

The Inspector

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Fall 2005 Issue

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A WORD FROM OUR PRESIDENT

By: Don Mathes:

CHANGE- WHO WINS? WE ALL WILL

The WBIA Board has decided to make a change in the meeting schedule formerly set up solely by the WBIA. We have met with the State and they have agreed to have our seminars incorporated with the Wisconsin Industry Days. There will not be a Fall 2005 seminar as the State had their first Industry Day seminar a couple of months ago. We did not feel that there would be interest or time for our members to attend another seminar so soon.

We have done some preliminary work and we will be having our next seminar sometime in March 2006. This will be a two day seminar and we already have a National Board speaker coming in for the meeting. We will be trying to set the meetings up so there is interest for all attendees. We are looking at having break out sessions with different topics as we understand that our meetings are not just attended by Inspectors.

We will try to have topics of interest for Inspectors, repair firms, owners/operators and other personnel who have interest in the safe and efficient operation of boilers, pressure vessels and related equipment. If anyone has suggestions for topics please feel free to call Matt Keenan, any of the Board members, Mike Verhagen or Rick Merkle.

We look forward to working with Mike Verhagen and Rick Merkle in getting these seminars set up and believe this will be a win win situation for all involved. These future seminars are being setup to meet the new continuing education requirements for Inspector credentialing.

We will be sending out information to all of you early next year as to the Spring 2006 meeting particulars and look forward to seeing you all there.

WBIA FALL SEMINAR

The WBIA Fall Seminar will not be held this year. The State of Wisconsin held the 1st annual Industry Days August 17th and 18th. Next year the WBIA is working to co-present the 2006 Industry Days. Stay tune for more information on the 2006 Industry Days.



IMPORTANT

Continuing Education Requirements for All National Board Commissioned Inspectors Starts in 2005!

Attending WBIA Seminars helps you meet these requirements.

The Chief's Words:

By: Mike Verhagen, Chief Boiler Inspector



DEPARTMENT NEWS

Waukesha has gone from 87 to 45 degrees in a few days. Yes, the heating season is upon us. Although summer has come and gone, I am ready to prepare for fall and winter activities. Finally got the house painting completed and will roof the deer shack before hunting this year. One weekend soon will winterize lawn mowers and wake up the snow blowers with a cleaning and test run. It's a normal routine in and around the Waukesha and but wish everyone the best in weeks to come.

Below I repeat the code synopsis info from my July 2005 article as it pertains to our new Boiler Code Comm 41 which becomes effective November 2005. The synopsis of the changes is as follows:

2.11 Clarifies the multiple boiler or multiple pressure vessel inspection fee within one building.

5.60 Sets continuing education requirements for renewal of certified boiler inspector credentials.

41.10 Adopted latest 2004 ASME codes, B31.1-2004, PVHO-1-2002, NBIC-2004 & API 510- 2003.

41.15 Adds reporting requirement for inactive and non-existent boilers and pressure vessels. Clarifies exemption for inspection / reporting of power piping (also see 41.41).

41.23 Mandates all inspection reporting be electronic starting one year after the effective date

41.41 Provides exemption of ASME "P-4B" form on certain size ASME stamped boilers.

Exempts "H" stamped cast iron boilers and "UM" vessels from NB registration.

41.62 Mandates NB registration of routine repairs and seal welding of six or more boiler tubes.

Creates a new Subchapter IX for Historical Boilers (see NBIC, Appendix C or "New Brochure")

Don't forget to obtain the "UPDATED" Boiler Code after November 1 - 2005, which is available free from our website @ commerce.wi.gov, in Safety & Buildings Division, under "Codes".

Got questions and no answers ? Well, prior to meeting with your customers, completing boiler installations, repairs, or inspections, a contractor and inspector may utilize the available information from our website. One can search and print specific boiler data, credential status, registration forms, and obtain codes and brochures. Check out our informational program brochures titled: Boiler - Pressure Vessels, Gas Systems & Anhydrous Ammonia, Historical - Hobby Boiler and Mechanical Refrigeration brochures which can be great "question and answer" handouts for your customers. The latest addition to our list of brochures is Structural Steel Welding. All are available on the "Commerce - Safety and Buildings" site under the specific program. Just click and print !

A new Safety Valve Installation Guide is on our website. This one page sheet is very helpful to provide owner/operators the proper methods for installation of safety and safety relief valves on boilers and pressure vessels. A copy is conveniently attached.

(Continued on Page 6)

Where are we going?

By: **Matt Keenan, Secretary WBIA**

Where is the WBIA going? What is the future of the WBIA? These two questions have been bothering me lately. Attendance is down and interest seems to be waning. Over the years this organization has had great participation. Then we have gone through periods when no one attended any of our meetings. The organization has been near extinction a couple of times. The WBIA is again close to extinction. The membership rolls are slowly fading away. WHY? Could it be that participation is blocked by the Companies we work for? Is it we just don't want to make the time? Is it we just don't care?

I always thought that the objectives we set for ourselves were noble. Lets review.

The primary objective of the Wisconsin Boiler Inspector's Association is the general promotion of boiler and pressure vessel accident prevention in the State of Wisconsin. Who would not want to belong to an organization that has that as its primary objective?

The WBIA was also set up to provide contact for boiler inspectors and boiler safety engineers for conference discussions of boiler and pressure vessel accident prevention. The WBIA is to administer appropriate educational programs of benefit to their membership and the community. They develop and promote safe boiler and pressure vessel operating practices. Have discussions about the various interpretations of the Wisconsin Code requirements and codes it incorporates. Cooperate with state agencies and with local, regional, and national safety organizations, industrial employers, and other agencies in the promotion of boiler and pressure vessel accident prevention. You would think people would want to belong to such a proactive organization.

Well the WBIA is again trying to enlist your help. We need your help. We need your participation.

So where is the WBIA going and what is the future? Hopefully the organization will have a long and helpful life. The WBIA is hoping to team up with the State to put on annual meetings that will be well attended and have good training opportunities. The WBIA has also put together other training opportunities. Seminars and operator training classes are now available to anyone. Give a call to one of the Board Members and let them put together a training program that will work for you!

I do want to take a moment to thank those members who have over the years put a lot of effort in making the WBIA a success. These are the folks on the Board of Directors. The people on the Board of Directors can not do it by themselves. Most of the people on the Board have been on the Board for years, and years, and years. Without them this organization would have folded years ago.

THANK YOU GUYS!

WBIA Officers & Board Members

Officers:

Don Mathes, President	donald_mathes@hsb.com
Darrell Stumpf, Vice President	dkstum@execpc.com
Matt Keenan, Secretary	keenan@lakeland.ws
Jim Holter, Treasurer	james_holter@hsb.com

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WBIA Helps You Meet Your Training Needs

The Wisconsin Boiler Inspector's Association is offering training classes/seminars.

If you are interested in setting up boiler & pressure vessel training during the year let the WBIA know and we will tailor training to meet your needs. Certificates issued for all training hours. Contact Matt Keenan, Secretary @ 715-648-5506.

Becker Boiler Company, Inc.

1785 E. Bolivar Ave.
St. Francis, WI 53235
482-2840 Fax: 482-0259

Advertising in the Inspector

To defray the cost of publishing "The Inspector" we will be accepting your advertisements. "The Inspector" is published twice a year and reaches boiler operators, Commissioned Inspectors, manufacturers, and many more. "The Inspector" is read by people in a 4 State area. These include Wisconsin, Minnesota, Iowa and Illinois.

Please help us reach more people, Advertise in "The Inspector".

Please contact a board member today to get registered or you can reach the WBIA Secretary at keenan@lakeland.ws.

Future Seminars

The Officers and Board of Directors are looking for ideas for seminars. Please contact an officer or board member and voice your suggestions on future training seminars.

The WBIA wants to ensure that good quality educational seminars are presented.

Continuing Education Requirements for All National Board Commissioned Inspectors

Continuing Education has been added as a requirement for maintaining an inspector's National Board Commission. It will be mandatory that each commissioned inspector attend a National Board seminar or receive other instruction related to inspections at least once every three years. The topic may include any subject which is relevant to the inspection process, such as methods, products, materials, technology, or changes to construction or repair codes.

Starting in October 2005 with the distribution of the National Board Commission renewals, the National Board will ask each employer to provide a list of such continuing education for each inspector applicable to the current year. Training records will be maintained for each inspector. Authorized Inspection Agencies will be notified beginning mid-2006 of any inspectors in their employ who have not met the continuing education requirement. Beginning with October 2006 commission renewals for the year 2007, inspectors who have not reported (via their employer) having completed such continuing education will not have their commissions renewed.

[Rules for Commissioned Inspectors](#), NB-263, Rev. 12, has been restructured to Continuing Education Requirements in paragraph 2.4.3 *Continuing Education*.

Thought of the Day

"Never let yesterday use up too much of today." - [Will Roger](#)

MILWAUKEE BOILER INTERNATIONAL



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Retirees

Anyone knowing of inspectors retiring please inform us so we can get their names in this Newsletter.

DID YOU KNOW?

Did you know?...It is impossible to lick your elbow.

Did you know?...Intelligent people have more zinc and copper in their hair.

Did you know?...Coca-Cola was originally green.

Did you know?...23% of all photocopier faults worldwide are caused by people sitting on them and photocopying their butts.

Did you know?...In every episode of Seinfeld there is a Superman somewhere.

Did you know?...If the government has no knowledge of aliens, then why does Title 14, Section 1211 of the Code of Federal Regulations, implemented on July 16, 1969, make it illegal for U.S. citizens to have any contact with extraterrestrials or their vehicles?

Did you know?...Wearing headphones for just an hour will increase the bacteria in your ear by 700 times.

Did you know?...More than 50% of the people in the world have never made or received a telephone call.

Did you know?...The "sixth sick sheik's sixth sheep's sick" is said to be the toughest tongue twister in the English language.

Did you know?...The Eiffel Tower in Paris weighs over 1000 elephants.

Did you know?... In 1879, a mail service in Belgium employed 37 cats to carry bundles of letters to villages around the town of Liege, this experiment was shorted-lived as the cats proved thoroughly undisciplined. Just plain weird...even by my standards.

Did you know?...Fish that live more than 800 meters below the ocean surface don't have eyes.

Did you know?...Hydrogen is an explosive gas. Oxygen supports combustion. Yet when these are combined it is water which is used to put out fires.

Did you know?...Grapes explode when you put them in the microwave. Go on, try it then

Did you know?...Dueling is legal in Paraguay as long as both parties are registered blood donors.

Did you know?... The greatest recorded number of children that have been born by one mother is 69! The poor lass gave birth to 16 pairs of twins, seven sets of triplets and a measly 4 sets of quadruplets. Even in the days before IVF!

Did you know?...Males, on average, think about sex every 7 seconds.

Did you know?... Every 5 seconds a computer gets infected with a virus

Did you know?...13% of Americans actually believe that some parts of the moon are made of cheese...yummy

Did you know?...The world's youngest parents were 8 and 9 and lived in China in 1910.

Did you know?...If you could count the number of times a cricket chirps in one minute, divide by 2, add 9 and divide by 2 again, you would have the correct temperature in Celsius degrees... How do they know that?

Did you know?...No piece of square dry paper can be folded in half more than 7 times

Did you know?...The people who make school kitchens, also make electric chairs.

Did you know?... The average human eats 8 spiders in their lifetime at night. Did you know?..."Stewardesses" is the longest word typed with only the left hand.

Did you know?...The sentence "the quick brown fox jumps over the lazy dog" uses every letter in the English language.

Did you know?...1 in every 200 people are a psychopath and they look just like everyone else.....

Did you know?...An average human loses about 200 head hairs per day.

**Advance Boiler &
Tank Co., LLC**



Energy Department Awards \$2.6 Million to Boost Combustion Efficiency in Industrial Boilers

WASHINGTON, DC-- The U.S. Department of Energy (DOE) today announced the selection of three new combustion technology research and development (R&D) projects that will receive nearly \$2.6 million in total cost-shared funding over the next two years. The selected R&D teams plan to develop advanced industrial boilers that deliver superior energy and environmental performance. By 2020, these boiler technologies are expected to reduce energy use in industrial boilers by seven percent, saving industry \$2 billion per year in energy costs.

“Combustion systems use nearly three-quarters of all energy consumed in U.S. manufacturing,” said Douglas L. Faulkner, Acting Assistant Secretary for Energy Efficiency and Renewable Energy. “These new technologies are expected to help save energy, increase efficiency and improve environmental performance throughout the manufacturing sector.”

The three new projects were selected through an open, competitive solicitation process. The collaborative R&D teams include seven private companies and research organizations, two national laboratories, and three universities. In 2007, one or two of the projects will be selected for field testing, with the industry cost share increasing to 50 percent.

For more information on DOE’s programs to improve industrial energy efficiency, visit the Energy Efficiency and Renewable Energy website at <http://www.eere.doe.gov/industry> or call 877-337-3463.

Media contact:

Chris Kielich, 202/586-5806

DEPARTMENT NEWS (con’t from Page 2)

Got questions and no answers ? Well, prior to meeting with your customers, completing boiler installations, repairs, or inspections, a contractor and inspector may utilize the available information from our website. One can search and print specific boiler data, credential status, registration forms, and obtain codes and brochures. Check out our informational program brochures titled: Boiler -Pressure Vessels, Gas Systems & Anhydrous Ammonia, Historical – Hobby Boiler and Mechanical Refrigeration brochures which can be great “question and answer” handouts for your customers. The latest addition to our list of brochures is Structural Steel Welding. All are available on the “Commerce - Safety and Buildings ” site under the specific program. Just click and print !

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FALL 2005 WBIA MEETING - has been cancelled

No Fall WBIA meeting for Fall 2005 due to the 1st Annual Industry Days that was scheduled August 17-18. For those who missed it, Combustion Safety Inc., from Cleveland Ohio helped to make the two day seminar a great success with the first day packed with combustion safety basics and important fuel train info. Fantastic meals were catered and included an afternoon break with numerous ice cream flavors from which to choose. The maple nut at our 1st Annual Industry Days may be hard to beat but ...

..... MARK the week of March 20-24 on YOUR CALENDAR for

Plans for 2nd Annual INDUSTRY DAYS have begun for Industry Days 2006. In cooperation, the WBIA, National Board and Department of Commerce will present training to our industry customers that may fulfill an attendees continuing education credits “CEU” requirements. National Board instructors have been tentatively scheduled for the week of March 20-24 to provide 2 days of training for Wisconsin’s 2nd Annual “Industry Days”. Mark your calendar today !

New AIA for Inservice Inspection Services

On October 12, 2005, a certificate was issued to the first Authorized Inspection Agency outside North America accredited for Inservice Inspection Services.

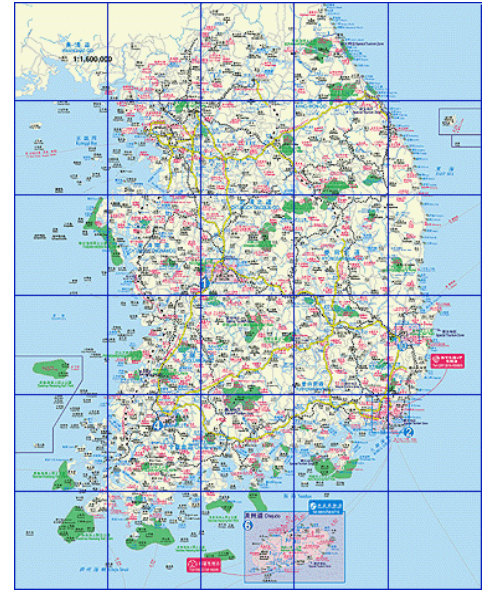
The Certificate of Accreditation was issued to the Korea Electric Management Corporation (KEMCO), in the Republic of Korea.

KEMCO's quality program was audited in September 2005 and met the requirements of NB-369,

Qualifications and Duties for AIAs Performing Inservice Inspection Activities and Qualifications for Inspectors of Boilers and Pressure Vessels.

The accreditation permits KEMCO to employ National Board commissioned inspectors to perform inspections.

The National Board has accredited 25 AIAs in the United States and five in Canada.



Want to be a National Board Inspector

Presently, there is a critical shortage of boiler and pressure vessel inspectors. To become a National Board commissioned inspector is to join a select fraternity of self-disciplined, highly trained professionals. It is a profession of considerable training and preparation. But it is a rewarding profession, especially for those who like working independently or who may want the security and benefits associated with public service. Boiler and pressure vessel inspection is particularly appealing to those with an interest in welding, electrical wiring and controls, plumbing and piping, fire safety procedures, and building codes and standards.

To initially qualify as a National Board commissioned inspector, prospective applicants must possess a high school diploma (or equivalent educational background) **AND** some combination of the following areas of education and experience, best obtained through industry employment:

- Technical training in inspection
- Technical curriculum

- Some combination of college or university exposure
- College or university degree

One full year of technical experience in:

Engineering design, Manufacturing, Operation of boilers exceeding, 50,000 pounds, Repair, alteration, or maintenance of boilers/pressure vessels, Quality control systems Inspection, NDE Level II examiner of boilers/pressure vessels

NOT ALL of these educational and experience requirements must be completed to qualify for a National Board commission. However, each requirement is assigned a different credit value, and

SOME COMBINATION OF CREDITS TOTALING FIVE POINTS MUST BE ACHIEVED.

Once a candidate has earned a commission, he or she must be regularly employed as a boiler inspector by a state of the United States, a province of Canada,

a municipality, or an insurance company which is authorized to write boiler and pressure vessel insurance in the United States or Canada.

Additionally, a candidate who has earned a National Board Owner-User commission must be regularly employed as an inspector by an accredited Owner-User organization. The National Board only commissions inspectors for states, provinces, municipalities, authorized inspection agencies, and accredited Owner-User organizations.

In addition to meeting the education and experience requirements above, all applicants must successfully complete the National Board Commission Examination and obtain a certificate of competency issued by a jurisdiction.

For a complete list of qualifications, consult the National Board's, Rules for Commissioned Inspectors, For additional information about qualifying to receive a National Board commission, contact the member jurisdiction nearest you, listed below.



WBIA

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