

**Safety to Life Through Code Enforcement**

# COCCO

North Carolina Council of Code Officials

## When Do You Remember?

*Tim Bradley, Senior Deputy Commissioner of Insurance*

**A** while back during a discussion on sprinklers in schools I had a building code official ask me when was the last time I remembered a modern school burning. Six months later a fairly modern school burned in Guilford County. It was a total loss.

I suspect policy makers in that county have a different concept of sprinklers in school now. I always hoped that individual remembered the conversation as well as I did.

Traditionally, our nature is to be reactive. It is also our nature to focus on the spectacular. While select individuals may espouse warnings about pending disaster potential, most people aren't really concerned till one occurs. Unfortunately, tragedy can come in small increments or significant events with large life loss, but people tend to react more quickly to the larger event. Injury prevention experts have taken advantage in many cases of disaster by using them as a catapult to get safety regulation passed. The only problem is that once the shock of the disaster wears off, people forget the argument. A good example is the fire and life loss that occurred in Rhode Island at the Station nightclub fire February 20, 2003. Many of us remember appearing before several legislative study committees asking how we could make sure this didn't happen in North Carolina. I was impressed with the statement of *Ms. Renee Walton* made in the report of the fire to the Rhode Island General Assembly called *Making Rhode Island the Safest State*. She was interviewed and her quote was included in the section of family members and survivors:

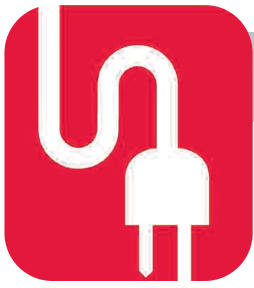
*"And I'm sure if you ask one of the owners of the club now if they could go back three months and three days, would they have sprinklers in their building, I'm sure they would say yes."*

It is our responsibility as code officials to pass and enforce codes designed to keep citizens safe while in buildings. If we don't remain vigilant of these issues we are doomed to repeat that which occurred before.

Occupancy and egress for example have been affected by public assembly fires on numerous occasions, yet if you look around you can find numerous examples of blocked exits today. I recently read a book titled *The Tinder Box: The Iroquois Theater Fire 1903*, by Anthony P. Hatch. It involved Chicago's most deadly single fire that occurred less than a month after the opening of the new *reportedly fireproof Iroquois Theater*. It was an evening of standing room only for a holiday musical "Mr. Blue Beard, Jr." Of the 1,900 people in the au-

dience, many who were women and children, 603 died. Oddly enough, among the 500 performers and backstage personnel, only one was killed who was the tightrope artist high above the stage. Due to a long history of theater fires in the U.S. and Europe, fire precautions that were well developed at the time were not followed by the management. They thought it was fireproof. One primary violation came from the stage scenery consisting of canvas backdrops painted with highly flammable oil paints. These were placed close to a large number of hot lights. Adequate exits existed but were blocked or locked and trained ushers could have prevented many deaths from the panic. They just weren't used. At 3:15 p.m. a hot light started a fire on a velvet curtain. The on-duty fireman was equipped with two tubes of patent powder called Kilfyres. When an attempt was made, sprinkling these on the fire proved totally useless. The asbestos fire curtain which was supposed to come down and separate the audience snagged before it reached the full down position. The curtain was apparently instantly consumed in the fire. The inexperienced stage crew was slow to pull down the asbestos curtain, and as at least one survivor testified, may have pulled down a scenery curtain, instead of the fire curtain. As the fire started the orchestra continued to play on, and the leading actor urged people to remain calm and seated. Although this no doubt prevented some deaths from those who did panic and rush out, those who heeded his advice perished in the rapidly developing fire. A number of victims were found still seated. The theater management had added iron gates over many of the exit doors to prevent people from gaining access without paying, so some of the gates were locked, others were unlocked but opening them required operation of a small latch which was unfamiliar to most patrons. Other doors opened inwards. Many people were trapped behind these unopened doors. The time it took to open the other doors added panic as it forced almost everyone to funnel together to use the main exits. Trampled bodies were piled several high in the stairwell area where exits from the balcony met the exit from the main floor. More fatalities occurred when fire broke out underneath an alley fire escape. People above the fire jumped.

All injuries occurred within 15 minutes of the start of the fire, which was reportedly under control by the fire department within half an hour. It wasn't an issue of poor response, or delayed alarm by the fire department. It was an issue of complacency by Chicago's building officials and the owners. With advances in building construction and regulation, we tend to forget that life safety in structures involves not only designing and construction of a safe building, but operating it in the same manner. It also involves looking at the past and potential for the future.



## News from the NC Ellis Cannady Chapter, IAEI

### Presidential Views

What's going on? How am I possibly going to get this done? I find myself asking these questions much more often than I ever dreamed. I know we all have a massive amount of data, tasks and challenges to process each day. How do we decide where the most effort is needed? What core values come into play? Sometimes the pressure is so great we might forget to check our core values, our ethics, really what Mom, Dad and the Preacher were all trying to set us straight on. The bottom line is our decision. With help from those around us let's always try to succeed in our obligations and endeavors without harming or unduly burdening others.

We have had many challenges in our industry in the past few years, more than I can remember at any other time. I thank all our members, leaders and industry partners for their efforts to improve our industry, our codes and standards, and to do so with others in mind. We may not have achieved our desired outcomes, but we have worked hard to do what we can and continue to look for other opportunities for improvement.

The statutes have changed, the evaluation of industrial machinery IS NOT a part of code enforcement, plan review or inspections, per NC State General Statute 143-138(b). For purposes of educating those involved in our process we may need to issue a statement clarifying the responsibility no longer falls on us. Perhaps the following statement would serve the purpose: The department or the inspector, neither has nor accepts any responsibility for the industrial machinery or it's affects on the electrical system. I believe we need to communicate the underlined portion so that those who do not to understand the science of electricity will know that improperly imposing the exempted equipment on a correctly designed, installed and inspected system may invalidate the approved criteria of the electrical system.

Things have changed, always will, and we must find a way to continue to help others understand the impact on them. Our largest tool is education. If we can get all those involved in the daily applications and use of electricity to understand its awesome power, and how it is safely handled we will have succeeded. Members we need all of you to make this a part of your daily responsibility, prepare yourself and be able to answer why, and not with just the code, statute, or standard says so.

I hope all members, inspectors, and departments have received the announcement and registration forms for our Annual Chapter Meeting. You can see all the details on [www.nciaei.org](http://www.nciaei.org), please attend if possible and let others in the industry know of this educational and networking opportunity.

I hope to see you there, and with someone you invited.

*Again,  
Thanks to all,  
Gary Mullis, Chapter President*

### Industry Events

IAEI Southern Section Meeting

October 6-11, 2007

Florence, AL

Annual NC IAEI Chapter Meeting

November 4-6, 2007

University Hilton

8629 J M Keynes Drive (Just off of Harris Blvd.)

Charlotte, NC 28262

### Continuing Education Seminar

December 4, 2007

Wayne Community College  
Continuing Education Office Building  
3000 Wayne Memorial Drive  
Goldsboro, NC 27534  
Phone: 919-735-5151

### Continuing Education Seminar

December 18, 2007

Randolph Community College  
629 Industrial Park Avenue  
Asheboro, NC 27205  
Phone: 336-633-0224

### Continuing Education Seminar

January 15, 2008

Martin Community College  
1161 Kehukee Park Road  
Williamston, NC 27892

### NC Electrical Institute

April 1-2, 2008

North Raleigh Hilton

### New Faces and Places, Retirements

**Joe Starling**, City of Atlantic Beach Inspections is newest member of the Public Relations and Publicity Committee. Welcome Joe! We look forward to having another Chapter member on one of our committees.

**James Kennedy Jr.**, retired Chief Electrical Inspector from Winston-Salem, has been appointed another four year term on the Qualification Board for Electrical Inspectors. James is an excellent choice for this position, and has already served the citizens of North Carolina well. As a long-time and respected member of the IAEI Ellis Cannady Chapter, he will help insure that our Inspectors continue to be qualified for service to our communities in electrical safety

### Behind the Scenes

**Nick Fountain**. The members of the NC Ellis Cannady Chapter IAEI would like to say a special thanks to Nick Fountain, our association's attorney, and to the entire firm of Young, Moore and Henderson for their support of his work with us. Nick has helped us through some trying times, and become a friend to many of us. Nick actually understands the hazards posed by the incorrect use of electricity, and cares about public safety. Thanks Nick, it's good to know you're there when we need you!

### Behind the Scenes

**Alton Thompson**, is living with his daughter in Fayetteville, NC, and is suffering from Alzheimer's. Our thoughts and prayers are with Alton and his family.

**Mark Tighe**, Chief Electrical Inspector in Winston-Salem, continues to be very ill following a past surgery, and we wish him a speedy recovery. Mark will not be returning to work anytime soon. Our thoughts and prayers are with him and his family, and we wish him a speedy recovery.

**Thomas Hoyte Presson**. Mr. Presson, 81, of Charlotte, died Monday, September 17, 2007 at Presbyterian Hospital. Born July 15,

1926 in Union County, N.C., Mr. Presson was a son of the late Carl and Lilly Pritchard Presson. He retired from Duke Power as an Electrical Engineer and was active in the Duke Power Retirees. He enjoyed tutoring children and helping others. Mr. Presson was a strong supporter and was very active in Alcoholics Anonymous for the past 38 years. In addition to his parents, he was preceded in death by his first wife, Bette Jeanne Presson, a grandson, Zachary McCorkle, a granddaughter, Melissa Sifford, and two brothers, Bill Presson and Leon Presson.

He is survived by three daughters, Lynda Presson McCorkle and her partner John Hefner, of Indian Trail, Pamela Presson Wade and her husband, Kenneth, of Pageland, SC and Wanda Presson and her husband Julian Burns, of Charlotte; two sons Vic Hudgens and his wife, Laura and Chuck Hudgens and his wife, Rhonda, all of Charlotte; a sister, Eleanor Presson Ewing of Charlotte; seven grandchildren, Sandy Barnes, Rikki Howell, Rebecca McCorkle, Montana Hudgens, Alan Hudgens, Jonathan Hudgens and Katie Hudgens; and two great-grandchildren, Ashly Howell and Hunter Howell.

In lieu of flowers, memorials may be made St. Jude Children's Research Hospital, 501 St. Jude Place, Memphis, TN 38105 or Crisis Assistance Ministry, 500-A Sprat Street, Charlotte, NC 28206.

Please keep our friends Wanda Presson and Julian Burns in your prayers during this difficult time.

## Safety Reminder

Now, it's more important than ever to report potentially unsafe equipment and machinery to NC OSHA.

1). Go to [www.nclabor.com](http://www.nclabor.com), under "Quick Clicks" on the right-hand side, click on "Safety and Health Complaints". On this page, you will see the statement: "Anyone who knows about a workplace safety or health hazard may file a complaint, and OSHNC will investigate the concerns reported". You can file a complaint online.

2). On the left-hand side of the page, are the phone numbers for the Eastern and Western Bureau Chiefs. Tim Childers is the Western Bureau Chief, his number is 336-776-4420. Tom Hayes is the Eastern Bureau Chief, his number is 919-779-8512. Also, you can call the OSH Complaint Desk at 919-807-2796, 919-662-4309, or 800-NC-LABOR (800-625-2267).

If you file a complaint, and do not get a satisfactory result, or do not get information on the results of the compliant / OSHA Inspection, contact us at the NC Ellis Cannady Chapter IAEL. Go to [www.nciae.org](http://www.nciae.org) and click on "Contact", and fill out the form. We will assist you in getting an answer.

Thank you for helping to keep NC workplaces safe!

## Accidents / Incidents

**Fire in Gastonia Parkdale Mills.** A flash fire at a Parkdale Mills plant in Gastonia sent three employees to the hospital. The workers were doing routine maintenance on an electrical panel when a fire began around 11:45 a.m., said Jim Landis, Gastonia Fire Department spokesman. The employees suffered burns, but their injuries are not life-threatening, a Gaston Emergency Medical Services dispatcher said. The employees were transported to Gaston Memorial Hospital.

We fear now that since Senate Bill 490 has passed **Fire, Explosions will likely increase.** We will continue to track and report these incidents. In the meantime, those in the safety community will keep trying to educate the public and business owners. It will be noted in every newsletter issue when these incidents could be a result of this legislation and all those who helped make it law.

## Product Safety

**Control Panels.** Many equipment systems have a main control

panel as the heart of their electrical system. A great deal of these control panels are only connected to the equipment by a few cables or a single conduit. Some are not even physically mounted on or near the equipment and machinery being controlled. Since these control panels have no moving parts, and do not produce anything expect organized energy and instructions, we hope they will not be considered machinery or part of the machine. Every day, testing lab inspectors find serious deficiencies with these control panels, including: Misuse of certified components, incorrect or missing short circuit and overload protection, easy access for shock and electrocution, unknown / untested components, incorrectly sized motor overloads, incorrect electrical ratings, ordinary location panels in a hazardous location application, just to name a few. There are many options for manufacturers of these panels to get them Listed – almost all the test labs have a program for this. Without proper training and continued follow-up, these panels represent known hazards and a liability to the owner and anyone else who performs work associated with them. Recently, there have been control panels coming in from China.

**Chinese Extension Cords** have been reported for sale, with counterfeit manufacturer logos on them, and counterfeit testing laboratory marks. Some of these extension cords contain toxic and radioactive metals in the conductors, and toxic plastic in the conductor jacketing and cables. If you see any of these extension cords (Or any other certified product that looks suspicious), please report them to the testing lab whose mark is being claimed on the product. Try to get a sample of the suspicious product.

## Legislative Actions

### Senate Bill 490 and What It Means to the Inspectors

What started out as an effort by those concerned with economic development and many others to eliminate the requirement for Third Party Testing of Industrial Equipment was carried to the extreme. Our NC Legislators took the lead for the Economic Development Community on writing the bill. Somewhere during the course of development the bill was changed to exempt Industrial Machinery from all building codes.

The underlined paragraph below is a copy of the changed text of GS 143-138 (b).

Nothing in this Article shall extend to or be construed as being applicable to the regulation of the design, construction, location, installation, or operation of industrial machinery. However, if during the building code inspection process, an electrical inspector has any concerns about the electrical safety of a piece of industrial machinery, the electrical inspector may refer that concern to the Occupational Safety and Health Division in the North Carolina Department of Labor but shall not withhold the certificate of occupancy nor mandate third-party testing of the industrial machinery based solely on this concern. For the purposes of this paragraph, 'industrial machinery' means equipment and machinery used in a system of operations for the explicit purpose of producing a product. The term does not include equipment that is permanently attached to or a component part of a building and related to general building services such as ventilation, heating and cooling, plumbing, fire suppression or prevention, and general electrical transmission.

Let's break it down to simple language based on an Inspector's perspective. The first sentence takes away the code officials ability to ensure the safety of the general public and employees.

- **Design:** This allows for the equipment to disregard applicable standards of the United States and could result in misapplication of safety standards in that foreign standards often are not effective or compatible with our electrical systems.
- **Construction:** This applies to the construction of the industrial

machine meaning the material used in construction of the machine, lead paint, asbestos, or other toxic items used in the manufacturing of the equipment.

- **Location:** The code official has no right to question the location of the equipment. It may be installed to block exits for the worker or be located in classified areas when the equipment is not rated for the environment. It also may be located in front of other building components.
- **Installation:** The code official has no right to question the weight of the equipment to verify that the building components will support the equipment.
- **Operation:** The code official can not ask what the current draw or fault current contribution of the industrial machine is. How do you ensure service size, feeder size, or bracing is correct? If the owner does not want to install a safety disconnect at the industrial machine they do not have to (think of all the money they can save here). If the owner chooses to install oversize overcurrent protection they can do so. If they do not want to ground the equipment because that cost too much money they do not have to.

## Definition of Industrial Machinery

As Defined in the statute: For the purposes of this paragraph, 'industrial machinery' means equipment and machinery used in a system of operations for the explicit purpose of producing a product.

**Don't be led astray by this definition.** This does not mean cooking, baking, polishing, spraying, or packing a product unless it is part of a system of operations for producing a product. As you can see the interpretation of the bill's language will likely cause multiple challenges.

Most authorities will probably need a set of guidelines and/or many rulings from their attorney on when a piece of equipment or system of operations is exempted from evaluation by the code enforcement official. We recommend that inspectors keep explicit notes on file when these challenges come into play. The simplest policy would be to not have this equipment on site until the final or CO has been issued. If this is not possible it seems to be advisable that those involved with the project be given notice that the inspection does not cover the industrial machinery or it's affects on the electrical, mechanical, fire, plumbing and building components and systems.

Lastly we note that per the bill only the electrical inspector may refer concerns to the NCDOL/OSHA. Most authorities will need to have this addressed by an attorney for policy enactment and liability issues, so that the departments and the inspectors are performing their duties in a way that no liability is incurred.

Please advise us of your policies or concerns as they arise. Our association will continue to keep you all informed as developments occur relating to these changes.

## FYI

**2008 NEC Code books .** 2008 Code books are now available! Check our website for updates on the status of the NC adoption of the 2008 NEC. Make sure everybody you know that uses the Code has an opportunity to have their own copy. Check our website [www.nciae.org](http://www.nciae.org) for when the 2008 Code books will be available, as well as other educational materials and IAEI NC Chapter promotional items. We have special prices for 2008 Code book and analysis, if purchased in lots of 10.

**NEC Continuing Education Classes for 2007-2008.** Our continuing education classes for 2006-2007 were a great success! Thanks to all those who attended, and another special thanks to our instructors, Danny Thomas, Terry Cromer, Julian Burns, Don Hursey and Gerald Harvell. Thanks also to the Education Commit-

tee Chairman Mitchell Bryant and to NCBEEC Continuing Education manager Al Parris for their help and contributions to the seminar sessions. Visit our chapter website for updates on continuing education. Our next meeting that includes Continuing Education is our annual Chapter meeting in Charlotte, November 4-6.

## NCECC ANNUAL MEETING PRE-REGISTRATION FORM

**N.C. Ellis Cannady Chapter, IAEI**  
**November 4-6, 2007**  
[www.nciae.org](http://www.nciae.org)

**Charlotte University Place Hilton**  
**8629 J M Keynes Drive**  
**Charlotte, NC, 28262**

COMPLETE ONE FORM PER REGISTRANT. Duplicate as necessary.

\_\_\_\_\_  
 Last, First, Middle initial

\_\_\_\_\_  
 Spouse/Guest Name

\_\_\_\_\_  
 Representing

\_\_\_\_\_  
 Email Address

\_\_\_\_\_  
 City State Zip

\_\_\_\_\_  
 Phone Number

Pre-registration Fee:

Member @ \$175.00 \_\_\_\_\_  
*(Includes Spouse)*

\_\_\_\_\_  
 IAEI Membership #

Non Member @ \$220.00 \_\_\_\_\_  
*(Includes Spouse)*

Contribution to  
 Dave Maddrey Fund \_\_\_\_\_

Total \_\_\_\_\_

Payment By:  Check  Visa  MasterCard

Charge Card Number (Visa or MasterCard Only)

Name on Card \_\_\_\_\_

Exp. Date \_\_\_\_\_

\_\_\_\_\_  
 Signature of card holder and date

**Make check payable to:** N.C. Ellis Cannady Chapter, IAEI

This course when offered during fiscal year 2007-2008, meets the requirements of the North Carolina Code Officials Qualifications Board for continuing education credit. This course is not sponsored by the Board. This course when offered during fiscal year 2007-2008, meets the requirements of the North Carolina State Board of Examiners of Electrical Contractors for eight (8) contact hours of continuing education credit. This course is not sponsored by the Board.

Check if you wish credit for continuing education hours for license renewal. You must provide last 4 digits of Social Security No. \_\_\_\_\_

Check if you wish credit for continuing education hours for inspector certificate renewal. You must provide Certificate No. \_\_\_\_\_

YOU MUST PRE-REGISTER TO RECEIVE CONTINUING EDUCATION CREDIT

\_\_\_\_\_ total number attending Sunday's Opening Dinner

\_\_\_\_\_ total number attending Monday's Social & Banquet

\_\_\_\_\_ total number attending Spouse's Program

Mail completed form and check to: N.C. Ellis Cannady Chapter, IAEI

Attn: Mary Higgins

P O Box 18727

Raleigh, North Carolina 27619-8727

(919) 733-9042 ext. 205



## News from the NC Fire Marshal's Association

The NC Fire Marshals Association and the NC County Fire Marshals Associations held a joint meeting August 23, 2007 in Winston-Salem, NC as part of the NC Fire Chief's and NC State Firemen's Association Annual meetings. Mr. Richard Strickland with OSFM gave a presentation on the code adoption process for the NC. Each association followed with business meetings. The next meeting of

the NC Fire Marshals Association will be November 7, 2007 in Sanford, NC.

The Officers and Directors of the NC Fire Marshals Association are excited to announce that the 2007 Educational Workshops will be held on the following dates. October 16-17, 2007 at Pitt Community College in Greenville, NC., November 1-2 in Durham, NC and the week of November 27th in Hickory, NC.

CEU credits will be given for these workshops.



## News from the NC Building Inspectors Association

Whee! What a summer. It sure is nice to see some cooler weather for a change. I thought I would never say that because I love warm weather. I can only hope that we will get the desperately needed rain through out the State soon. As I sit here writing this, I can not help but think how fortunate we have been not having any major hurricanes to hit NC in two or three years. Just remember that we all still need to be prepared for any storms in the future. Well enough of this, here is what is going on.

The Education Committee has meet on numerous occasions and have the Winter Code Seminars planned. This year we have a lot of excellent speakers and instructors lined up. As always they will be held in Atlantic Beach at the Sheraton on January 28 - 31, in Southern Pines at the Days Inn on February 25-28, and in Hickory at the Park Inn on March 24-27. As you can see by the dates, the seminars will be four days in length. Inspectors will be able to get 6 hours of continuing education in Building, Electrical, Fire, Mechanical or Plumbing. It is not too early to start planning to attend one of these very informative seminars. Barry Gupton will be getting the information out very soon. If any of you have suggestions on subject matter or any comments about the seminars please let any Director or Education Committee member know. The Education Committee strives to provide each of you the best and most up to date information and continuing education that is offered in the State. I would like all of you to remember one thing that you can not receive from online classes and in house training and that is the information and contacts you make during the seminars. The "Networking" of all inspectors is a great tool that can be used by all. There are no seminars or classes that can give you more information on how to perform your duties better than asking other Inspectors about situations you have had or how do they enforce a code. There is nothing better than being able to make a call to an Inspector you have met are a NCBIA function and ask a question. Many times if an Inspector has a question about an issue it has already been dealt with somewhere else in the State. I hope to see all of you at one of the seminars.

The Association is extremely excited to announce that we have

partnered with the City of Greenville to create an instructional video on residential construction. This video will take you through the whole process of home construction, from the permit application to the Certificate of Occupancy. Association Vice President Les Everett

has worked hard on this project and plans are to release this video sometime in late spring or summer 2008. Their will be more information released soon on this major project.

President Elect William Whaley reports that the continuing education classes for Mechanical and Plumbing Contractors is going well. By the time the COCO Newsletter is published the Association will have conducted 6 classes.

Keep in mind that as of August 3, 2007 that Section 903.2.7 of the Building Code dealing with Group R Sprinklers has reverted back as it reads in the 2006 code. This means all R2 occupancies except One and Two Family Dwellings shall be sprinklered.

Another issue dealing with the Building Code is Senate Bill 640 which deals with industrial equipment. This bill was signed and made law on August 31, 2007. In a nut shell the law is that any industrial equipment that produces or manufactures a product is exempt from the building code. This includes point loads and any other technical requirements.

If any Inspector has any news or comments, please let me know. I can still be reached by calling my cell phone at 704-219-5141 or email me at rharvell@bellsouth.net.

In closing, The NCBIA would like to say thank you to everyone that helped with the COCO Newsletter over the years and let everyone know that the Association will do everything they can to try to provide this great informational tool to each Inspector in the State by placing the newsletter on the NCBIA web site. The web site address is [www.ncbia.org](http://www.ncbia.org). Again, "THANK YOU" COCO for a job well done.





# News from the Mechanical Inspectors Association

## Annual Meeting

The NC Mechanical Inspectors Association 36th Annual Conference and Instructional Program was conducted August 12-15, 2007 at the Holiday Inn in Cherokee with approximately 175 inspectors, spouses, vendors, and guests in attendance. The weather was great with lots of sunshine for sightseeing, trout fishing, and mountain hiking. The Great Smoky Mountain Railroad outing on Sunday was especially well attended and enjoyed by all. Conditions inside the convention center were also great allowing a relaxed environment for the educational training sessions and time with the vendors in attendance. With the balanced mix between educational and social functions, everyone left the annual meeting feeling refreshed and more knowledgeable on many aspects of the code. Thanks to everyone for attending and making this one of our most successful conferences ever!

Thanks to outgoing President Bruce Daniel for his work and leadership to make this year an outstanding year for the Mechanical Inspectors Association of North Carolina. Bruce extends his thanks and appreciation to the Board of Directors for their work this past year and also to the members of the Association for their work and support as well. New officers and directors were elected at the annual meeting by the membership in attendance. ICC Executive Director Jay Peters performed the installation of the new officers for 2007-2008. Incoming President Bonnie Simmons expressed anticipation of an exciting and successful year for the Mechanical Inspectors Association. The elected officers of the North Carolina Mechanical Inspectors Association for the 2007-2008 year are as follows:

Bonnie Simmons - President  
Ray Hicks - President-Elect  
Charles Taylor - Vice President  
Billy Hinton - Secretary/Treasurer  
Danny Bryan - Two-Year Director (East)  
Ronnie Greene - Two-Year Director (West)  
Ray Rice - One-Year Director (Piedmont)  
Danny Plummer - One-Year Director (Piedmont)  
Bruce Daniel - Ex-Officio

A way to become involved with your Association is to serve on a committee of the Association. Everyone is encouraged to participate. The committees of the Association are:

COCO  
Education/Program  
Vendors  
Hospitality  
Membership  
Code Revision  
Historic and Photography  
Door Prize  
By Laws  
Publicity/COCO Newsletter  
Nominating  
Scholarship/Awards  
Companions

Please contact President Bonnie Simmons (336) 401-8311 or Billy Hinton (919) 661-5880 x-239 as soon as possible if you would like to serve on a particular committee of the association.

Thanks to the vendors, door prize suppliers, and members of the Mechanical Inspectors Association who collected door prizes. We wish



to extend a special thank-you to the many vendors in attendance that supported our meeting by purchasing vendor tables to display their products and provided product information to the inspectors.

## Great Smoky Mountain Railroad Excursion

Thanks to Mike Gibson for planning and organizing the exciting Great Smoky Mountain Railroad excursion which carried everyone along side the Nantahala River and out to Fontana Lake. Approximately ninety men, women, and children participated in this exciting trip. All participants enjoyed a great time during this morning and afternoon excursion. Everyone arrived safely back to the depot at the journey's end. A tour of the train museum followed the train ride. There were impressive displays of model railroading layouts and trains contained in the museum.

## Scholarships Awarded

The Scholarship/Awards Committee chaired by Mr. Sammy Epps met July 19, 2007, in Graham, NC, and selected eleven outstanding applicants to receive scholarship awards. The Committee also selected two candidates for the two named scholarships reserved for the most outstanding applicants - The Grover Sawyer Scholarship and the Lee Hauser Scholarship.

The Board of Directors met on August 25, 2007 in Raleigh, NC and determined the scholarship awards amounts. The awards are \$ 500 per scholarship, except for the two named scholarships which are \$750 each. Recipients of the NC MIA scholarships for 2007 are as follows:

1. Whitney Lauren Ward  
Father: Stanley Ward of Elizabeth City  
(Recommended for the Grover Sawyer Scholarship Award)
2. Mattie Lynne Clark  
Father: Terry Clark of Cleveland County  
(Recommended for the Lee Hauser Scholarship Award)
3. Katy Elders  
Father: Anthony C. (Tony) Elders of Jackson County
4. Lauren Elizabeth Gosnell  
Father: David Lee Gosnell of Cleveland County
5. Ryan Lloyd O'Neal  
Father: Gary O'Neal of Lenoir County
6. Kristy Brault  
Father: Roland Paul Brault of Mecklenburg County
7. Kelly Tannery  
Father: Jerry Tannery of the City of Raleigh
8. Jesse Lee Horner III  
Father: Jesse Lee Horner, Jr. of the Town of Blowing Rock
9. Cynthia Leighann Lawson

- Father: James H. Lawson of the City of High Point  
 10. Alden Taylor Parrish  
 Father: Virgil E. Parrish of Perquimans County  
 11. Laura Katherine Canova  
 Father: Michael Canova of Town of Carrboro

Congratulations to this year's scholarship recipients and thanks to the work of the Scholarship Committee chaired by Mr. Sammy Epps of Alamance County Inspection Department. Sammy also prepared a special power point presentation for the scholarship awards which was presented during the banquet at the annual meeting.

Please note that a new scholarship application has been prepared for 2008. Applicants for next year's scholarships must apply using the new application. Please contact Billy Hinton by phone (919) 661 5880 x-239 or by e-mail [bhinton@ncdoi.net](mailto:bhinton@ncdoi.net) for a new application. The new scholarship application can be e-mailed to you.

## Presidents Award

President Bruce Daniel presented the Presidents Award to Past President Mike Gibson of Fayetteville for his outstanding service to the Association during his many years of service on the Board. Mike has completed his service on the Board and his leadership on the Board will be missed. Thank you for all that you contribute Mike!

## Banquet Entertainment

Mr. Matt Fore, humorist and magician, entertained our guests at the annual banquet. His performance was excellent as he directly involved the guests when performing his magic and humor.

## Life Memberships

The NC MIA Scholarship/Awards Committee recommended seven nominees at our 2007 Annual Business Meeting for consideration for election to Life Member membership status. The general membership voted on the nominees at our annual business meeting. The following retired mechanical inspectors were elected to Life Membership in the NC MIA:

- |                  |                    |
|------------------|--------------------|
| 1. Glen Johnson  | City of Raleigh    |
| 2. Mike Johnson  | Alamance County    |
| 3. Steve Nelson  | Guilford County    |
| 4. James Ross    | Mecklenburg County |
| 5. Glen Snyder   | Mecklenburg County |
| 6. Duffy Strigo  | City of Cary       |
| 7. Tommy Proffit | Mecklenburg County |

If you would like to nominate a retired mechanical inspector for consideration at our 2008 Annual Meeting, please complete a Life Membership nomination form and forward the form to Billy Hinton at NC DOI. A copy of the form may be obtained by calling Billy Hinton at (919) 661-5880 x-239.

## 2007 Fall Mechanical Workshops

Two workshops are scheduled for the fall of this year at to provide additional opportunities for inspectors to attend a workshop. These workshops are the same workshops taught in the spring and summer earlier this year. Each workshop is a one day workshop that provides six hours of continuing education credit for mechanical inspectors. The remaining workshop dates for 2007 are October 10 in Burlington at the Paramount Theatre and November 7 in Wilson at the City of Wilson Operation Center. Topics planned include discussion of the 2006 NC Mechanical Code, the 2006 NC Gas Code, the 2006 NC Energy Code, DOI interpretations, and the DOI website. The State Board of Plumbing, Heating, and Fire Sprinkler Contractors will also participate at our workshops. The registration fee is \$40 for NC MIA Association members and \$60 for nonmembers.

The NC Inspectors Qualification Board has a continuing education program in place that requires continuing education for inspectors from approved sources. The NC Mechanical Inspectors Association is an approved provider of continuing education courses. The general requirements are for six hours of continuing education to be obtained by June 30 of each year for each standard certificate you have active. Up to six hours may be carried forward to the next year. The current year for continuing education runs from July 1, 2006 to June 30, 2007. A registration form is included in this news letter.

## 2008 NC Mechanical Inspectors Association Annual Meeting

Incoming President Bonnie Simmons reported on the plans for the 2008 Annual Meeting which will be conducted at the Sheraton at Atlantic Beach, NC. The conference is scheduled for August 24 – 27, 2008 at the Sheraton at Atlantic Beach, NC. Additional information will be reported as plans are completed. Mark the dates on your calendar and plan to attend!

## The New 2006 NC Building Code Is Based on the 2003 International Building Code

The new 2006 NC Building Code is modeled from the 2003 International Building Code and became effective July 1, 2006. The new NC Building Code Volumes for Mechanical, Gas, and Energy are based on the 2003 editions of the corresponding ICC codes with the inclusion of NC amendments. One very significant change approved by the NC Building Code Council was to eliminate the mechanical, gas, and plumbing sections from the 2006 NC One and Two Family Dwelling Code. The 2006 NC One and Two Family Dwelling Code references the 2006 NC Mechanical, Gas, and Plumbing Codes for requirements. This means that all plumbing, mechanical, and gas requirements **will be contained in one respective code book for each discipline**. Please make sure the contractors in your jurisdiction understand this important amendment.

Generally, the new 2006 Edition of the NC Building Code includes the amendments included in the 2003 International Code that were approved since the 2000 ICC codes were published, the NC specific amendments from the 2002 NC Building Code that the ad-hoc committees moved forward, and any separate amendments approved under the rules review procedures since the adoption of the 2002 NC Building Code. Also, an accompanying commentary is being prepared for each volume of the NC Building Code. The commentaries will be modeled from the 2003 ICC commentaries and will be revised to reflect NC amendments.

Please note that the effective date for the 2006 One- and Two-Family Dwelling Code is June 1, 2007 and that the NC BCC is allowing continued use of the 2002 One- and Two-Family Dwelling Code for permits obtained through the end of 2007.

## Development of the 2009 NC Building Code

Ad hoc committees have been formed and work is well underway on the next edition of the NC Building Code. The 2009 NC Building Code is being modeled upon the 2006 ICC codes and will include NC amendments. The planned effective date is January 1, 2009.

## Mechanical Code, Gas Code, and Energy Code Interpretations on the Web

The NC Department of Insurance has placed interpretations of the 2006 NC Building Codes on-line on the DOI web-site. These interpretations can be viewed, downloaded, and printed. The web-site address for the DOI interpretations is: [http://www.ncdoi.com/OSFM/Engineering/CodeServices/engineering\\_codeservices\\_interpreta](http://www.ncdoi.com/OSFM/Engineering/CodeServices/engineering_codeservices_interpreta)

tions\_current\_search.asp

Interpretations are included for the Mechanical, Gas, Energy, and Plumbing Codes as well as the other volumes of the NC Building Code. The interpretations are in order by code section number for easy reference.

The address for the general NC DOI web-site is <http://www.ncdoi.com>.

The address for the NC DOI Engineering web-site is: [http://www.ncdoi.com/OSFM/Engineering/engineering\\_home.asp](http://www.ncdoi.com/OSFM/Engineering/engineering_home.asp)

I encourage you to visit the DOI web site. Information on the

status of proposals submitted to the Building Code Council, Building Code Council meeting agendas and meeting minutes, interpretations, draft amendment packages and ad hoc meeting minutes for the new codes, and other important information can be viewed from the NC DOI web-site.

Please note that the NC Building Code Council has directed that the 2002 NC Residential Code for One- and Two-Family Dwellings and Townhouses may continue to be elected to be used for permits obtained through the end of the year, 2007.

## REGISTRATION FORM NC MECHANICAL INSPECTORS ASSOCIATION 2007 WORKSHOPS

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

EMPLOYER \_\_\_\_\_

PHONE NUMBER (\_\_\_\_) \_\_\_\_\_

ID # \_\_\_\_\_ MECHANICAL CERTIFICATE # \_\_\_\_\_

**LOCATION AND TIME (PLEASE CHECK ONE)**

\_\_\_\_\_ **MORGANTON –MARCH 21**  
Location: Western Piedmont Community College, Moore Hall Auditorium  
Directions: (I-40 and US 64 at Exit 103, approximately 1/2 mile north on US 64)  
Lodging: Holiday Inn (828) 437-0171 (Headquarters Hotel)  
Days Inn (828) 433-0011  
Red Carpet Inn (828) 437-6980

\_\_\_\_\_ **ROCKY MOUNT – APRIL 18**  
Location: Edgecombe Community College  
Directions: From Raleigh Hwy 64 E take exit 270 Atlantic Av, take left onto Atlantic Av; go thru 3rd stop light community college is on right. Turn into parking lot and go to back lot auditorium is on right  
Lodging: Days Inn (252) 977-7766  
Holiday Inn (252) 937-6888  
Comfort Inn (252) 937-7765 (Headquarters Hotel)  
Reserve your room from the room block

\_\_\_\_\_ **JACKSONVILLE – MAY 16**  
Location: Agriculture Extension Agents, 4024 Richlands Hwy, Jacksonville, NC 28540  
Directions: Location is at Highway 258 immediately northwest of Jacksonville

\_\_\_\_\_ **MONROE – JUNE 20**  
Location: Monroe Country Club, Hwy. 601 South  
Lodging: Holiday Inn Express (704) 289-1555

\_\_\_\_\_ **BURLINGTON – OCTOBER 10**  
Location: Paramount Theatre  
Directions: Highway 85/40 from Raleigh exit 145, turn north on Maple Avenue, go approximately 3 miles, turn right on Spring Street, go 3 blocks to East Front Street (128 East Front Street). Parking is behind the building or on the street.

\_\_\_\_\_ **WILSON – NOVEMBER 7**  
Location: City of Wilson Operation Center, 1800 Herring Avenue  
*Directions: Directions to the building from Raleigh will be take 64 E. to 264 E. Go to hwy 301 exit. Go north toward Rocky Mount. Go to the hwy. 42 exit to the stop sign. Turn left at stop sign. Building will be ¼ mile on the left. First stop light turn left into the parking lot and keep to the left. Park in that parking lot.*  
*Directions from the east will be, go to hwy 264 W. to hwy.301 N. Go to the hwy.42 E. exit to the stop sign. Turn left go ¼ mile. Turn left at first stop light keep to the left and park in that parking lot.*  
*Directions from the North East. Take 64 W. to hwy 42 W. Keep on this road and you will see hwy 301. Cross hwy 301 and go ¼ mile. Building will be on the left. First stop light turn left into the parking lot and keep to the left. Park in that parking lot. The contact will be Charles Taylor if you need anymore directions; you can call Charles at 252-205-1891.*

\_\_\_\_\_ persons @ \$40.00 each – Note: Jurisdiction must be current in NC MIA dues payments to qualify for this rate

\_\_\_\_\_ persons @ \$60.00 each

AMOUNT ENCLOSED: \$ \_\_\_\_\_

**PLEASE MAKE CHECKS PAYABLE AND RETURN TO:  
NC MECHANICAL INSPECTORS ASSOCIATION  
ATTENTION: JEAN WILLIAMS  
1202 MAIL SERVICE CENTER  
RALEIGH, NORTH CAROLINA 27699-1202**



# News from the NC Plumbing Inspectors Association

## Annual Meeting

The 2008 NCPIA Annual Conference Meeting will be at the Broyhill Inn, Boone, NC on June 8-11, 2008.

## 2008 PLUMBING WORKSHOPS

The plumbing workshops for Spring of 2008 are approved for 6 hours for the Plumbing Inspectors and also 6 hours for the Plumbing Contractors with the Plumbing and Heating Licensing Board.

The workshops will be as follows:

- (1) Jan. 15, 2008 in Kenansville
- (2) Feb. 13, 2008 in Rocky Mount
- (3) March 13, 2008 in Morganton
- (4) May 7, 2008 in High Point

A registration fee of \$50 will be charged for the 6 hour. The workshops will consist of (3) 2 hour classes as following:

- (1) 1st class – 2 hrs., 8:15 am to 10:15 am – 2006 plbg. code chapters 3 & 5
- (2) 2nd class – 2 hrs., 10:40 am to 12:40 pm – 2006 plbg., code chapter 6 & app. E
- (3) 3rd class – 2 hrs., 2:00 pm to 4:00 pm – 2006 plbg., chapters 9 & 11

Registration forms will be mailed in October, 2007.

## Officers and Directors for 2007-2008

The new Officers and Directors for 2007-2008 were elected as follows:

- President – Paul Sandy, City of Raleigh
- President Elect – Forrest Fleming, Town of Morrisville
- Vice-President – Harry Threatt, City of Rocky Mount
- Secretary/trea. – Henry Webster, NCDOL
- One Year Director – Bruce Daniel, Town of Wake Forest
- Two Year Director – Steve Jones Polk County
- Three Year Director – Danny Teeters, Guilford County
- Four Year Director – Wilson Sawyer, Vance County

## 2007 Plumbing workshops

The PIA workshops in Burlington on Oct.11, 2007 and Monroe on Nov. 14, 2007 are approved for continuing education for the code officials and also is approved for continuing education for plumbing contractors.

## Plumbing code interpretation

Shower Lining Installation

2006 Plumbing Code

Section 417.5.2

Date: July 1, 2006

Revised May 17, 2007

**Question:** Are shower liners required to be sloped to the fixture drain?

**Answer:** no

The Building Code Council has amended section 417.5.2 to delete the requirement for sloping the liner 1/4" per foot, therefore the shower liner is not required to be slope by the plumbing code; but the shower liner shall be sloped if required by the manufacturer's installation instructions.

## TO: PLUMBING INSPECTORS, ASSOCIATION MEMBERS AND PLUMBING CONTRACTORS

*NCPIA, Henry Webster, PIA secy/trea.*

Subject: 2007 Plumbing Workshops ( 6 hours )

The Officers and Directors of the PIA are pleased to announce workshops on the 2006 plumbing code.

The remaining workshops are as following:

- (1) October 11, 2007 in Burlington
- (2) November 14, 2007 in Monroe

A registration fee of \$40 will be charged for the 6 hours. The workshops will consist of (3) 2 hour classes as following:

- (1) 1st class – 2 hrs., 8:15am to 10:15am – 2006 plbg. code chapters 2, 3&5
- (2) 2nd class– 2hrs., 10:40 am to 12:40 pm – 2006 plbg. code chapter 9
- (3) 3rd class – 2 hrs., 2pm to 4 pm – 2006 plbg. code chapters 4 & 11

The classes are approved for 6 hrs. continuing education for inspectors and also for plumbing (mech. and plbg.) contractors for the Plumbing and Heating Licensing Board.

Please pre-register on the attached form at least 10 days prior to the workshop. Registration will start at 7:30am for all workshops. Lunches and breaks will be on your own.

Registration fee is \$40 for the 6 hours.

PLEASE MAKE CHECKS PAYABLE AND RETURN TO:

NC PLUMBING INSPECTION ASSOCIATION  
 ATTENTION: HENRY WEBSTER  
 1202 MAIL CENTER  
 RALEIGH, NC 27699-1202  
 Tel 919-661-5880 ext 238

## NORTH CAROLINA PLUMBING INSPECTORS ASSOCIATION WORKSHOP AGENDA FOR ALL LOCATIONS

### 2007 PLUMBING CODE WORKSHOPS

7:30-8:15	Registration and welcome
8:15-10:15	2006 plumbing code – chapters 2, 3&5
10:15-10:40	Break (on your own)
10:40-12:40	2006 plumbing code – chapter 9
12:40 to 2:00	Lunch (on your own)
2:00 to 4:00	2006 plumbing code– chapters 4 &11

**REGISTRATION FORM  
NORTH CAROLINA PLUMBING INSPECTORS  
ASSOCIATION**

NAME \_\_\_\_\_  
(same as on your certificate)

EMPLOYEE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE NUMBER \_\_\_\_\_

ID # \_\_\_\_\_, Plbg. Cert. # \_\_\_\_\_,

Contractors Plbg. License # \_\_\_\_\_

Contractors Mech. License # \_\_\_\_\_

LOCATION (PLEASE CHECK ONE)

\_\_\_\_\_ Burlington workshop Oct. 11, 2007 – Paramount Theater

\_\_\_\_\_ Monroe workshop Nov. 14, 2007 – Monroe Country Club

\_\_\_\_\_ # PERSONS ATTENDING @ \$40.00 EACH  
AMOUNT ENCLOSED \$ \_\_\_\_\_

Please make checks payable and return along with registration form to:

NC PLUMBING INSPECTION ASSOCIATION  
ATTENTION: HENRY WEBSTER  
1202 MAIL SERVICE CENTER  
RALEIGH, NC 27699-1202  
Tel 919-661-5880 ext 238

**DIRECTIONS**

**BURLINGTON** workshop – Paramount Theater  
Hwy 85/40 from Raleigh exit 145, turn north on Maple Ave., go approx. 3 miles, turn right on Springs St., go 3 blocks to E. Front St. (128 E. Front St.). Parking is behind building or on street.  
Monroe workshop – Monroe Country Club  
Monroe Country Club, Hwy 601 South

**North Carolina Code Officials  
Qualification Board**

**Quarterly Board Meeting**

The quarterly meeting of the NC Code Officials Qualification Board was held at 11:00 AM on July 24, 2007 at 322 Chapapeake Road in Raleigh, NC. The next quarterly meeting is scheduled for October 23, 2007 at 1:00 PM. The agenda for each quarterly meeting can be found on our website at [www.ncdoi.net](http://www.ncdoi.net).

**Election of Officers**

Hayden Lutterloh was re-elected as Chairman. Lutterloh is Assistant Fire Chief for the City of Sanford. Deborah Simpson was re-elected as Vice Chairman. Tim Bradley was re-elected as Secretary

**Election of Committee Chairman**

Richard Ducker was re-elected as Policies and Procedures Committee Chairman. William Rakatansky was re-elected as Education and Research Committee Chairman. Deborah Simpson was elected as Qualifications and Evaluation Committee Chairman.

**Presentation of Fifth Standard Level III Certificates**

Chairman Lutterloh presented the following individuals with their fifth Standard Level III Inspection Certificate: James Lee Buchanan of the Jackson County Inspection Department; John Boniface, III of the Manteo Inspection Department; and Michael Joseph Hamm of the Manufactured Building Division of the Department of Insurance

The number of individuals achieving this level of certification is currently 162.

**Disciplinary Actions between April, 2007 through July, 2007**

**Voluntary Settlement Agreement**

Staff presented a proposed consent agreement in the disciplinary hearing against Stokes County inspector Andrew Smith. A complaint was filed against Smith concerning building code defects concerning a single family dwelling. Mr. Smith has agreed to have his Standard Building level I Certificate suspended for a period of three calendar months, take a Building level I class, pass the Building level I state certification exam within one year and to surrender his Limited Inspection Certificates in Building, Plumbing, Mechanical and Electrical for Stokes County, Walnut Cove and King. The Board accepted the voluntary settlement agreement.

**Voluntary Settlement Agreement**

Staff presented a proposed voluntary settlement agreement in the disciplinary hearing against Ahoskie inspector Ernest G. Swanner. A complaint was filed against Swanner concerning inspections and procedures during his employment with Gates County. The Board rejected the voluntary settlement agreement and elected to have a hearing in the matter.

**Continuing Education**

**Program Requirements**

As a reminder for current and new inspectors, continuing education is required for all code enforcement officials holding active standard or limited certificates. As a condition of certificate renewal, six hours of continuing education must be completed for each active limited or standard certificate per renewal year (by June 30 each year) in each technical area. An individual

possessing both an active limited and standard certificate valid for the same area will only be required to complete six hours in that technical trade. Since we are starting the second year of our program, this is an important item to remember: **A code enforcement official can only receive credit for the same course once within a three-year period.**

A current list of course sponsors is available on our website at [www.ncdoi.com](http://www.ncdoi.com).

## Overview

The first year of the newly required continuing education program has been completed. There have been many obstacles to handle and adjustments to make during this first year. We, as a staff, are working to correct these problems that have been encountered by inspectors, instructors, and sponsors.

Currently, we are transitioning to an automated record keeping program which will allow the staff to update and track your completed continuing education courses as they are sent in by instructors. When attending continuing education courses, you will need to provide the instructor with your Standard or Limited Certificate number. The instructor will need to include this information on an Excel Transmittal Form that is provided by the staff and is being sent to each sponsor.

We have other adjustments that are in process and as they are complete, each department and provider will be informed. I want to thank each in-

pector, instructor, and sponsor, for his or her patience during this inaugural year. We hope to have a much smoother operation for renewal year 2007-2008.

## Staff Changes

We have two new staff members to announce. Trisha Jogodka is the staff's Administrative Assistant. Trisha can assist you with questions regarding certification, exams, renewals, probationary and standard applications and fees. Leslie Allen is the staff's new Education Coordinator. Leslie can assist you with questions regarding standard courses, instructor training, and continuing education. Please feel free to contact any member of the staff by phone or e-mail at any time.

## State Exam Testing and Standard Courses

The NC Code Officials Qualification Board began testing on the printed 2006 NC State codes in March, 2007 (we currently use the 2002 NC Residential Code). Standard courses include the printed 2006 NC State Codes as well. We will begin testing on the 2006 NC Residential Code in March, 2008. The state exam testing schedule and course listing can be found on our website at [www.ncdoi.net](http://www.ncdoi.net). If you have questions concerning these items, please contact the Board's staff at 919-661-5880.

## Current Standard Inspection Courses, September 26, 2007

Course	Level	Days	Time	Dates		Community College
				Begin	End	
Building	I	Fri - Su	8:00 - 5:00	10/5/2007	10/14/2007	College of the Albemarle
Building	I	Fri - Su	8:00 - 5:00	10/12/2007	10/21/2007	Durham Tech CC
Building	I	Fri - Su	F-6pm, S&S-8am	10/26/2007	11/4/2007	College of Albemarle-Dare
Building	II	Fri - Su	F-6pm, S&S-8am	10/19/2007	10/28/2007	Fayetteville Tech CC
Building	II	Fri - Su	8:00 - 5:00	10/26/2007	11/4/2007	Wilkes CC
Building	II	Fri - Su	8:00 - 5:00	11/2/2007	11/11/2007	Davidson CC
Building	II	Fri - Su	8:00 - 5:00	12/7/2007	12/16/2007	Asheville-Buncombe CC
Building	II	Sat - Su	8:00-7:00	12/8/2007	12/16/2007	Lenoir CC
Building	III	Fri - Su	F-6pm, S&S-8am	10/12/2007	10/21/2007	Cape Fear CC
Building	III	Fri - Su	F-6pm, S&S-8am	12/7/2007	12/16/2007	Fayetteville Tech CC
Building	III	Fri - Su	8:00 - 5:00	12/7/2007	12/16/2007	Davidson CC
Electrical	I	Fri - Su	F-6pm, S&S-8am	9/28/2007	10/14/2007	Vance-Granville CC
Electrical	I	Fri - Su	F-6pm, S&S-8am	10/5/2007	10/14/2007	Fayetteville Tech CC
Electrical	I	Fri - Su	8:00 - 5:00	10/26/2007	11/4/2007	Davidson CC
Electrical	I	Fri - Su	8:00 - 5:00	10/26/2007	11/4/2007	College of the Albemarle
Electrical	I	Fri - Su	F-6pm, S&S-8 am	11/2/2007	11/11/2007	Randolph CC
Electrical	II	Sa - Su	8:00 - 4:30	10/12/2007	10/21/2007	Fayetteville Tech CC
Electrical	II	Sa - Su	8:00 - 5:00	10/13/2007	10/21/2007	Cape Fear CC
Electrical	II	Sa - Su	8:00 - 5:00	10/27/2007	11/4/2007	Vance-Granville CC
Electrical	II	Fri - Sa	8:00 - 5:00	11/16/2007	11/24/2007	Wilkes CC
Electrical	II	Sa - Su	8:00 - 5:00	12/1/2007	12/9/2007	Randolph CC
Electrical	III	Sa - Su	8:00 - 5:00	10/6/2007	10/14/2007	Randolph CC
Electrical	III	Fri - Sa	8:00 - 5:00	10/19/2007	10/27/2007	Wilkes CC
Electrical	III	Sa - Su	8:00 - 5:00	11/3/2007	11/11/2007	Cape Fear CC
Electrical	III	Sa - Su	8:00 - 4:30	11/3/2007	11/11/2007	Fayetteville Tech CC
Electrical	III	Sa - Su	8:00 - 5:00	11/3/2007	11/11/2007	Cape Fear CC
Electrical	III	Sa - Su	8:00-5:00	11/3/2007	11/10/2007	Lenoir CC
Electrical	III	Sa - Su	8:00 - 5:00	11/10/2007	11/18/2007	Asheville-Buncombe CC
Electrical	III	Sa - Su	8:00 - 5:00	11/17/2007	12/2/2007	Vance-Granville CC
Fire Prevention	I	Fri - Su	F-6pm, S&S-8am	10/5/2007	10/14/2007	Fayetteville Tech CC
Fire Prevention	I	Sa - Su	8:00 - 6:00	10/6/2007	10/14/2007	Cleveland CC
Fire Prevention	I	M - F	8:00-5:00	10/08/2007	10/12/2007	Forsyth Tech CC
Fire Prevention	I	Fri - Sa	8:00-5:00	10/12/2007	10/20/2007	Forsyth Tech CC
Fire Prevention	I	Fri - Sa	8:00 - 6:00	10/19/2007	10/27/2007	Mitchell CC
Fire Prevention	I	W-F	8:00 - 5:00	10/24/2007	11/2/2007	Asheville-Buncombe CC
Fire Prevention	I	Fri - Sa	8:00 - 6:00	11/2/2007	11/17/2007	Davidson CC
Fire Prevention	I	Fri - Sa	8:00 - 6:00	11/2/2007	11/17/2007	Davidson CC
Fire Prevention	I	Th - Sa	8:00 - 5:00	11/11/2007	1/20/2007	Wilkes CC
Fire Prevention	I	Sa - Su	8:00 - 6:00	12/8/2007	12/16/2007	Vance-Granville CC
Fire Prevention	I	Fri - Sa	8:00-5:00	01/04/2008	01/12/2008	Forsyth Tech CC
Fire Prevention	I	Fri - Sa	8:00-5:00	03/14/2008	03/23/2008	Forsyth Tech CC

Course	Level	Days	Time	Dates		Community College
				Begin	End	
Fire Prevention	I	Fri – Sa	8:00-5:00	09/12/2008	09/20/2008	Forsyth Tech CC
Fire Prevention	II	Fri – Sa	8:00 – 5:00	10/12/2007	10/27/2007	Davidson CC
Fire Prevention	II	Fri – Sa	8:00 – 5:00	10/12/2007	10/27/2007	Davidson CC
Fire Prevention	II	M – Th	8:00- 5:00	10/15/2007	10/19/2007	Forsyth Tech CC
Fire Prevention	II	Fri – Sa	8:00 – 5:00	10/19/2007	10/27/2007	Surry CC
Fire Prevention	II	Sa – Su	8:00 – 5:00	10/27/2007	11/4/2007	Cleveland CC
Fire Prevention	II	Sa –Su	8:00 – 6:00	12/1/2007	12/9/2007	Fayetteville Tech CC
Fire Prevention	II	Sa –Su	8:00 – 6:00	02/09/2008	02/17/2008	Forsyth Tech CC
Fire Prevention	II	Sa –Su	8:00 – 6:00	11/01/2008	11/09/2008	Forsyth Tech CC
Fire Prevention	III	M – W	8:00- 5:00	10/22/2007	10/24/2007	Forsyth Tech CC
Fire Prevention	III	Su – Su	8:00 – 5:00	10/28/2007	11/4/2007	Wayne CC
Fire Prevention	III	Sa – Su	8:00 – 5:00	10/28/2007	11/4/2007	Wayne CC
Fire Prevention	III	Fri – Su	8:00 –5:00	11/2/2007	11/4/2007	Fayetteville Tech CC
Fire Prevention	III	Fri – Su	8:00 – 5:00	11/16/2007	11/18/2007	Cleveland CC
Fire Prevention	III	Fri – Su	8:00 – 5:00	12/7/2007	12/9/2007	Davidson CC
Fire Prevention	III	Fri – Su	8:00 – 5:00	12/7/2007	12/9/2007	Davidson CC
Fire Prevention	III	Sa –Su	8:00 – 6:00	07/18/2008	07/20/2008	Forsyth Tech CC
Law and Admin		Fri – Sa	F-7pm, S&S-8am	9/28/2007	9/30/2007	Craven CC
Law and Admin		Fri – Sa	F-7-9pm Sa-8-5, Su 8-2	9/28/2007	9/30/2007	Craven CC
Law and Admin		Sa – Su	8:00 – 5:00	10/20/2007	10/21/2007	Durham Tech CC
Law and Admin		Sa – Su	8:30 – 5:00	10/27/2007	10/28/2007	Davidson CC
Law and Admin		Sa – Su	8:30 – 5:00	10/27/2007	10/28/2007	Davidson CC
Law and Admin		Sa – Su	8:30 – 5:00	10/27/2007	10/28/2007	Davidson CC
Law and Admin		Sa – Su	8:00 – 5:00	11/3/2007	11/4/2007	Wilkes CC
Law and Admin		Fri – Sa	F-7pm, S&S-9am	3/14/2008	3/16/2008	McDowell Tech CC
Mechanical	I	Sa – Su	8:00 – 5:00	9/29/2007	10/7/2007	Craven CC
Mechanical	I	Sa – Su	8:00-5:00	9/29/2007	10/7/2007	Craven CC
Mechanical	I	Sa – Su	8:00 – 5:00	10/6/2007	10/14/2007	Fayetteville Tech CC
Mechanical	I	Sa – Su	8:00 – 5:00	10/20/2007	10/28/2007	Vance-Granville CC
Mechanical	I	Fri – Su	8:00 – 5:00	11/17/2007	11/25/2007	College of the Albemarle
Mechanical	I	Th – Su	8:00 – 5:00	2/28/2008	3/2/2008	Davidson CC
Mechanical	II	Fri – Su	8:00 – 5:00	10/12/2007	10/14/2007	Cape Fear CC
Mechanical	II	Fri – Sa	8:00 – 5:00	10/26/2007	10/28/2007	Fayetteville Tech CC
Mechanical	III	Sa – Su	8:00 – 5:00	10/6/2007	10/14/2007	Craven CC
Mechanical	III	Sa – Su	8:00 – 5:00	10/6/2007	10/7/2007	Vance-Granville CC
Mechanical	III	Sa – Su	8:00-5:00	10/6/2007	10/14/2007	Craven CC
Mechanical	III	Sa – Su	8:00-5:00	10/13/2007	10/14/2007	Lenoir CC
Mechanical	III	Sa – Su	8:00 – 5:00	10/27/2007	10/28/2007	Davidson CC
Mechanical	III	Sa – Su	8:00 – 5:00	11/3/2007	11/11/2007	Cape Fear CC
Mechanical	III	Sa – Su	8:00 – 5:00	11/3/2007	11/4/2007	Cape Fear CC
Mechanical	III	Sa – Su	8:00 – 5:00	11/10/2007	11/11/2007	Fayetteville Tech CC
Plumbing	I	Sa – Su	8:00 – 5:00	10/20/2007	10/28/2007	Craven CC
Plumbing	I	Sa –Su	8:00 – 5:00	10/20/2007	10/28/2007	Vance-Granville CC
Plumbing	I	Sa – Su	8:00-5:00	10/20/2007	10/28/2007	Craven CC
Plumbing	II	Fri – Fri	8:00 – 5:00	10/4/2007	10/12/2007	Catawba Valley CC
Plumbing	II	Fri – Sa	8:00 – 5:00	11/1/2007	11/3/2007	Davidson CC
Plumbing	II	Fri – Sa	F-6pm, S&S-8am	11/2/2007	11/11/2007	Fayetteville Tech CC
Plumbing	III	Fri – Sa	8:00 – 5:00	9/28/2007	9/29/2007	Davidson CC
Plumbing	III	Sa – Su	8:00-5:00	10/6/2007	10/7/2007	Lenoir CC
Plumbing	III	Sa – Su	8:00 – 5:00	11/17/2007	11/18/2007	Fayetteville Tech CC

Because of the accelerated nature and the concentrated time frame in which the Standard Code courses are offered, students should be aware that the Standard Code courses are not elementary and will require intense study to successfully complete the classes. Those enrolled need to be thoroughly familiar with the codes. Therefore, it is recommended that students purchase their copies of the codes well in advance of the class and assemble them. It is also recommended that students read the code books to determine their knowledge of the material. Students need to be familiar with the code, prior to taking the course.

## MINIMUM REQUIRED COURSE HOURS

Course	Hours	Course	Hours
Law and Admin	15	Mechanical Level I	32
Building Level I	48	Mechanical Level II	24
Building Level II	40	Mechanical Level III	16
Building Level III	40	Plumbing Level I	32
Electrical Level I	40	Plumbing Level II	24
Electrical Level II	30	Plumbing Level III	16
Electrical Level III	30		
Fire Preven Level I	36		
Fire Preven Level II	32		
Fire Preven Level III	24		

# NC CODE OFFICIALS QUALIFICATION BOARD

## List of Community Colleges and Technical Institutes Teaching Standard Inspection Certificate Courses

Community College	Location	Primary Contact	Secondary Contact	Telephone
Alamance CC	Graham	David Parker	John Moyers	336-578-2002
Asheville-Bun. Tech CC.	Asheville	Nancy Troxler, X5824	Skye Myrick X5836	828-254-1921
Blue Ridge CC	Hendersonville	Elaine Handville		828-694-1779
Caldwell CC	Hudson	Norm Staines		828-726-2200
Cape Fear CC	Wilmington	Pam Shaffer		910-362-7196
Cape Fear CC (B)	Burgaw	Pam Britt		910-675-1439
Carteret CC	Morehead City	Robert Espenship		252-222-6201
Catawba Valley CC	Hickory	Sue A. Asp, X4330		828-327-7000
Central Carolina CC	Sanford	Willie Nixon	Landis Phillips	919-718-7291
Central Piedmont CC	Charlotte	Steve Corriher		704-330-4421
Cleveland CC	Shelby	Jimmy Hensley		704-484-4058
Coastal Carolina CC	Jacksonville	Chris Parker	Steve Forney	910-938-6228
College of the Albemarle	Elizabeth City	Carol Schenck, X2518		252-335-0821
College of the Albemarle (D)	Dare Co.	Tim Shearin, X240		252-473-2264
Craven CC	New Bern	George Kramer		252-638-7289
Davidson County CC	Lexington	Teresa Kines		336-751-2885
Durham Technical CC	Durham	Clint Briggs	Cynthia Davis	919-686-3653
Durham Tech CC/Orange Co.	Chapel Hill	Paul Jones, X252		919-969-3032
Fayetteville Technical CC	Fayetteville	Sherry Turpin	Jane Pfeffer	910-678-8227
Forsyth Technical CC	Winston-Salem	Wesley Hutchins, X7769	Robert Leslie	336-723-0371
Guilford Technical CC	Jamestown	Bob Plain, X2586	June Boswell, X2821	336-334-4822
Halifax CC	Weldon	Kevin Kupietz	Sandra Hammack	252-533-8416
Haywood CC	Clyde	Terry Taylor		828-627-4617
Isothermal CC	Spindale	Debbie Hollifield, X 345		828-286-3636
Johnston CC	Smithfield	Chris Raynor		919-209-2081
Lenoir CC	Kinston	Phoebe Emory X 713	Sarah Lane X 722	252-527-6223
Nash CC	Rocky Mount	Todd Dettmann		252-451-8312
Piedmont CC	Roxboro	Phyllis Gentry		336-599-1181
Randolph CC	Asheboro	Lewis Edwards		336-633-0217
Robeson CC	Lumberton	Johnny Baker, X21	Tammi Bozeman, X22	910-738-7128
Rockingham CC	Wentworth	Randy Evans, X2390		336-342-4261
Rowan-Cabarrus CC	Salisbury	Kaye Parks,	Jeanie Moore	705-788-3197
Sandhills CC	Pinehurst	Jane Heisig		910-695-3774
Southeastern CC	Whiteville	David Ranson X314	Diane Tyson	910-642-7141
Southwestern CC	Bryson City	Scott Sutton	Dwight Wiggins	828-488-6413
Surry CC	Dobson	Greg Smith		336-386-3331
Tri-County CC	Murphy	Ed Smith	Lisa Thompson	828-837-6810
Vance-Granville CC	Henderson	Curtis Tyndall		252-738-3273
Wake Technical CC	Raleigh	Duncan Shaw		919-662-3438
Wayne CC	Goldsboro	Carlos Cotto, X219		919-735-5152
Wilkes CC	Wilkesboro	Calvin Dull	Abby Combs	336-838-6208
Wilson Technical CC	Wilson	Robert Holsten		252-291-1195

NOTE: Pre-registration is required at least ten days prior to the beginning date of each course. Each community college may increase the cost of the course depending upon the number of students that have pre-registered. In the even of a cost increase, the community college will notify all students that have pre-registered.

### TEXTBOOKS

Building, Level I: 2006 Building, 2002 Residential, Accessibility Codes and Manufactured Buildings/Mobile Home Regulations  
 Building, Level II and III; 2002 Building and Accessibility Codes  
 Electrical: 2005 Electrical Code  
 Fire Prev: 2006 Fire Prev Code  
 Mechanical: 2006 Mechanical and Fuel Gas Codes  
 Plumbing: 2006 Plumbing Code  
 Law and Admin: Administration and Enforcement Code and Board Rules

## Standard Certificate Registration Form and Exam Schedule

The Qualification Board has scheduled the following Standard Certificate exams.

Seating Notifications will be mailed after the deadline date and will include actual date and starting time of your exam, instructions and a map to 322 Chapanoke Road. All exams are given in Raleigh, NC at 322 Chapanoke Road. Exams will begin at 8:00 AM or 12:30 PM. An additional day may be added to the schedule to accommodate the number of applicants.

Qualified persons with a disability in need of an auxiliary aid or service should notify the Board's staff in writing upon registration.

The following information must be submitted to the Board BEFORE the Registration Deadline:

- 1) Examination Registration Form
- 2) Standard Certificate Application and the \$20.00 processing fee
- 3) All required courses must be successfully completed (Community Colleges notify the Qualification Board).

REGISTRATION FORMS RECEIVED AFTER THE DEADLINE DATE LISTED BELOW WILL NOT BE PROCESSED.

REGISTRATION DEADLINE : November 5, 2007

EXAM DATE	AREA	LEVEL (Fill in 1, 2, or 3)	BEGIN DATE OF TECHNICAL COURSE	LOCATION OF TECHNICAL COURSE (Name of Community College)
12/3/2007	BUILDING			
12/4/2007	ELECTRICAL			
12/5/2007	FIRE			
12/6/2007	MECHANICAL			
12/7/2007	PLUMBING			
Course only	LAW AND ADMINISTRATION	N/A		

(PLEASE PRINT)

NAME: \_\_\_\_\_ ID NO.: \_\_\_\_\_

Last      First      Middle

HOME ADDRESS: \_\_\_\_\_

Street or Box      City      State      Zip

BUSINESS ADDRESS: \_\_\_\_\_

Street or Box      City      State      Zip

INSPECTION JURISDICTION (CITY OR COUNTY): \_\_\_\_\_

PHONE: HOME: (    ) \_\_\_\_\_ BUSINESS: (    ) \_\_\_\_\_

E-MAIL: \_\_\_\_\_ FAX: (    ) \_\_\_\_\_

MAIL TO: 1202 Mail Service Center, Raleigh, NC 27699-1202 / OR FAX TO: 919-662-4414