

March 2013

ENGINEERING NEWSLETTER



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Contents

Page 1.....	New Web Interpretations Posted
Page 2.....	Upcoming Building Code Council Meetings
Page 2.....	New Evaluation Service Document Posted
Page 3.....	Lien Agent Law
Page 4.....	On Line CEU Courses for Code Officials
Page 5.....	From the Q-Board
Page 5.....	Upcoming Seminars and Workshops

New Web Interpretations Posted

The following interpretations have been posted since the last Engineering Newsletter edition. The link directly to the interpretations webpage is http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Code_Interpretations&user=Code_Enforcement_Resources

2012 Energy Conservation Code

101.4.4	Change in Occupancy or Use
402.4.1	Building Envelope Air Sealing – Utility Penetrations
403.1.1	Programmable Thermostats
403.2.2	Duct tightness Testing Requirements – Replacement Ductwork
403.6.2	Compatible Properly Matched Partial Replacement of a Split System Heat Pump or Air Conditioner
403.6.2	Partial Replacement of a Split System Heat Pump or Air Conditioner

2012 Residential Code

R301.2.1.2	Windborne Debris Protection
R612.2	Window Sill Height Measurement to Porch Roof
N1103.1.1	Programmable Thermostats
N1103.6.2	Compatible Properly Matched Partial Replacement of a Split System Heat Pump or Air Conditioner
N1103.6.2	Partial Replacement of a Split System Heat Pump or Air Conditioner

NC Mechanical Code

304.1	Compatible Properly Matched Partial Replacement of a Split System Heat Pump or Air Conditioner
304.1	Partial Replacement of a Split System Heat Pump or Air Conditioner

Upcoming Building Code Council Meetings

Residential Wall Bracing

The Building Code Council amended permanent rules for the 2012 NC Residential Code, Section R602.10 at their December meeting. These rules are scheduled to go into effect on June 1, 2013 and may be downloaded at the following link.

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/BCC_Minutes/2012%2011%2008~121108%20NC%20Wall%20Bracing%20Proposal_.pdf

Quarterly Meeting

The next NC Building Code Council Public Hearing/Meeting will be held Monday, March 11 at 9:00AM at the McKimmon Center, 1101 Gorman Street, Raleigh, NC 27603.

For the meeting agendas, click here.

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=BCC_-_Agendas&user=Building_Code_Council&sub=BCC_Meeting

New Evaluation Services Document Posted

There are very few topics covered by the NC codes that are more complex and time consuming to the plan reviewer than the code requirements for building containing hazardous materials. If not correctly designed and constructed to include the minimum life safety features required by code, the effects of hazardous materials during an emergency situation in a building can be significant, resulting in injury and, at worse, death.

The Engineering Division often gets calls from plan reviewers of all code disciplines with questions about what is required in plan review for buildings where hazardous materials are present and how to correctly apply the minimum code requirements. The Engineering Division's Evaluation Services Section has prepared a white paper on **Plan Review for Buildings Containing Hazardous Materials** and it has been posted at

http://www.ncdoi.com/OSFM/Engineering_and_Codes/Default.aspx?field1=Code_Enforcement_-_Evaluation_Services_-_White_Paper_Topics&user=Code_Enforcement_Resources&sub=Evaluation_Services

The code references and organizational tools contained in the white paper that apply to the plan review process will also be useful to designers preparing documents for submittal. The white paper will give a heads up on what is required by code as well as helpful suggestions on what the designer needs to consider during the design process and samples on how to present the hazardous materials information in a clear format to enable the plan reviewer to efficiently review the documents.

How does the New Lien Agent Law Affect the Building Department?

On April 1st, 2013, Session Law 2012-158 takes effect requiring Lien Agents to be identified with a permit. The North Carolina Land Title Association is completing the development of a database to simplify the submittal to the inspection department to satisfy the new requirement in GS 153A-357 and GS 160A-417. When the software is complete, permit applicants will be able to present a single page with the permit application which will identify the required information. The Engineering Division will provide additional information on this program when the Lien NC software is made available publically. In the meantime, if you have questions regarding lien agents, please e-mail the Department of Insurance Property and Casualty Division at bryan.heckle@ncdoi.gov

On Line CEU Courses for Code Officials

The Office of State Fire Marshal Engineering Division is now offering on line classes for Continuing Education (CEU) Credits for Code Enforcement Officials (CEOs).

The online classes are located on the [Code Education Resources](#) page of the OSFM website, with three classes (one each for Fire, Building and Electrical) currently being offered for CEU credit.

On the web page you will find the CS number, the number of CEUs awarded for successful completion of the class, and the Code discipline you can apply the training too. You may only apply the CEUs for each class to one of the approved disciplines for that particular course.

These web-based classes play automatically but can be stopped and started at your own pace. Once the class has ended, you must take a short quiz. After completion of the quiz, there will be an evaluation form to complete. We appreciate your input, and comments/criticisms are always welcome.

Following completion of the evaluation, you must enter your current CEO ID number and the certificate type to which you wish to apply the credit. Then you may print your certificate. We recommend that you retain an electronic copy of the certificate for your records as well.

Staff tries to update the course rosters with the Qualifications Board weekly. This means that you will receive verification of course completion on Monday or Friday morning. In other words, do not worry if you take the class on Tuesday and do not receive a record from the Q-Board right away.

We will be posting more on line training opportunities as they are prepared and approved. If these on line courses are of interest to you, you are encouraged to routinely check the Engineering Web Page for more. When new courses are offered, you will also be notified in the newsletter.

If you have, any questions please feel free to contact Dan Austin at dan.austin@ncdoi.gov.

From the Q-Board:

Building Department Directors, as we approach certification renewal time for 2013, it is very important that you have updated the information we have on the new database for your jurisdiction. Doing this now will benefit you in three ways that you may not have thought of:

1. Check to be sure that the list of certified code officials for your jurisdiction is only showing building officials who are currently employed by you. Otherwise, you will be charged renewal fees for inactive inspectors because those renewal charges are generated directly from information contained on the database. Staff has recently noticed some discrepancies ourselves and this is an opportunity to clean up the database.
2. This is also an opportunity to be proactive and head off any situations where one of your employees does not have adequate CEUs to be able to renew in June. Checking this now will provide time to get them back on track. Additionally, it is the perfect opportunity to be sure that credits for classes taken have been applied correctly.
3. If your contact information is updated, we can contact you to let you know if an employee's certification has been suspended or revoked for any reason.

Below are instructions for Directors and Inspectors to update their information.

Director Updates:

The director should use the links provided below to log into the system and update their information (i.e. inspectors employed, inspection department address, phone numbers, fax number, contact information for the Directors, etc.)

The log in link is <https://apps.ncdoi.net/f?p=114:1:2791333161823501>

Each Jurisdiction has been issued a username and password. If you do not have one, contact us at QBoard.Support@ncdoi.gov or 919-661-5880.

When you log in as the Jurisdiction, the very first page you will see is the home page. This page will give you a list of everyone that the database believes is working for your inspection department and lists in details what certifications they currently hold and their status. You can also see whether or not the inspector has CE credits on this page. If you see a name listed that is incorrect, click on the pencil that is right next to the person's name and mark them as "Not Employed", put the date they became "Not Employed", and add a note if it is needed. You will then select "Forward" and change to "QBoard". By doing this we will receive a message and we will update your Jurisdiction with the correct information. Please make sure the date the person left is included.

Also, be sure to update the profile page by going to the "Profile" tab. Please update any of the information in this "Profile" page if it needs to be changed. Also, please add a

secondary contact (if you have one). When you update your profile, you should change your password as well as your security challenge questions to ensure the security of your homepage.

Inspectors Updates:

Inspectors need to log into the system as well and update their e-mail address, address, phone number, etc... We need to be able to contact the inspectors and it is very important to update this information.

The log in link is <https://apps.ncdoi.net/f?p=114:1:2791333161823501>

Each Inspector has been issued a username (CEO ID #) and password. If they do not have one, they should contact QBoard.Support@ncdoi.gov or 919-661-5880.

Upcoming Seminars and Workshops

- The NC Building Inspector Association's **Winter Education Seminars** are open for registration. Go to <http://www.ncbia.org/> for class schedules, locations and registration information.

- The NC Mechanical Inspector's Association Continuing Education Seminars have been planned and will be conducted as follows:

Morganton, NC	March 13 th
Wilson, NC	April 17 th
Jacksonville, NC	May 15 th
Burlington, NC	June 12 th

For registration information, go to the January issue of the COCO newsletter at http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/Code_Enforcement_Resources/Newsletters/2013%2001~January%202013%20COCO%20NEWSLETTER_.pdf

- The NC Plumbing Inspector's Association has planned its 2013 CEU Workshops.

March 12	2128 S. Sterling St.	Morganton, NC
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May 8	211 S. Hamilton St.	High Point, NC
June 18	5353 N. Virginia Dare Trail	Kitty Hawk, NC
October 17	128 E. Front St.	Burlington, NC

For registration information go to the January Issue of the COCO Newsletter at http://www.ncdoi.com/OSFM/Engineering_and_Codes/Documents/Code_Enforcement_Resources/Newsletters/2013%2001~January%202013%20COCO%20NEWSLETTER_.pdf

- The North Carolina Association of Flood Plain Managers is sponsoring a workshop entitled **The Flood Provisions of the North Carolina Building Code**. This one-day workshop presented by the FEMA Building Science Group will present basic information needed to locate and understand the flood provisions of the North Carolina Building Code which is based on the International Code Series and ASCE 24, Flood Resistant Design and Construction. The workshop will be conducted in March on the 12th and again on the 14th. [Click here](#) to download flyer with more details.

Comments and Suggestions

We welcome your comments and suggestions concerning the Engineering Newsletters. Please forward your feedback to susan.gentry@ncdoi.gov.