

**Your Association
working for safe
drinking water
in Tennessee**

**Check Out Our Website!
www.tnbackflow.com**

BACKFLOW LINKS

For more backflow information check out these web sites:

**** Information about backflow prevention:**
www.abpa.org/backflow.htm

**** Information about water quality:**
www.epa.gov/305b/sum1.html

**** Safe Drinking Water Act guidance documents:**
<http://tis-nt.eh.doe.gov/oeqa/guidance/sdwa.htm>

**** Backflow incidents and articles:**
www.abpa.org/incidents.htm

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

TBPA



Tennessee Backflow News

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

By Larry G. Stinnett

Greetings everyone, some exciting things are happening within your association. It's hard to believe but it's time to have another election. The East TN and West TN Directors along with the Vice-President must be elected in 2003 and take office by January 1, 2004. Wayne Cook will chair the Nominating Committee and will be contacting TBPA members to serve with him. If you are asked to serve please help us by saying "yes". Your job will be to secure nominations to be on the ballot. I remind you that every member has the option of submitting candidates for these offices. If you have someone you wish to nominate, please talk to that person before submitting his or her name. Look for the call for nominations in this issue of the newsletter.

The Manual Update Committee is working diligently to complete their work on updating the State Cross-Connection Control Manual. This project has been a long time coming but the results will be worth the wait. I get excited just thinking about what a great tool this will be for the utility industry. I would like to thank all the Board of Directors for the professional manner in which they conduct the business of the Association. Your work does not go unnoticed.

I sincerely hope everyone is making plans to attend the Annual Conference in Nashville. Information is contained in this newsletter. The Conference will have great speakers, and will be held at an excellent hotel and conference center. As always, it will be good to see old friends and make new ones. See you there!

2003 Conference Nashville

The eight annual Tennessee Backflow Prevention Association Conference will be held in Nashville, Tennessee on Thursday and Friday, October 16th and 17th, 2003.

you are with TBPA and register before October 1st to receive this rate.)

Directions: All interstates (I-65, I-40, I-24) connect to the downtown area. Exit on Demonbreun and drive toward the downtown area. Take a left on 4th Avenue. The Hilton is immediately on the left.

Watch for the Conference mailing and come join the fun!!

Upcoming Events

- October 16-17, 2003 — TBPA Annual Conference - Hilton Suites Nashville, Downtown - Nashville, TN
- January 7, 2004 — TBPA Board Meeting - 10:00 AM 230 Ben Allen Rd., Nashville, TN

Fall 2003



**NEXT
MEETING**

**6:00 PM
Wednesday
October 15,
2003
Hilton Suites
Nashville, TN**

**Check Out
Our Website!
www.tnbackflow.com**

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Tennessee Backflow Prevention Association

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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 \$50 annually**, and are payable to the TBPA Treasurer. Annual dues include \$20 for Tennessee and \$30 for National ABPA dues. National membership is required for Tennessee membership.

The TBPA Treasurer address is:

Tennessee Backflow Prevention Association
Liba Ford, TBPA Treasurer
c/o JEA, P.O. Box 68, Jackson, TN 38305

All other info requests and inquiries, including newsletter items and advertisements can be directed to:

Tennessee Backflow Prevention Association
Attn: Angel Goike, Secretary
c/o City of Clarksville
1030 Pumping Station Rd.
Clarksville, TN 37043

Update On Our New Region 3 Director

Ronnie West, our ABPA Director for Region 3 recently retired from the Public Works Commission of the City of Fayetteville, NC. Ronnie had 36 years of service with the PWC.

He is currently employed with Infotec, LLC in Carthage, NC. The State of North Carolina requires certifications much like Tennessee. Infotec is a company that provides the training needed to complete the testing to obtain certifications for Cross Connections, Water and Wastewater Distribution.

TBPA sends its congratulations to Ronnie on his retirement and wishes him all the best in his new job.

New TBPA Members

The Tennessee Backflow Prevention Association would like to welcome our newest members. We are delighted to have you join us in TBPA! We hope to see you at the Conference in October.

Annie Chiodo, City of Waynesboro
Roger Crane, Backflow Control
Scott Miller, Dickson Co. Water Authority
Ron Parrish, Parrish Service

CALL FOR NOMINATIONS



EAST TN DIRECTOR
WEST TN DIRECTOR
VICE PRESIDENT

If you are interested in one of these positions or have someone you want to nominate contact Wayne Cook at 931-684-5713 or waynecook@blomand.net

REPAIR CLASS

The third Backflow Prevention Assembly Repair Class on the 5th of August had 36 people in attendance. The class was lead by Michael Ray from the Febco factory and the local representative Mr. Todd from TODDCO. The handouts and information that was discussed will be very helpful to those repairing Febco Backflow devices.

If you have not signed up for the one remaining class there is still time and space available. On November 13th Mr. Maury Nelson will be conducting the class that will feature AMES products. He will be covering the 3/4" to 4" devices. Mid-America is the local representative for AMES products. Use the registration form found in this Newsletter. Remember, continuing education credits will be given for attendance.

** Remember to watch the Newsletter for the 2004 Classes that will cover Administration and Surveying for a Cross-Connection program.

To advertise in the TBPA Newsletter contact Liba Ford. Cost is \$100 per year.

TBPA/ABPA MEMBERSHIP FORM

Tennessee Backflow Prevention Association
American Backflow Prevention Association

NAME: _____

COMPANY: _____

ADDRESS: _____

CITY/ST/ZIP: _____

PHONE: _____

FAX: _____

CHECK ONE: RENEWAL: _____ MEMBER # _____

NEW : _____

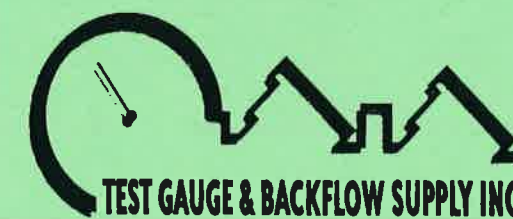


ABPA DUES: \$30.00
TBPA DUES: 20.00
ANNUAL DUES TOTAL: \$50.00

Please remit total to:
Tennessee Backflow Prevention Association

Liba Ford
c/o JEA
P.O. Box 68
Jackson, TN 38305

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 membership required for state TBPA membership



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Backflow Specialty Co., Inc.
Larry Stinnett


3019 E. Emory Road (865) 925-0058
Knoxville, TN 37938 Fax: (865) 925-0058
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MIKE TRIGG
Training Coordinator


225 Ben Allen Road Bus. Phone: (615)227-5542
Nashville, Tennessee 37207 Fax: (615)227-5892
www.uatn.org/572/572.htm local572jate@mindspring.com



Backflow Devices Testing & Repair Company
"Together we can protect our drinking water."

Norman H. Zeller Katherine P. Zeller
Pager: (423) 527-1468 Phone: (706) 965-5951
Mobile: (423) 580-6084 Fax: (706) 965-9326
E-mail: backflowtester@netzero.net

Sales - Service - Testing



GRADY'S BACKFLOW
Dyersburg, TN 38024

Grady Gentry 2365 Henry St.
Mob. (731) 225-1691 Work (731) 286-4271
Fax (731) 287-8159 Home (731) 285-2128
E-mail: gmgency@bellsouth.net

Tennessee Training Calendar

Tennessee Department of Environment and Conservation - Cross Connection Control Training Classes

Fleming Training Center
2022 Blanton Drive
Murfreesboro, TN 37129
615-898-8090
<http://www.state.tn.us/environment/dca/fleming.htm>

The classes offered by the Fleming Training Center are free of charge to any person who wishes to attend. Written registration is required, however, a minimum of thirty days in advance of the class. Confirmation letters for all classes/seminars will be sent out to registrants approximately three weeks prior to class and will contain pertinent details regarding exact location, class content, and materials. For information on class content for Cross Connection Control Workshops call Mr. Brent Ogles at 615-898-8090.

Cross Connection Control Workshop (BASIC) (4 days)
(Textbook: None) Classes are at the Fleming Training Center in Murfreesboro unless otherwise indicated. See Schedule Below.

Cross Connection Control Workshop (RENEWAL) (2 days)
(Textbook: None) Classes are at the Fleming Training Center in Murfreesboro unless otherwise indicated. See Schedule Below.

Cross Connection Control Classes	
No.	Course Name
2103	<p>Cross Connection Control Workshop (BASIC) (3 1/2 or 4 days - dependent upon location) (Textbook: None; approved procedure sent with confirmation letter)</p> <ul style="list-style-type: none"> • August 19 - 22, 2003 - Kingsport (3 1/2 days) • September 9 - 12, 2003 - Knoxville (3 1/2 days) • October 6 - 9, 2003 (4 days) • November 17 - 20, 2003 (4 days) • January 20 - 23, 2004 (4 days) • March 22 - 25, 2004 (4 days) • April 13 - 16, 2004 - Kingsport (3 1/2 days) • April 27 - 30, 2004 - Knoxville (3 1/2 days)
3102	<p>Cross Connection Control Workshop (RENEWAL) (1 1/2 or 2 days - dependent upon location) (Textbook: None; approved procedure sent with confirmation letter)</p> <ul style="list-style-type: none"> • August 18 - 19, 2003 - Kingsport (1 1/2 days) • September 8 - 9, 2003 - Knoxville (1 1/2 days) • December 15 - 16, 2003 (2 days) • February 9 - 10, 2004 (2 days) • April 12 - 13, 2004 - Kingsport (1 1/2 days) • April 26 - 27, 2004 - Knoxville (1 1/2 days)

- **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. Contact Greg Baker or Melanie Hammon, 840 Commercial Court, Murfreesboro, TN 37129, (615) 893-9022
- **Memphis Light, Gas & Water (MLGW):** Classes are held in the greater Memphis Tennessee area on an annual basis. Contact Barbara Taylor or Paulette Swanson, P.O. Box 430, Memphis, TN 38101-0430, (901) 528-4449
- **Plumbers and Pipefitters, Local 572, Nashville, Tennessee:** Backflow Classes for Apprentices and Journeyman, contact Mike Trigg, 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
- To list or update your training classes contact Eddie O'Neill at eoneill@jaxenergy.com

If you would like to see specific information in the newsletter or would like to submit an article, contact Eddie O'Neill at eoneill@jaxenergy.com. Your comments are appreciated.

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TBPA BOARD MEETINGS

October 15, 2003 Board Meeting ~ October 16-17, 2003 Annual Conference ~ Hilton Suites, Nashville, TN
January 7, 2004 Board Meeting ~ 230 Ben Allen Rd., Nashville, TN
All Members Welcome

Backflow Prevention Assembly Repair Class

Who: Joint Effort of Tennessee Backflow Prevention Association and Fleming Training Center
What: 2003 Quarterly Backflow Prevention Assembly Repair Classes
 Each quarter features a different manufacturer's products
When: November 13, 2003 8:30-4:00 Featuring Ames Products
Where: Fleming Training Center, 2022 Blanton Drive, Murfreesboro, TN 37129 - (615) 898-8090
Contact: Brent Ogles at (615) 898-8090 or Wayne Cook at (931) 684-5998




Classes feature the following:

- Double Check Valve Assemblies, Reduced Pressure Principle Assemblies, Vacuum Breakers
- Repair of varying device sizes from 3/4" to 4". All devices on State approved list.
- Drawings and handouts available.
- Explanation of assemblies and parts used in repair
- Complete repair of devices and tools needed
- When to repair and when to replace
- What should be replaced when a device fails
- Other products included in some classes, i.e. Thermal Expansion Chamber, etc.
- Continuing Education Credits will be given

Don't miss the opportunity to expand your knowledge on these valuable topics regarding Backflow Prevention Assembly Repair.

No cost but class size is limited and **registration is required.**

Please use registration form below, indicating the date (or dates) you wish to attend.

 <p>DEPARTMENT OF ENVIRONMENT AND CONSERVATION Training Class / Seminar Registration</p> <p>REGISTRATION REQUIRED Only <u>One</u> Person and <u>One</u> Class/Seminar Per Registration Form!</p>			
<p>Register early! Written registration is required for all classes and seminars. Registrants will be mailed specific information as to location, times, etc., approximately three (3) weeks prior to class. Complete the form below and mail or fax at least thirty (30) days prior to class to: Fleming Training Center - 2022 Blanton Drive - Murfreesboro, TN 37129 Fax: (615) 898-8064 (All faxes should be printed or type written.)</p>			
N/A	Backflow Prevention Assembly Repair Class		
COURSE NUMBER (Mr./Ms)	TITLE OF COURSE	DATES OF COURSE	
NAME	SOCIAL SECURITY NUMBER*		
E-MAIL ADDRESS	HOME PHONE		
MAILING ADDRESS: STREET OR PO BOX	CITY	STATE	ZIP
EMPLOYER	WORK PHONE		
PWSID # OF FACILITY WHERE EMPLOYED (if applicable)	NPDES # OF FACILITY WHERE EMPLOYED (if applicable)		
EMPLOYER ADDRESS: STREET	CITY	STATE	ZIP

*In order to complete our administrative activities, we have to ask for certain personal identifying information. It is required that you submit this information under state and federal law, T.C.A. §36-5-711 and 42 USC §654a. This information is for the use of the department and is not disclosed to the public. Your social security number is required for registering or enrolling in classes when the registrant is a certified operator. It is optional whether you comply with any other request we make for a social security number.

CN-0863 (Rev. 5/2002)

RDA 2390

Test Your Skills

Here are the answers to the last Newsletter "Test Your Skills" questions:

1. (b) 2. (c) 3. (a) 4. (c) 5. (c) 6. (b) 7. (c) 8. (e)
 9. (b) 10. (d) 11. (b) 12. (b) 13. (b) 14. (d) 15. (c).

Did you come out on top with your answers from the last Test Your Skills test? If not, maybe this next set of questions will help to build your confidence. With these questions we get back to the basics.

We hope you enjoy the tests and find all the questions interesting. Put your pencil to these and see if you can answer with ease. Remember, the answers to these questions will be found in the next Newsletter.

- 1.) A water heater pressure of 150 psi and a service pressure of 80 psi will likely result in:
 - a. backpressure backflow.
 - b. backsiphonage backflow.
 - c. containment.
 - d. isolation.
 - e. water hammer.
- 2.) A pipeline flow restriction from calcium deposits will cause a water flow:
 - a. contamination.
 - b. interruption.
 - c. pressure increase.
 - d. velocity decrease.
 - e. velocity increase.
- 3.) A plumbing system 'dead end leg' may allow the following:
 - a. bacteriological growth.
 - b. backsiphonage.
 - c. fixture protection.
 - d. pressure reduction.
 - e. surge protection.
- 4.) A stop and waste valve is a potential underground hazard because of its:
 - a. accessibility.
 - b. confined space limitation.
 - c. electrical conductivity.
 - d. size.
 - e. waste vent.
- 5.) With the exception of a boiler drain and washing machine, a vacuum breaker is required on:
 - a. coffee urns.
 - b. hose bibs.
 - c. kitchen faucet outlets.
 - d. refrigerator ice makers.
 - e. solar panels.
- 6.) A pressure vacuum breaker assembly may be subject to backpressure if there is a(n):
 - a. atmospheric vacuum breaker downstream.
 - b. double check valve assembly upstream.
 - c. supply pressure decrease.
 - d. supply pressure increase.
 - e. mud plugging a test cock opening.
- 7.) A double check valve assembly submerged below ground may allow systems contamination from a:
 - a. closed check valve.
 - b. closed isolation valve.
 - c. closed test cock.
 - d. frozen and cracked test cock.
 - e. mud plugging a test cock opening.
- 8.) A spider's web connecting an atmospheric vacuum breaker's inlet and canopy may:
 - a. cause a check valve failure.
 - b. introduce contaminants.
 - c. prevent the valve's closure.
 - d. prevent the valve's opening.
 - e. prevent the valve's removal.
- 9.) Tubing downstream of a carbonated beverage backflow preventer should be:
 - a. copper.
 - b. ductile iron.
 - c. galvanized.
 - d. plastic.
 - e. Teflon coated.
- 10.) Black water from a fire-sprinkler system is caused from:
 - a. bacteriological growth.
 - b. chromium.
 - c. grease.
 - d. machine oil.
 - e. magnesium.
- 11.) Smaller diameter reduced pressure principle assemblies are allowed to have a(n):
 - a. dual relief valve discharge.
 - b. fewer number of test cocks.
 - c. greater pressure loss at its rated flow.
 - d. internal 100 mesh stainless steel strainer.
 - e. tamper resistant access bolts/screws.
- 12.) An air-gap separation is increased fifty (50) percent if the outlet is close to a(n):
 - a. atmospheric vacuum breaker.
 - b. control valve.
 - c. obstruction.
 - d. pipe chase.
 - e. vacuum hood.
- 13.) A detector assembly flow indicator is typically located at the:
 - a. bypass assembly flow inlet.
 - b. bypass assembly flow outlet.
 - c. mainline check number 1 inlet.
 - d. mainline check number 2 inlet.
 - e. mainline check number 2 outlet.
- 14.) Reduced pressure principle assemblies are installed above ground to avoid:
 - a. blocking requirements.
 - b. low-flow velocities.
 - c. submersion.
 - d. temperature extremes.
 - e. vandals.
- 15.) A backflow preventer emitting noise will likely have a internal:
 - a. check valve.
 - b. control valve.
 - c. failure.
 - d. stainer.
 - e. Venturi.

TBPA would like to thank DWBP for permitting us to reprint this article. They may be reached at 1-888-FOR-DWBP. To see a copy of the new EPA Cross-Connection Control Manual - <http://www.dwbp-nline.com/EPA03manual.pdf>