associates, Inc. recently received their Professional Engineer licenses! Congratulations to all of you – your hard work has paid off!

Kevin Strickland has ventured into the wide world of engineering on his own and has formed Strickland Engineering, Inc. We wish you the best in your new business!

MAP TO JANUARY MEETING




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**WEASC
DISTRICT 3 MEETING**

SPONSORED BY AO, INC.

**Co-Sponsored by
Hughes Engineered Products Division
Lexington County Joint Municipal Water & Sewer Commission
Godwin Pumps**

DATE: January 20, 2005

WHERE: T&S Farms in Batesburg-Leesville

MEAL: Shealy's BBQ

AGENDA: 4:30-5:30 p.m. Pumps & Pump Seals
Presented by Shad Stringfellow,
Hughes Engineered Products Division
(1 contact hour)

5:30-6:00 p.m. Social/Sign-In

6:00-7:00 p.m. Meal

7:00 p.m. District Business Meeting

DON'T FORGET!

This is our annual awards meeting, and AO, Inc. will be giving away a **BIG SCREEN TV!** You **MUST** be a Capital District member to win, so get your applications in and don't miss out on this special prize.

To promote membership, AO, Inc. is offering an additional **free ticket** for **each new member** you recruit.

Deadline for new recruits is December 31, 2004.

TECHNICAL CORNER

AQUA-AEROBIC SYSTEMS DISPLAYS AERATOR FROM SOUTH CAROLINA WWTF AT THEIR MANUFACTURING PLANT

Aqua-Aerobic Systems was co-founded by a South Carolina native and Clemson University graduate, Dennis Crocker. Dennis, John Johnson and Jack Ehrhardt patented the original Aqua-Jet® aerator, which has remained unchanged for 35 years. Aqua-Aerobic Systems was a pioneer in developing a direct-drive, axial-flow, floating, surface mechanical aerator that was not only efficient from an oxygen-transfer capability standpoint but also mechanically simple and reliable. Prior to that time (the late 1960s), aerators were usually large gear-reduced machines that were expensive to purchase and costly to maintain. Since the 1970s, floating aerators have dominated the aeration market, with well over a thousand machines (over 90% of these are Aqua-Jet® aerators) in South Carolina alone. The Aqua-Jet® is believed to be the most common aeration device used throughout the world today. Aqua-Jet® aerators are providing in excess of a million pounds of oxygen to South Carolina waters every day. The first Aqua-Jet® aerator ever sold by Aqua-Aerobic Systems was shipped to Columbia, SC, for Michael Mungo to install in the Whitehall WWTF in March of 1970. It was a 10-HP with a stainless-steel float. It operated at the Columbia WWTF for 15 years until it was purchased back by Aqua-Aerobic Systems for display in its manufacturing facility. During its 15 years of operation it experienced no mechanical failures and only required routine maintenance.

Aerator Maintenance Tips:

1.) Regularly lubricate the motor per manufacturer's recommendations. This is probably the most overlooked aerator maintenance requirement. Operators do not like having to go out in a boat 2-4 times per year with a grease gun. Letting your motor run without grease is analogous to running your car engine without oil. Motors simply will not last very long without grease. Aqua-Aerobic Systems introduced the Endura motor series in the 1990s, which offers a 5-year no-maintenance motor (lubrication) and a 3-year full-mechanical warranty.

2.) Inspect electrical and mooring cables for signs of wear and replace as needed. Electrical cables have waterproof covers that can be degraded after years of UV exposure or due to physical abrasion, such as rubbing the edge of the float or the concrete side slopes

of a lagoon. Mooring cables can also become frayed from rubbing against each other or from being improperly tensioned.

3.) Remove any debris that accumulates on the diffusion head (discharge area) of the aerator. Influent solids, such as rags and plastics, can build up on the diffusion head and block the free discharge of pumped water or wastewater, and potentially damage the motor by overheating or amperage increases. Fine screening a head of the aeration basin is usually recommended.

4.) If an aerator should become clogged with debris, first have an electrician switch any two leads on the disconnect or control panel to cause the aerator to run backwards for a few minutes to dislodge debris. This technique will work with an Aqua-Jet® aerator, which has a tapered shaft for prop attachment. If the aerator prop is screwed onto the shaft (as with some other manufacturers' units), this technique should not be used because it can cause the propeller to fall off of the shaft. Try this before going out in a boat to physically remove debris. Always LOCK-OUT and TAG-OUT the motor before servicing. ALWAYS wear US Coast Guard approved life vests and work in tandem (2 people in the boat), with an on-shore observer for emergency response.

5.) Have motors serviced by the aerator manufacturer or by a reputable electrical motor repair shop. Some manufacturers, such as Aqua-Aerobic Systems, offer full motor rewind-rebuild services and extended warranties on their work. Always ask the motor repair shop how long they will warranty their work.

6.) Contact the local equipment representative for a site visit and inspection, as needed, and for recommendations for proper maintenance.

With proper maintenance, a well-designed, stainless-steel floating aerator should last 20-30 years. Aqua-Aerobic Systems has many Aqua-Jet® aerators in SC operating 24/7 that are over 30 years old. For more information on the Aqua-Jet® aerators contact Mike Davis of Crocker & Associates, Inc. at mhd123@charter.net or (864) 270-0447. If you have suggestions or comments about the Technical Corner, please contact Debbie Crim at dcrim@bpbarber.com or 803-254-4400.

2004-2005 CAPITAL DISTRICT MEETING DATES AND SPONSORS

January 20, 2005	District Meeting	AO, Inc. @ T&S Farms
February 19, 2005	Executive Committee Meeting	B.P. Barber & Associates, Inc.
March 17, 2005	District Meeting	PASCON @ Saluda Shoals
March 20-23, 2005	SCEC	Embassy Suites, Myrtle Beach

2004-2005 WEASC-CAPITAL DISTRICT COMMITTEE ASSIGNMENTS

AT-LARGE MEMBERS:

Tracey Wilkes	SCDHEC	(803) 896-0620
Malcolm Miller	PASCON	(803) 359-9334
Jay Nicholson	Lexington County Joint Municipal WSC	(803) 356-8373
Dana Reeder	Utilities, Inc.	(803) 796-9545

COMMITTEE CHAIRPERSON(S)

Program	Kevin Anderson, Laurens County WSC	(864) 682-3250
Budget & Audit	Skip Johnson	(803) 796-3304
Membership	Miles Riley, AO, Inc.	(803) 532-1001
Awards	Robin Foy, SCDHEC	(803) 898-4265
Rules	Glenda Swearingen, SEAUS, Inc.	(803) 749-0056
Arrangements	Clint Shealy, Black and Veatch.	(803) 960-8145
Publications	Debbie Crim, B.P. Barber & Associates, Inc.	(803) 254-4400
Nominating	Jimmy Wigglesworth, PASCON	(803) 359-9334
Operations Challenge Ad Hoc	James LeRoy, EA Services, Inc.	(803) 798-0343
Website	Kevin Anderson, Laurens County WSC	(864) 682-3250
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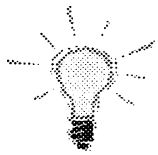
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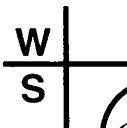
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