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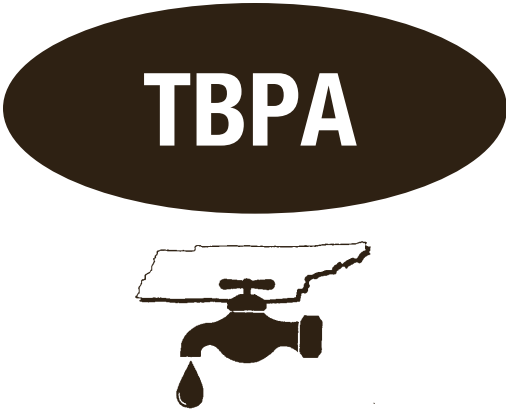
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Tennessee Backflow Prevention Association
 Liba Ford
 c/o Jackson Energy Authority
 P.O. Box 68
 Jackson, TN 38302-0068



Tennessee Backflow News

Spring 2011



NEXT BOARD MEETING

10:00 AM
 Wednesday
April 6, 2011

Consolidated Utility
 709 New Salem Hwy.
 Murfreesboro, TN

TBPA Mission Statement

The mission of the Tennessee Backflow Prevention Association is to protect drinking water quality in the State of Tennessee by providing for education, statewide training, standardized certification, technical assistance and resources to our membership and the general public.

President's Message

Hello, is everyone ready to "Spring" forward? As the temperatures warm and the days get longer people begin thinking about their lawns. And with those lawns come irrigation systems and backflow devices. We are planning two repair classes this spring, one in Knoxville and another in Clarksville to help with getting the systems up and running for the season. Be sure to check our website and look for flyers that will be mailed once the dates have been set.

The Conference committee is actively planning this year's conference which will be held October 13-14 in Gatlinburg, TN at the Edgewater Hotel. The Board will meet at the hotel on the 12th at 5:00 pm. Make your plans now to be there and join us for education, training and fun!

Recently, one of the TBPA Board members attended a committee meeting with TDEC officials concerning the writing of rules for cross connection control. See this newsletter for an update on that process! Join us at one of our board meetings and get involved on this and other topics that affect cross-connection programs across the state. If you would like to see TBPA move forward; have some say in the direction we take by becoming a board member or a committee member.

I hope everyone has a lovely spring and we look forward to seeing you soon.

"Coming together is a beginning, keeping together is progress, and working together is success."

Angel Goike
 President TBPA

Upcoming Events

ABPA Annual Conference & Tradeshow
 May 23 - 25, 2011
 Hyatt Regency
 San Antonio, Texas

TBPA 15th Annual Conference
 October 13 & 14, 2011
 Edgewater Hotel - Gatlinburg, TN
 Board Meeting - October 12th - 5:00 PM

2011 TBPA Board Meetings
 10:00 a.m.
 Consolidated Utility - Murfreesboro
 April 6th - July 6th

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TBPA Board Members

Name	Affiliation	Phone # - Email	Fax #
Angel Goike, President	City of Clarksville	931-553-2489 angel.goike@cityofclarksville.com	931-553-2490
Donna Morrell Maloy, Vice-President	Knoxville Utility Board Knoxville, TN	865-594-8262 donna.morrell@kub.org	865-594-8316
Larry Stinnett, Immediate Past President	Backflow Specialty Co., Inc. Knoxville, TN	865-688-3171 backflowsp@bellsouth.net	865-688-3110
Kitty Banks, Secretary	TN American Water Chattanooga, TN	423-755-7605 kitty.banks@amwater.com	423-267-9384
Liba Ford, Treasurer/Membership & Newsletter	JEA Jackson, TN	731-422-7517 lford@jaxenergy.com	731-422-7530
Lloyd Rainey, Director, West	Mid America Marketing, Inc.	800-365-6154 lloyd@midamericamktg.com	901-795-0394
Frank Maccagnano Director, Middle	Murfreesboro Water & Sewer Murfreesboro, TN	615-848-3222 fmaccagnano@murfreesborotn.gov	615-848-3244
Kent Bowman, Director, East	First Utility District of Knox County	865-966-9741 kbowman@fudknox.org	865-675-4955
Wayne Cook, Director-At-Large	Shelb. Power, Water & Sewer Shelbyville	931-684-5713 wcook@shelbyvillepower.com	931-685-0113
Brent Ogles Director-At-Large	TAUD	615-896-9022 brentogles@taud.org	615-898-8283
Mike Rucker Director-At-Large	Local 572 JATC Nashville, TN	615-227-5542 mrucker@lu572.com	615-227-5892
Curtiss Davis ABPA Region 3 Director	Charleston, SC	843-200-4864 backflow11@aol.com	843-767-1705
Bruce Rathburn ABPA President		210-233-3501 bruce.rathburn@saws.org	



The Tennessee Backflow News is published quarterly by the Tennessee Backflow Prevention Association, whose members have a common interest in protecting the drinking water from contamination through cross connections. Your ideas, experience and expertise are invited and needed by the TBPA to insure a balanced approach to backflow prevention in the State of Tennessee. Your participation and support will continue to help shape the future of this industry in Tennessee.

Opinions expressed in articles, letters or advertisements in this publication are not necessarily those endorsed or supported by the TBPA. The content of this newsletter is not to be considered as legal or professional advice. Dues are \$80 annually. Annual dues include \$20 for Tennessee and \$60 for National ABPA dues. National membership is required for Tennessee membership.

Mail membership dues to:

Jackson Energy Authority
Attn: Liba Ford
P.O. Box 68
Jackson, TN 38302

For newsletter advertisements contact:

Tennessee Backflow Prevention Association
Attn: Kitty Banks
P.O. Box 6338
Chattanooga, TN 37401

Cross Connection Rule Meeting

Objective: Establish the minimum regulatory guidance for the CCC program

A group of Water Service Providers (WSP) and representatives from TDEC Division of Water Supply (DWS) met on February 24th at the offices of TAUD to discuss potential changes to the Rules governing Cross Connection Control. WSP members in attendance were representatives from Harpeth Valley, Memphis Light Gas & Water, Warren County, and Knoxville Utilities Board. In addition to representing KUB, I am proud to also represent the interests of all TBPA members on this committee.

This committee was formed in response to some inconsistency in what WSP's understood the annual survey requirement to be in their CCCP. Additionally, we determined that a proper definition of "survey" is lacking. The DWS is interested in revising the rule governing CCC to include a definitive percentage of total unprotected services to be surveyed each year.

Currently, the required number of surveys that DWS field offices have imposed on some WSP's is 5% of unprotected services. DWS sees this as an acceptable number, however the committee needs to come to an agreement with DWS on what is reasonable and achievable.

How the Rule is currently structured and the current Guidance Manual that was approved by the DWS in 2008 as a framework for utilities to develop and operate a Program was discussed. It is the opinion of the committee members and the utilities that I have spoken with that having a broadly written Rule is more appropriate given the diverse customer bases, resources, and levels of programs throughout the State.

A 5% annual requirement for surveys, (survey being a "physical cursory review" to detect anything with a potential for risk that would warrant further investigation), would be extremely difficult for many WSP's to achieve. This extreme change to the rule will impact the way in which all WSP's operate their CCCP and the resources required to meet the State guideline. Additionally, it would have a detrimental effect on the results of the Sanitary Survey.

Minimal progress was made toward a resolution at this meeting. A second meeting is scheduled for Wednesday, March 23rd.

I would like to have information from each TBPA WSP member on what the impact of this

requirement would be. For instance if you have 10,000 water services and 2,000 are protected by air gap or backflow devices, then your 5% annual survey requirement would be 400 surveys. Also include the number of personnel you have working on your CCCP, both full time and part-time.

Thank you for this opportunity to serve the Association. With input from each of you I am hopeful that we can reach a suitable resolution.

Send your information before March 23rd to:

Donna Morrell Maloy
Knoxville Utilities Board
Donna.morrell@kub.org
865-594-8262 Office
865-300-5052 Mobile
865-594-8316 Fax

Training Information

- **Plumbers and Pipefitters, Local 572, Nashville, Tennessee:** Backflow Classes for Apprentices and Journeyman, contact Mike Rucker, 225 Ben Allen Rd., Nashville, TN 37207, (615) 227-5542
- **Plumbers & Steamfitters, Local #43 JACT:** Contact Woody Evans, 3013 Riverside Drive, Chattanooga, TN 37406, (423) 365-9972
- **Knoxville Plumbers & Steamfitters, LU #102 JATC:** Knoxville, TN Contact Wayne Summers, 1218 N. Broadway, Knoxville, TN 37917 - (865) 525-6305 or lu102jatc@bell-south.net
- **Plumbers Local Union #17:** For information on classes contact Howard Burgess at (901) 368-9099 - 4229 Prescott Road, Memphis, TN 38118
- **Backflow Control:** Backflow Training Classes and Certification Classes for the State of Mississippi. For more information contact Roger Crane at (662) 333-9007 - 262 Boatner Road, Potts Camp, MS 38659
- To list or update your training classes contact Liba Ford at lford@jaxenergy.com.

TBPA/ABPA MEMBERSHIP FORM

Tennessee Backflow Prevention Association
American Backflow Prevention Association

NAME: _____

COMPANY: _____

ADDRESS: _____

CITY/ST/ZIP: _____

PHONE: _____

FAX: _____

E-MAIL: _____

CHECK ONE: RENEWAL: _____ MEMBER # _____
NEW: _____



ABPA DUES: \$60.00
TBPA DUES: 20.00
ANNUAL DUES TOTAL: \$80.00

Please remit total to:
Tennessee Backflow Prevention Association
Jackson Energy Authority
Attn: Liba Ford
P.O. Box 68
Jackson, TN 38302

*Includes bi-monthly ABPA News Magazine
and quarterly Tennessee Backflow News
Pre-payment of dues required to process application.
Membership is non-transferable. National ABPA mem-
bership required for state TBPA membership*

TBPA East Section News

I hope everyone had a safe and enjoyable winter. I'm sure many of you are like me and have had enough of the cold wet weather and looking forward to spring.

I would like to welcome TBPA's new Vice President Donna Morrell Maloy from Knoxville Utility Board and TBPA's new Middle Tennessee Director Frank Maccagnano with the City of Murfreesboro. I am sure most everyone knows Donna and Frank and I know they both will do a great job! I'm looking forward to working with both of them in the future.


A few months ago, I spoke with Brent Ogles about the TAUD Technical Assistance Program. We met in Cookeville with Troy Wedekind, the First Utility District P.E. and went over sections of the State Manual. We also looked at a detailed check list of what the DWS field office would look for during a cross connection survey. The list included: Backflow Prevention Testing, Enforcement, Records, Surveys, Inspections, Sites that Require Backflow Assemblies or Air Gaps along with Installation and Repair. TAUD offers this service, as well as, on-site technical assistance. I've talked to a few utilities that have used this program. If you or someone you know might be interested in using the Technical Assistance

Program from TAUD, give Brent a call and I'm sure he would be more than happy to help. Brent also has a blog that contains some great information about a variety of subjects going on with cross connection across the state. Take some time to look at his blog at <http://brentbackflowblog.blogspot.com>

Larry Stinnett, Richard Goodman and I have been working on the TBPA Annual Conference to be held in Gatlinburg, TN at the Edgewater Hotel – 402 River Road. By now you probably know the dates are October 13th -14th, with the Board Meeting on the 12th. We have some great speakers lined up and are working on others so plan now to attend this years conference. THANK YOU to Larry and Richard for all their help!!

Remember, the TAUD Operator Expo is May 19th in Lebanon, TN. TBPA will once again have booth at the event, so stop by with any questions or just to say Hello!!

Kent Bowman
East Tennessee Director



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Tennessee Training Calendar

• **The Fleming Training Center:** FTC offers Basic and Renewal and Cross Connection Classes to water systems and personnel throughout Tennessee. FTC is located at 2022 Blanton Drive, Murfreesboro, TN 37129, phone: (615) 898-8090, fax: (615) 898-8064. Hours of operation: Weekdays 8:00 a.m.-4:30 p.m. Central Time. For more information and a registration form visit: www.state.tn.us/environment/fleming/. Written registration and 30 days notice is required for the following classes:

2103 Cross Connection Control Basic Workshop
Duration: 3 days • Class Fee: \$275
(full time employees of public water systems are exempt)
Testing Fee: \$60 (no exemptions)

Knoxville: April 27-29	Murfreesboro: May 11-13
Jackson: April 6-8	Jackson: June 22-24
Maryville: June 8-10	Kingsport: July 13-15
	Maryville: May 25 - 27

3102 Cross Connection Control Renewal Workshop
Duration: 1 day • Class Fee: \$110
(full time employees of public water systems are exempt)
Testing Fee: \$60 (no exemptions)

Knoxville: April 26	Murfreesboro: June 21
Jackson: April 5	Jackson: July 12
Kingsport: May 24-25	Maryville: June 7

September 13 - 14

• **The Tennessee Association of Utility Districts (TAUD):** Cross Connection Renewal Classes for Municipalities and Basic Cross Connection Training Classes for contractors are available. Other classes may be available. For information on Classes and Cost you can visit the training section on their web site at www.taud.org or contact either Brent Ogles at brentogles@taud.org - (615) 896-9022 or Greg Baker at gregbaker@taud.org - (731) 225-5240 - 840 Commercial Court, Murfreesboro, TN 37129.

• **BASIC CROSS CONNECTION CLASS •**

TAUD - Murfreesboro May 11-13	TN American Water - Chattanooga July 20-22
MLGW - Memphis June 1-3	KUB Facility - Knoxville April 13-15

• **RENEWAL CROSS CONNECTION CLASS •**

TAUD - Murfreesboro May 10	TN American Water - Chattanooga July 19
MLGW - Memphis May 31	KUB Facility - Knoxville April 12

• **BACKFLOW ASSEMBLY REPAIR CLASSES •**

Tennessee American – Chattanooga
June 9: 8:30 - 4:30

Jackson Energy Authority – Jackson
July 6: 8:30 - 4:30

TAUD – Murfreesboro
July 13: 8:30 - 4:30 Sept. 28: 8:30 - 4:30

• **Memphis Light, Gas and Water:** Cross Connection Renewal Classes and Repair classes are offered. For reservation and fee information contact Barbara Taylor, Cross Connection Coordinator at (901) 528-4449 or (901) 528-7757.

• **CROSS CONNECTION RENEWAL CLASSES •**

Time: 8:00 - 4:30
Location: Mallory Pumping Station
488 North Dunlap, Memphis, TN 38105
Dates: May 26 - July 28

• **BASIC CROSS CONNECTION CLASSES •**

Southwest TN Community College - Macon Campus
5983 Macon Cove
Memphis, TN 38134
Instructor: Barbara Taylor
Contact the Continuing Education Dept. at (901) 333-4207 for class information
**NOTE: These classes are not associated with the basic and renewal classes offered by TAUD at MLGW-Memphis.

• **BACKFLOW ASSEMBLY REPAIR CLASSES •**

Location: Mallory Pumping Station
488 North Dunlap
Memphis, TN 38105

Watts (Limit 12 per class)
August 11: 12:00 - 4:00

Wilkins (Limit 8 per class)
April 14: 8:00 - 9:45 April 14: 10:00 - 12:00
October 13: 12:00 - 1:45 October 13: 2:00 - 4:00

Conbraco (Limit 8 per class)
June 16: 8:00 - 9:45 June 16: 10:00 - 12:00
December 8: 12:00 - 1:45 December 8: 2:00 - 4:00

New TBPA Members

Welcome to our newest TBPA Members. We look forward to meeting you and working with you.

Randy Newman	Lauderdale Co. Water System	Ripley, TN
Walter Church	Carderview Utility District	Butler, TN
William P. Jennings	Chuckey Utility District	Greeneville, TN
James Manning	First Utility District	Knoxville, TN
Zachary Helton	First Utility District	Knoxville, TN
Gary Quillen	First Utility District	Knoxville, TN

If you have not given TBPA a current email address please do so. This is a quick and cost effective way of keeping our membership informed. Not sure if we have your email?

Contact Michael Robeson at mrobeson@musfiber.net.

WEST DIRECTOR & VICE-PRESIDENT NOMINATIONS

It is election time for the West Directors and Vice-President of TBPA. Please submit all Nominations to one of the Committee Members:

Kent Bowman (Chairman): kbowman@fudknox.org

Wayne Cook: wcook@shelbyvillepower.com

Bradley Tomlin: btomlin@jaxenergy.com

Please submit before October 15, 2011.

TBPA NOMINATION FORM

Nomination for West Tennessee Director _____

Address _____

Telephone Number _____

E-mail address _____

Nomination for Vice-President _____

Address _____

Telephone Number _____

E-mail address _____

Nominator Name _____

Address _____

Telephone Number _____

E-mail address _____

Which section of Tennessee is the Nominator from: East ___ Middle ___ West ___

It's That Time Again

NOMINATIONS FOR AWARDS

Each year at the Annual Conference the Tennessee Backflow Prevention Association gives awards to a deserving company and persons who have contributed to the field of cross connection. All nominees must be a member in good standing of TBPA.

- 1. Individual Award (Robert Lashlee Award):** Must have excelled in the last 12 months in the field of cross connection or the backflow industry.
- 2. Individual Award:** Must have contributed outstanding work within the TBPA organization in the last 12 months.
- 3. Company or Water Purveyor Award:** Must have excelled within the field of cross connection and promoted TBPA within the last 12 months.

If you know of someone who meets these requirements please nominate them for an award. We are proud of our state and the contributions our members have made to the field of backflow and want to recognize their hard work.

Nominations committee members are Kent Bowman, Liba Ford, Randy Harrell and Michael Robeson.

Send all nominations to Kent Bowman at kbowman@fudknox.org or contact Kent by phone at: 1-865-966-9741. **Please submit nominations before September 10, 2011.**

TBPA's Newest Board Members

TBPA's Vice-President is Donna Morrell Maloy from Knoxville Utilities Board. Donna works in the Regulatory Compliance Department with one her many jobs being to coordinate the Cross-Connection Control Program for KUB.

TBPA's Middle Tennessee Director is Frank Maccagnano from Murfreesboro Water and Sewer. Frank is the Cross-Connection Control Coordinator for Murfreesboro's Water Department.

Thanks to both Donna and Frank for serving on the Board and helping all of us protect the drinking water quality in Tennessee.

ANNUAL BEST / WORST DAY CONTEST

TBPA will once again hold the Best / Worst Day Contest for our membership. We want to hear from each and every one of you, your best day on the job and/or your worst day. Send your entries to Angel Goike at angel.goike@cityofclarksville.com or fax to 931-553-2490. The winning response will be presented at the Annual Conference in October and a prize will be awarded.

You may recall Wayne Cook's winning entry last year. Please join us at the Annual Conference in Gatlinburg at the Edgewater Hotel to hear the stories of your friends and colleagues. What a wonderful way to share our experiences and connect with our fellow members.

New Advertiser

TBPA would like to welcome a new Advertiser to our Newsletter – AquaShield Backflow Enclosures.

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ASSE Standard 1060 Heater Requirements for Class I BFP Enclosures

All American Society of Sanitary Engineering (ASSE) standards are opened for review and input every five years in order to incorporate the best practices in the industry. In 2006, a working group of engineers and other industry professionals revised ASSE Standard 1060, Outdoor Enclosures for Fluid Conveying Components, which pertains to freeze and vandal protective enclosures for backflow prevention assemblies and other fluid conveying components. ASSE gives the companies holding certification three years to comply with all revisions to the standard.

ASSE Standard 1060 recognizes three classes of enclosures. Class I is a heated and insulated enclosure (R-8 minimum insulation) that is designed for freezing temperatures. Class II is an enclosure that has insulation without heat. No guarantees are made about the ability to protect against freezing with this enclosure. The Class II definition reads, "These enclosures shall be designed and constructed to be installed in minimum external temperatures of 33°F (0.6°C)." Class III enclosures are designed for security only, without any insulation or heat.

Several upgrades were made to the ASSE Standard 1060 in 2006. One of the 2006 changes was made to section 1.2.3, titled Heat Sources (Class I & I-V), which was revised to read, "Electric heat sources and electrical components which are associated with the heat source and supplied by the manufacturer shall be listed by an independent product safety listing and certification agency for use in damp locations". The inside of an enclosure that houses a backflow prevention assembly is a "damp" location.

This "damp" designation is a logical conclusion since the reduced pressure (RP) principle backflow preventers are designed to discharge water whenever a pressure differential in the water line is detected. Any RP assembly discharge will cause water spray inside the enclosure. The revised ASSE Standard 1060 in 2006 properly concluded that all heaters used for Class I freeze protection; need to be able to operate safely in the damp environment typically found inside the enclosure. It is a safety and

performance reliability issue.

So what is the practical result of the 2006 revised ASSE 1060 standard? All Class I enclosures must have a heat source that has been independently certified for use under damp conditions AND that enclosure design type must have passed the -30 F freeze protection test at the ASSE approved lab with the 'damp' certified heat source inside. Most BFPs 2" and smaller are protected from freezing with heat cables. Many standard heat cables are suitable for use in 'damp' conditions. The heat source provided for most 2 1/2" and above sized BFPs are heaters mounted within the enclosure. In the past, enclosure manufacturers used heaters that were not designed for safe & reliable operation in damp conditions.

Contact ASSE in Westlake, Ohio (440-835-3040), your enclosure manufacturer or the manufacturer's rep if you have any questions about heater certification or to request a listing of 'damp' certified heat sources offered and a copy of the independent certification. There are several models of heaters available that meet the "damp" location requirement.

Water system managers and design professionals require backflow assemblies that are listed by independent certification organizations and most maintain a list of approved assemblies. Those that maintain best practice principals should require protective enclosures and heaters certified by ASSE to standard 1060 Class I and maintain a list of approved manufacturers provided by ASSE that adhere to the 2006 revisions for heat sources.



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Norman H. Zeller Mobile: (423) 580-6084	Katherine P. Zeller Office: (706) 965-5951 Fax: (706) 965-9326
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Email: backflowtester@gmail.com

TBPA Board Meeting Update - January 5, 2011

Treasurer's report

Balance \$12,166.24. This total includes an investment CD of \$5,300.00. The Annual Financial Report was reviewed and approved. Liba will send to National.

New Officers

New Officers were introduced. Donna Morrell Maloy is Vice-President, Frank Maccagnano is the Middle TN Director and Kent Bowman is the East TN Director.

Membership

Michael completed a membership mailing to 479 water systems. It has produced 15 new members. He will send out another mailing around July and include information on the Conference, CEU's, Awards and Nominations. Michael will maintain the membership list and Liba will handle the money.

Someone from each area will visit the CCC Classes to promote TBPA Membership. Brent will speak about TBPA at the TAUD classes.

Nominations Committee

West Director and Vice-President are up for election in 2011. A Nominations Committee was formed with Kent Bowman, Wayne Cook and Bradley Tomlin.

Award Committee

Award Committee was formed: Kent Bowman (chair), Michael Robeson (East), Randy Harrell (Middle) and Liba Ford (West). These committee members will be sent a list of past winners.

Regulations Committee

A committee has not yet been formed to study the 5% rule and other State regulations. MLGW, TBPA, TAUD and Division of Water Supply all want to serve on the committee. We need to have our ideas ready in the next few weeks to present. Angel will ask Donna to serve as our representative. Board members will send ideas to Angel by email and copy to all.

2011 Conference

The 2010 Conference in Murfreesboro made a profit of \$1,771.27.

Board voted to hold the 2011 Conference in Gatlinburg, TN at the Edgewater Hotel (402 River Road). Dates are October 13-14 with the Board meeting on the 12th at 5:00 PM. Room rate is \$92 per night and good for two days before and after the Conference. (Based on 40 room nights). Hotel cost will be at least \$4,800 in food and all other fees. (Based on 80 people) We will also be charged \$25 per vendor table. If more than 80 people the cost will be more.

Speakers for the Conference were discussed and members were assigned to check with them.

TAUD

TAUD Expo (no charge to TBPA) is May 19th in Lebanon, TN.

Newsletter

Liba needs Section articles for the Newsletter - Due the 10th of the month before the Board meeting. Keith Stephens will send Liba information on heating requirements for enclosures to include in the next Newsletter.

Next meeting - Consolidated Utility - Murfreesboro, TN - April 6, 2011 at 10:00 AM

Not official minutes.



**Backflow
Specialty Co., Inc.**

Brad Stinnett
(865) 688-3171

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