



STATE OF TENNESSEE
DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
BOARD OF BOILER RULES
ANDREW JOHNSON TOWER, 3RD FLOOR
710 JAMES ROBERTSON PARKWAY
NASHVILLE, TENNESSEE 37243-0657
(615) 741-2123

MINUTES

**QUARTERLY MEETING OF THE STATE OF TENNESSEE,
BOARD OF BOILER RULES, 9:00 A.M., DECEMBER 7, 2005
ANDREW JOHNSON TOWER, 2ND FLOOR HEARING ROOM
710 JAMES ROBERTSON PARKWAY, NASHVILLE**

I. CALL MEETING TO ORDER – (11) - Chairman Lunn called the meeting to order at 9:00 a.m.

Chairman Lunn welcomed everyone and recognized the Director of the Boiler Division, Gary Cookston and Legal Counsel, Sydne Ewell.

- II. INTRODUCTIONS AND ANNOUNCEMENTS – (18)** -Chief Toth announced that there were hopes of having Mr. Morris Snow, past Chief Inspector with the State of Tennessee and also past Chairman of the Board of Trustees for the National Board at the meeting but Mr. Snow had a doctors appointment and would not be able to attend. Mr. Snow was presented at the September 2005 Tennessee Boiler Inspectors Fall Conference the inaugural Tennessee Boiler Safety award. Mr. Snow was unable to attend the conference but Chief Toth said he was able to present the award to him at the Fall Meeting of the Chief Boiler Inspectors in Columbus, Ohio. Chief Toth informed the group that Mr. Steve Woodward, Boiler Inspector had succumbed to cancer and passed away. Also, Bill Howell, Chief Inspector for Factory Mutual, FM Global, had a heart attack and passed away. Chairman Lunn acknowledged the date, December 7th as a memorable date for the Country and a moment of silence was observed. Arthur Franklin joined the meeting and introduced his new Assistant, Carolyn Sherrod. Ms. Sherrod will fill in for Carlene Bennett in the event of her absence at future Board meetings. Chairman Lunn said that Dr. Johnson had called in and was stuck in traffic; he will be joining the meeting in progress. Board members present: Eddie Lunn, Brian Morelock, Dr. Domenic Canonico, Edwin Vance, Dr. Glen E. Johnson, and Mr. Wayne Hiter. Boiler Division Staff present: Arthur Franklin, Gary Cookston, Sydne Ewell, Carolyn Sherrod, Martin Toth, Deborah Rhone, and Carlene Bennett. Guest present: Edward Justus, UT Memphis; Mike Bilderbeck, Pickering Inc.; Tom Stewart, TN Eastman Chemical Co.; Mike

Davidson, TN Eastman Chemical Co.; Joseph T. Nelson, Coorstek; Ted Jones, Summit Medical Center; C. Blake Neville, Neville Engineering; Greg Kelly, Boiler Supply Co., Inc.; Rod Addison, Valero; Mike Taylor, Ware Inc.; David Fox, Ware Inc.; Dale Jones, Billings Crane & Mechanical, Inc.; Gary Buettner, Russell Stover Candies, Inc.; Brian Blair, Young Technical Services; Frank Childers, TN-KY Threshermen's Association; Rick Apple, Historic Boiler Task Group; Travis Brown, Historic Boiler Task Group; John Pattie, Historic Boiler Task Group; Neil Jackson, HSB; APTECH Engineering Services, Inc.; Richard T. Hallman, Applied Mechanics Co.; Clay Glaskox, Summit Medical Center.

III. CONFLICT OF INTEREST REPORTS – (83) -Chairman Lunn informed the Board that annually its members must complete a Conflict of Interest Policy acknowledgement and requested that each member present complete one before the conclusion of the meeting.

IV. ADOPTION OF THE AGENDA – (99) – Chairman Lunn asked for a motion to approve the agenda. Chief Toth said he had a late entry for the agenda which he asked permission to assign as agenda Item 05-35. A motion was made by Mr. Vance to adopt the agenda; seconded by Mr. Morelock. The vote was taken and the agenda was adopted.

V. APPROVAL OF THE MINUTES FOR THE MEETING OF SEPTEMBER 28, 2005 – (122) – Dr. Canonico made a motion to approve the minutes; Mr. Vance seconded the motion. The minutes were unanimously approved as written.

VI. CHIEF'S REPORT – (132) – Presented by Chief Toth and attached to these minutes. Chief Toth introduced Mr. Bob Harrison who is the Division's Quality Control Team Leader.

VII. OLD BUSINESS

Item 04-21 – (209) Mr. Tony Norton, Eastman Chemical Company, will report on the status of the contingent approval for an alteration to a “Tennessee Special” layered pressure vessel (TN# 64340, TS6694) submitted by Eastman Chemical Company, Tennessee Operations, Kingsport, TN, at the September 22, 2004 Board of Boiler Rules meeting. Mr. Norton was not available to update the Board so Mr. Morelock gave the update for Eastman Chemical Company. He said that Eastman was still in the process of obtaining information to get the alteration completed. They had chosen a manufacturer to do the alteration but the company had gone out of business. The company is pursuing another company to do the alteration service. This item was tabled for discussion at the next scheduled Board meeting.

Item 05-13 – (225) - CoorsTek, Inc., Oak Ridge, TN has requested authorization for repairs/alterations to Tennessee Special 12-95-1 (TN# T00273)...The proposal is to remove the corroded area of the shell, the company would like to mill material from the shell. The removed material will not be replaced. Joe Nelson representing CoorsTek, Inc. and Rick Hallman, technical expert in regard to pressure vessels were available to present this item to the Board. Mr. Nelson said corrosion is not really an appropriate description; they are more like scratches that are affecting the seal area. The seals are starting to leak and they would like to repair them; new seals have been ordered from the manufacturers. It is a State Special originally approved in 1995. Mr. Morelock asked if in 1995 when the inner liner was designed if it was at minimum required thickness for that liner at the time and if milling additional material would compromise the minimum required thickness for the inner liner. Mr. Hallman said that this type of equipment was over designed; it would not be designed that thick today. Mr. Hallman said that there was no minimum calculation in the ABB book that said what the minimum shell liner thickness should be. Mr. Morelock asked if when they inspect this vessel to detect a relaxation of the windings if they are measuring the inside diameter. Mr. Hallman said yes and that they also measure two marks on the frame that are approximately 500 millimeters apart. Mr. Morelock asked if when they did this machining if they would have to reset their baseline values and Mr. Hallman replied yes. After much discussion Chairman Lunn stated that the request was for authorization to make repairs and alterations to the Tennessee Special and entertained a motion which was made by Mr. Morelock and seconded by Mr. Vance. Mr. Morelock added that milling .0098” is not a lot of material to be removed but the Board’s concern is in making sure that the liner will not be thinned down so that there is an issue with the compressive stress of the winding and the internal pressure of the vessel. The ultimate intent of the Board is to make sure that a safe vessel will be the result. Mr. Hallman said this equipment has a projected life based on maximum allowable pressure and they are not even close to approaching the end of the life expectancy. Chief Toth said that initially his concern was because, due to an error, they had originally requested to mill a larger amount of material but that he didn’t have a problem at this time with the amount they are requesting. Dr. Canonico said one thing that made him comfortable is the fact that they do not go into tension at any time; they are always in compression. A vote on the motion was taken and carried with Dr. Canonico abstaining. Mr. Hallman said he would like to have written approval from the Board. Chairman Lunn said that Chief Toth would be his contact for that. Chief Toth said he would provide CoorsTek with the requested documentation.

Item 05-14 – (978) - Review a request and documentation from Russell Stover Candies, Cookeville, TN, for a variance to Boiler Attendant Rule, Paragraph 0800-3-3-.04(22). David Fox, Ware Inc. and Gary Buettner, Plant Manager for Russell Stover Candies, Inc. was available to bring this variance request before the Board. Chief Toth reported that this item was an old business item that was brought before the September 28, 2005 meeting and was tabled due to lack of representation. The discussion centered on the security guard acting as operator during certain shifts. The Board required that the guard

be trained, the manual revised to reflect his role, and documentation be kept on site of the training provided. Also, under code a kill switch needs to be installed outside the boiler room. It was confirmed that there is a shut off switch at the remote monitoring station. Chief Toth stressed the need for a boiler operator on duty 24 hours a day, 7 days a week. Dr. Canonico made a motion to accept provided that Chief Toth is satisfied with the corrections once they are made. Mr. Hiter seconded the motion and it was carried with Chairman Lunn abstaining. Russell Stovers Candies, Inc. will contact Chief Toth when they are ready for an inspection.

VIII. NEW BUSINESS

Item 05-24 – (1482) - The Board is asked to review, accept, and vote on the Historic Boiler Task Group’s recommended rule changes to 0800-3-3-.08 (Historic Boilers). Chief Toth acknowledged and thanked the members of the Historic Boiler Task Group who worked on the proposed rule changes. He reported to the Board that the Attorney General’s office had some editorial changes and that they had been made. Chairman Lunn entertained a motion to accept the recommended rule changes as presented. A motion was made by Dr. Canonico, which was seconded by Mr. Hiter. A vote was taken and was unanimously approved by the Board.

Item 05-25 – (1668) - Mr. Rodney Addison, Valero (previously Premcor), Memphis, TN will present an annual report of their accepted Risk Based Inspection (RBI) program to the Board. Brian Blair, Young Technical Services; Steve Anderson, APTECH Engineering Services, Inc.; and Rodney Addison, Valero were on hand to present their annual report to the Board. They informed the Board that there has been a change in company ownership. Management is considering a change in the chain of command where the Inspection Department reports to the Maintenance Department instead of the Engineering Department. Chief Toth and the Board agreed that would be unwise. After the presentation of the report, Chairman Lunn entertained a motion to accept the report and approve the continuation of the program. Dr. Canonico made a motion to accept with the contingency that if the Company did make the proposed change in the chain of command, then it would not be approved and must be brought back to the Board for further discussion. Mr. Vance seconded the motion and the motion carried after the vote was taken.

Item 05-26 – (2193) - Review an application and documentation from PCE Constructors, Inc., Prairieville, LA, for a license to engage in repairs and alterations on boilers and pressure vessels in Tennessee. The Board reviewed the material provided and Dr. Canonico made a motion to approve, which was seconded by Mr. Vance. The motion was voted on and was unanimously approved.

Item 05-27 – (2193) - Review an application and documentation from Mundy Service Corporation, Houston, TX, for a license to engage in repairs and alterations on boilers and pressure vessels in

Tennessee. The Board reviewed the material provided and Dr. Canonico made a motion to approve, which was seconded by Mr. Vance. The motion was voted on and was unanimously approved.

Item 05-28 – (2252) - Review a request and documentation from Summit Medical Center, Nashville, TN, for a variance to Boiler Attendant Rule, Paragraph 0800-3-3-.04(22). Mr. Ted Jones, Summit Medical Center and Mr. Blake Neville, Neville Engineering was on hand to make presentation to the Board. The Board reviewed documentation and listened to the presentation. Mr. Morelock made a motion to approve with Dr. Canonico seconding the motion. The vote was taken and carried with Chairman Lunn abstaining.

Item 05-29 – (2458) - Review a request and documentation from University of Tennessee-Memphis, Memphis, TN, for a revision to their previously approved (June 1996, revised March 2003) variance to Boiler Attendant Rule, Paragraph 0800-3-3-.04(22). Mike Bilderbeck, Pickering Inc. and Edward Justus, UT Memphis was on hand to present information on variance to the Board. Mr. Morelock made a motion to approve variance and it was seconded by Mr. Hiter. The vote was taken and carried with Chairman Lunn abstaining.

Item 05-30 – (2696) - Mr. Mike Davidson, Eastman Chemical Company, Kingsport, TN will present an annual report of their accepted Evidence-Based Inspection (EBI) program to the Board. Mr. Mike Davidson, Eastman Chemical Company reported that in the last month management had moved its Inspection Section where it reports to the Maintenance Department instead of the Engineering Department. The Board and Chief Toth informed Mr. Davidson that the Board would like for him to relate to the Company that they prefer to see direct reporting to management by the Inspection Department. A motion was made by Dr. Canonico for approval of an extension of the EBI program until the March 8, 2006 meeting. At the next meeting Mr. Davidson will let the Board know of Eastman's decision. The motion was seconded by Mr. Vance. The vote was taken and carried with Mr. Morelock abstaining.

Item 05-31 – (3297) - Mr. Tom Stewart, Eastman Chemical Company, Kingsport, TN is requesting the Board to allow twenty-one (21) Crude and Slope Heat Exchangers, presently located and operating in building 102B Tennessee Operations, to be exempt from inspection and registration requirements of Rule 0800-3-3. These vessels were constructed during the years of 1948-1966, they are not ASME constructed vessels, and are considered water service vessels not pressure vessels. The Company presented its request but after discussion the Board decided that no action should be taken. Chief Toth said he would put together a formal Board Interpretation using this item and will bring it back to the Board at a later date. By doing this Chief Toth feels that should this type of situation arise again in the future then the Interpretation could be referenced.

Item 05-35 – (2201) - Review application and documentation from Plaas, Inc., Red Wing, Minnesota, for a license to engage in repairs and alterations on boilers and pressure vessels in Tennessee. Chief Toth informed the Board that there were some concerns surrounding this late entry. Chief Toth recommended that this item be postponed until they could look further into those concerns. Dr. Canonico made a motion to postpone which was seconded by Mr. Morelock. The vote was taken and the motion carried.

IX. RULE CASES AND INTERPRETATIONS

Item 05-32 – (80) -Eastman Chemical Company, Kingsport, TN has submitted Rule Case request BC05-32 concerning missing manufacturer’s data plates on unfired pressure vessels that have previously been inspected and registered in the State of Tennessee. Chief Toth read BC05-22 which is intended to cover vessels where the manufacturers have gone out of business since this is something that has been brought to the Board more than once. Mr. Vance made a motion to accept BC05-32 as written. The motion was seconded by Mr. Hiter and the vote was taken and carried with Mr. Morelock abstaining.

Item 05-33 – (413) -Staff has submitted Rule Interpretation BI05-33 requesting the Board to give an interpretation on safety valves pertaining to pressure and leak testing of boilers and pressure vessels during in-service and repair/alteration inspections. Mr. Morelock made a motion that BI05-33 be accepted as written, seconded by Mr. Vance. After the vote was taken the motion was carried.

Item 05-34 – (456) - Young Technical Services Group, Memphis, TN has submitted Rule Interpretation BI05-34 requesting the Board to give an interpretation on the categorizing the inspection frequency of Unfired Steam Boilers. Dr. Johnson made a motion to accept as written which was seconded by Mr. Hiter. The vote was taken and the motion carried.

X. THERE ARE TWO (2) APPLICATIONS SITTING FOR THE NATIONAL BOARD COMMISSION EXAMINATION.

XI. THE NEXT BOILER BOARD MEETING IS SCHEDULED FOR MARCH 8, 2006 IN NASHVILLE, TENNESSEE.

XII. ADJOURNMENT.