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Office of the Illinois  
State Fire Marshal  
Boiler and Pressure Vessel Board  
Meeting Minutes  
December 10, 2014

The Illinois Board of Boiler and Pressure Vessel Rules meeting was held at the Candlewood Suites in Springfield, IL December 10, 2014. Mr. Hoveke, Chairman, called the meeting to order at 8:30 a.m.

**ITEM 1 – INTRODUCTIONS**

Introductions were made at the start of the meeting.

Board Members Present:

Ed Hoveke	Present
Don Partney	Present
John Skermont	Present
George Galanes	Present
Harold Hacker	Present
Ralph Rockwood	Present
Jim Coates	Present

OSFM Staff Present:

Clayton Novak, Chief Boiler Inspector, Boiler Division  
Tom Andryk, Technical Advisor III, OSFM  
Alex Armstead, OSFM  
Rosa Velez, OSFM, Boiler Division

Guests Present:

Brandon Steinhart, FM Global  
Brent Metrow, IL Emergency management Agency  
Ralph and Deborah Schrader, Thresherman & Assoc  
Chad Hertz, IKO Midwest  
Brian Weathers, CNA  
Chris Jarot, CNA  
David Weber, Dynegy  
Larry Hooks, Dynegy  
Ed Anderson, OSFM  
Mike Vogel, OSFM  
Randy Holland, Cincinnati Insurance  
Dwayne Dierksen, Cincinnati Insurance  
Kevin Jorgensen, Chubb Ins  
Charles Malsch, IHBA  
Ken Nisly-Nagele, Archer Daniels Midland  
Tom Runty, Illinois Historical Boiler association  
Daman Williams, CNA  
Jim Schiller, GE Consolidated Safety Valve  
Ron Weiss, FM Global  
Fred Kruse, HSB Global Standards  
Bob Underwood, HSB  
Andrea Fort, Abbott  
Richard Glodowski, Abbvie, Inc  
Herschel Hall, Jersey Company  
Aaron Whitworth, Historical Boiler Owner  
Gaylen Greer, Thresherman & Assoc

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Matt Hall, Praireland Heritage Museum  
Mike hall, Praireland Heritage Museum  
Joe McMullen, Thermogenics boilers  
Pat Malsch, NISPC  
Andy Craig.

**ITEM 2 – APPROVAL OF AGENDA**

Ed Hoveke asked for a motion to accept the agenda.

Motion;        John Skermont  
Second;        George Galanes

**Approved.**

**ITEM 3 – APPROVAL OF MINUTES**

Ed Hoveke asked for a motion to accept the minutes of the 9-4-14 meeting.

Motion;        John Skermont  
Second;        Don Partney

**Approved.**

**ITEM 4 - DIVISIONAL REPORTS**

Mr. Novak presented the Divisional Reports for the month of **NOVEMBER**

**State Inspections completed;**

- 962    Low pressure boiler inspections
- 99     High pressure boiler inspections
- 363    Pressure vessel inspections
- 1,424   Total State inspections

**Insurance company inspections**

- 1,079   Low pressure boilers
- 287    High pressure boilers
- 530    Pressure vessels
- 20     Owner Users
- 1,916   Total Insurance Company inspections
  
- 3,340   Combined total inspections for State and Insurance companies

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**Past Due inspections over 90 days for both the State and insurance companies.**

State Past due

- 34 Low pressure boilers
- 10 High pressure boilers
- 26 Pressure vessels
- 70 Total State Past Due inspections

Insurance Past due

- 33 Low pressure boilers
- 27 High pressure boilers
- 79 Pressure vessels
- 139 Total State Past Due inspections
  
- 209 Combined total past due inspections (90 days or more)

**Total Active Objects**

State

- 19,780 Low pressure boilers
- 802 High pressure boilers
- 12,826 Pressure vessels
  
- 33,408 Total State Objects

Insurance Companies

- 32,332 Low pressure boilers
- 2,740 High pressure boilers
- 30,730 Pressure vessels
  
- 65,802 Total Insurance objects
  
- **99,267** **Combined Grand total active objects**

**Violations/Audits/Reviews**

- Violations 173
- Resolved past violations 290
- Audits/Reviews 3
- Convictions 0
- Suspensions 0

## **ITEM 5 – OLD BUSINESS**

- **JCAR Updates**

Tom Andryk, Technical Advisor for the OSFM updated the board that our proposed amendments were delivered to JCAR on 9/3/14.

1. Co2 vessels, Status quo as of 12/10/14, working on re-codification (*reassign section numbers and chapter numbers*) with JCAR.
2. Historical Boilers inspection, Status quo as of 12/10/14, working on re-codification with JCAR.

- **Internal Pressure Vessel Inspection**

Internal inspection procedure for vessels in a corrosive environment including but not limited to, air compressors, air receivers, etc. Clayton presented the procedure for the board's approval.

1. Board approved 1st draft revision #1. Clayton will have internal inspection procedure on website by 12-15-14

**TEAM Industrial** --- Performed Phased Array presentation to board. Team explained that this is the preferred method of inspecting the internal conditions of a vessel. This option of Phased array is a much more cost effective and efficient way of testing for accuracy. This internal inspection can be performed with-out entering the vessel. Vessel entry can also contaminate the vessel by introducing air which can cause premature pitting and other issues. The Omni-scan software can be saved and data can be saved electronically and reviewed at any time. With phased array you get 100% coverage with one pass. Much better inspection than the conventional mag particle or conventional ultra sound. There is a free viewer available to review the data.

Clayton feels this is a wonderful option for internal inspections of vessels.

- **De-Rating of Pressure Vessels**

- George Galanes, Ralph Rockwood and Clayton are on a sub-committee to investigate the de-rating of pressure vessel methods and procedures.
- De-rating procedure will be posted on website to review for all interested parties to receive comments and feedback. George feels this is a good start to this de-rating procedure.
- Will continue discussion at March 2015 meeting

**ITEM 6 – NEW BUSINESS**

1. Clayton received 16 new gas detectors for his inspectors for safety precautions.
2. Clayton discussed the National Board Chiefs meeting in October, Clayton informed us about the discussion of tube repairs. Tube plugs are considered a “Repair”. A tube repair is not a “Routine repair”.
3. Tom Runty from Historical Boiler association discussed Historical Boiler/Traction Engines. Tom feels that they have covered NON-ASME boilers as well as ASME boilers. They would like to have historical boilers/Traction engines exempt from the State rules that call for a non-asme vessels must apply for a state special permit. Tom would like to have historical boilers/traction engines follow the NBIC code. Clayton informed that there are less than 100 of these boilers in the state. Tom feels very few of these 100 boilers are ASME stamped. Many of these engines were built in the 1905 era. Tom also recommends that these boilers can be re-classified as a different class. THE HISTORICAL ASSOCIATION feels that the state inspectors do a great job and feels that if the state inspector deems the engine in a safe condition that should be adequate and an “Illinois state special” should not be required. Ed Hoveke mentioned that maybe an operator’s license may be an option for these types of engines.
4. Modifications and Alterations of historical boilers. Standard Stay bolt pattern is a “4 inch” stay bolt pitch. It was proposed by Aaron Whitward that he would like to modify his pitch to 5-1/4 inch pitch. Clayton informed Aaron (owner) that a national board code shop must perform this work per the code and owner must supply all the data sheets per the alteration at the time of inspection.
5. IKO Corporation. IKO performed a presentation to review the state special application for permit to use a small steam generator that is not ASME stamped. The generator has been transported from Canada and all data has been previously submitted to board for review. Thermogenetics manufactured this generator which Thermogenetics attended this meeting to answer any questions that he board may have. Ralph Rockwood requested the scope of the “fully refurbished” work that was completed. Thermogenetics will provide board a scope of work that was completed. George Galanes asked about how unit was stored. Thermogenetics informed that generator was stored inside and it was a warehouse facility and out of the elements.
  - a. The board voted on the acceptance of the State Special that was applied for. Board accepted the state special contingent that a revised letter explaining the scope of work that was completed on this generator and how it was stored.

Motion to accept:     Ralph Rockwood  
Second:                 George Galanes  
Motion passed by board

**ITEM 7 – NEXT MEETING DATE**

The date of the next meeting will be on March 11, 2015 at 8:30 am in Springfield at the State Fire Marshal's office located at 1035 Stevenson Dr.

**ITEM 8 – ADJOURNMENT**

There being no other business, the meeting was adjourned at 10:30 AM.

Motion: George Galanes

Second: John Skermont

**Approved.**

Respectfully submitted

A handwritten signature in cursive script that reads "Harold Hacker".

Harold Hacker  
Secretary