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Office of the Illinois  
State Fire Marshal  
Boiler and Pressure Vessel Board  
Meeting Minutes  
September 4, 2014

The Illinois Board of Boiler and Pressure Vessel Rules meeting was held at the Candlewood Suites in Springfield, IL September 4, 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
Chuck Hickman	Present
Don Partney	Present
George Galanes	Present
Harold Hacker	Present
John Skermont	Present
Ralph Rockwood	Present

OSFM Staff Present:

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

Guests Present:

Brandon Steinhart, FM Global  
Brad Wolters, Citgo  
Brent Metrow, IL Emergency management Agency  
Brian Weathers, CAN  
Chris Jarot, CNA1  
David Douin, National Board  
David Weber, Dynegy  
Randy Holland, Cincinnati Insurance  
Dwayne Dierksen, Cincinnati Insurance  
Daman Williams, CAN  
Jason Burns, Chubb INS  
Jim Schiller, GE Consolidator  
Ron Weiss, FM Global  
Fred Kruse, HSB Global Standards  
Bob Underwood, HSB  
Ryan Corn, Marathon Petroleum Company  
Ron Roush, Citgo  
Andrea Fort, Abbott  
Richard Glodowski, Abbvie, Inc

**ITEM 2 – APPROVAL OF AGENDA**

Ed Hoveke asked for a motion to accept the agenda.

Motion; Chuck Hickman  
Second; George Galanes

**Approved.**

**ITEM 3 – APPROVAL OF MINUTES**

Ed Hoveke asked for a motion to accept the minutes of the 6-4-14 meeting.

Motion; Don Partney  
Second; George Galanes

**Approved.**

**ITEM 4 - DIVISIONAL REPORTS**

Mr. Novak presented the Divisional Reports for the month of July

**State Inspections completed;**

- 1,121 Low pressure boiler inspections
- 121 High pressure boiler inspections
- 564 Pressure vessel inspections
- 1,807 Total State inspections

**Insurance company inspections**

- 1,270 Low pressure boilers
- 271 High pressure boilers
- 947 Pressure vessels
- 2,490 Total Insurance Company inspections
  
- 4,297 Combined total inspections for State and Insurance companies

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

State Past due

- 44 Low pressure boilers
- 14 High pressure boilers
- 9 Pressure vessels
- 67 Total State Past Due inspections

Insurance Past due

- 42 Low pressure boilers
- 37 High pressure boilers
- 35 Pressure vessels
- 114 Total State Past Due inspections
  
- 187 Combined total past due inspections (90 days or more)

**Total Active Objects**

State

- 20,187 Low pressure boilers
- 798 High pressure boilers
- 12,629 Pressure vessels
  
- 33,614 Total State Objects

Insurance Companies

- 31,962 Low pressure boilers
- 2,775 High pressure boilers
- 30,803 Pressure vessels
  
- 65,540 Total Insurance objects
  
- 98,210 **Combined Grand total active objects**

Violations/Audits/Reviews

- Violations 251
- Resolved past violations 265
- Audits/Reviews 5
- 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. Effective immediately, the boiler rules will reflect the latest code additions of the 2013 NBIC and ASME 2013.

- **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.

Ed Hoveke asked for a motion to approve the internal inspection procedure.

Motion; Harold Hacker  
Second; George Galanes

**Approved.**

**Three (3) Rule changes proposed**

1. **Co2 Remote Monitoring in Public Establishments**

1. Clayton would like to have detectors/sensors in all establishments/locations that have Co2 tanks/vessels either "inside" or "outside" their facilities due to the

product is still going inside the building which can be dangerous to life and health if a leak occurs.

2. Additionally, Clayton informed the board that there are many pressurized nitrogen tanks in establishments that can also become an issue with the safety of the general public.
2. **NFPA 54-2009, (venting for small boilers)** currently we use for recommendations for small boilers. However, Clayton proposed that all piping to the outside have at least 36" clearance from grade level instead of the NFPA requirement of 12" above grade. The 12" above grade becomes an issue when it snows and restricts the exhaust gases of combustion. Need to edit the rules to reflect 36" above grade.
3. **Historical/Antique Boiler Inspections**
  - o Current re-occurring inspection is every two years in rules.
  - o Clayton would like to enforce when a 2 year inspection interval is skipped (4 years), the owner will be required complete an initial inspection of the boiler and to hire a qualified third party company to perform a full UT Grid of the boiler. This UT inspection will not be performed by the State.

Ed Hoveke asked for a motion to move forward with the rule changes listed above.

Motion; Chuck Hickman  
Second; George Galanes

**Approved.**

Tom Andryk informed board that these changes will not be able to be filed for approx. 4-6 months. The filing will take place after the recodification is in place by JCAR. This recodification will state that the Boiler board is making the recommended rule changes rather than OSFM.

### **Term Expirations**

Ed Hoveke asked Clayton to check into the re-appointment process for board members. Clayton informed the board that last week the Fire Marshal requested resumes of applicants and they were forwarded to the Governor's office.

### **Boiler Safety Conference**

- 1:00 PM. Today and Tomorrow at 8:30AM.
- Main Topic will be "Internal Inspections of corrosive vessels"
- Guest speakers will be present from the National Board and Presesis.

### **ITEM 6 – NEW BUSINESS**

1. Inspection requirements for pressure vessels and air receivers.
2. The Illinois Boiler and Pressure Vessel Safety Act requires that vessels subject to internal corrosion shall be inspected internally and externally every 3 years. Clayton feels that internal inspection can be skipped on small air receivers by performing a spot UT test in suspected areas of corrosion.
3. George Galanes feels that the jurisdiction should have rules that in the event the vessel falls below minimum thickness there is a de-rating process of the vessel to give owner/users some flexibility.
4. George Galanes and Ralph Rockwood is chairing a sub-committee on investigating the “De-rating Pressure Vessels” that other jurisdictions may have in place. George will report back to board on his findings.
5. George will look into “Rendering Vessels” which come from the factory with a de-rating schedule/chart that as vessels thickness goes down the MAWP goes down per the manufactures chart. Safety valves must be changed accordingly.
6. Brian Moore from Hartford Steam Boiler informed the board that the (AIA) American Insurance Association has concerns about several installation codes such as, but not limited to, CSD1, Part 1 of the NBIC, NFPA 85, NFPA 55, on the inconsistent interpretation of the installation of these components due to the complexity of these codes. He feels there is a need for language in the codes that guides the in-service inspectors of these codes which would eliminate misinterpretation. He also expressed the concerns about energy management systems that boilers are automated and may have controls jumped out or not property commissioned and tested during the installation. Brian feels that the controls are not covered in the codes and would like to encourage the board that beyond the initial installation what responsibilities do we want to give the in-service inspector to assure the public that these boiler controls are functioning property and per the manufactures design criteria.

### **ITEM 7 – NEXT MEETING DATE**

The date of the next meeting will be in Springfield on December 10, 2014

### **ITEM 8 – ADJOURNMENT**

There being no other business, the meeting was adjourned at 9:30 AM.

Motion: George Galanes

Second: Ralph Rockwood

**Approved.**

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Boiler and Pressure Vessel Meeting Minutes  
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Respectfully submitted

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

Harold Hacker  
Secretary