

SUMMARY OF MINUTES

Quarterly Meeting of the State of Tennessee Board of Boiler Rules
December 13, 2023 - 9:00 a.m.

I. Chairman Morelock called the meeting to order at 9:00 a.m.

II. Board Members present: Brian Morelock (Chairman), David Baughman, Richard Scott May

Department Staff present: Dewayne Scott, Tom Herrod, Kenneth Nealy, Dan Bailey, Justin Miller, Melissa Owens, James Steele, Chance Deason, Mia-Lyn Wiley, Matthew Grove, Tia Xixis and Michelle Rosemore.

Guests were: Marty Toth, Riley Collins, Billie Cutillo, Lewis Ethridge, James Anderson, Alex Barrera-Perez, Pratik Gundhi, Jimmy Watson, Brittany Davis, Chris Hays

III. INTRODUCTIONS AND ANNOUNCEMENTS: Chairman Morelock announced his retirement at the end of 2023.

Mr. Herrod introduced Mia-Lyn Wiley as the new Board Secretary; Justin Miller as the new Chief Inspector, and Dan Bailey's retirement on Friday.

IV. ADOPTION OF THE AGENDA - Mr. Baughman made a motion to adopt the Agenda. Mr. May seconded the motion. After voting, the Agenda was adopted.

V. APPROVAL OF THE MINUTES of the Meeting of September 13, 2023 - Mr. Baughman made a motion to approve the Minutes. Mr. May seconded the motion. After voting, the Minutes were approved.

APPROVAL OF THE TRANSCRIPT of the Meeting of September 13, 2023 - Mr. Baughman made a motion to approve the Transcript. Mr. May seconded the motion. After voting, the Transcript of Proceedings was approved

VI. CHIEF BOILER INSPECTOR'S REPORT - (attached) – presented by Justin Miller

VII. VARIANCE REPORT - (attached) - presented by Justin Miller

Mr. Toth discussed the Mersen and Hankook failed inspections were due to miscommunication and no announcement of inspection.

Mr. Herrod and Mr. Baughman discussed the protocol for conducting inspections being a notification from the company that it's ready.

Chairman Morelock discussed the time frame for inspections following tentative approval of variances.

Mr. Herrod discussed the renewal requirement after three years.

Mr. Toth proposed guidance from the Board as to how to proceed with new application's expiration dates.

Mr. Baughman proposed that as a discussion item for the next meeting.

VIII. OLD BUSINESS:

- **Meharry Medical College** - Mr. Lewis Ethridge is seeking a variance for four steam boilers; two in the science building and two in the hospital. He discussed the safety and security of the campus and the 24/7 boiler station alarm monitoring in detail.

Mr. Baughman discussed his conflict, and Mr. Bailey reminded him he wouldn't be able to vote on the request by Meharry but could answer questions of Board members.

Chairman Morelock and Mr. May asked about the E-stop location and location of the boilers. They also discussed the organizational chart. Access to the boiler monitoring software was also discussed. Mr. Morelock suggested bright-colored tabs for the emergency plan.

Mr. May made a motion to approve the variance. Chairman Morelock seconded it contingent on a successful site visit from the Boiler Unit. After voting, the motion carried.

IX. NEW BUSINESS:

- **UB Frozen US, LLC** - Mr. Toth presented a variance request for UB Frozen, formerly Weston Foods, for preexisting equipment; two high-pressure water tube boilers.

Mr. Toth informed the Board that after running a bank of tests at a site visit, he was comfortable with the boiler attendant and remote attendant training and the procedures currently in place.

Mr. May asked about distance from the remote stops.

Mr. Toth explained the situation with the E-stop in the boiler room.

Mr. Baughman asked about a change in personnel and positions with the company transition.

Mr. Toth acknowledged the title changes but said they were promotions from within the company.

Mr. Baughman commented that the manual is almost identical to the previous one but suggested a highlighted section with a tab for emergency procedures.

Mr. May made a motion to approve the variance contingent on a site visit from the Boiler Unit. Mr. Baughman seconded the motion. After voting, the motion carried.

- **Nuclear Fuel Services** - Mr. Toth is requesting approval of the Board to deactivate and remove the remote station at Guard Station 5 after implementing remote attendant responsibility at a newly constructed operations center. He discussed the schedule for training the new remote attendant and boiler attendants in January for their two high-pressure boilers.

Mr. Baughman asked about distance added with the new operations center.

Mr. Toth answered that local power is used for the remote panel with relays inside.

Mr. Baughman asked about the DA data sheet showing a Tennessee number of TBD.

Mr. Toth assured that he would readdress that with the company.

Mr. Baughman made a motion to approve the variance contingent upon site visit inspection. Mr. May seconded the motion. After voting, the motion carried.

- **Ultium Cells** - Mr. Toth, accompanied by Mr. Anderson, presented a submission package conforming with the stipulations of BC 23-01 that there be a written procedure outlining the procedures that ensure vessels are continuously preventing and protecting against overpressure of the vessel. He pointed out that revisions to the document will be made.

He submitted another installation permit and documentation outlining the requirements for the operation of the units with stop valves in the relief path. He mentioned they are 929 relief valves specifically designed to be used in thermal fluid operations.

He pointed out that the MDRs had been revised to include the necessary information regarding manufacturers and heater capacity and valves.

He asked the Board for approval of the eight units and mentioned the Boisco training that will cover procedures for opening and closing of the valves.

Mr. Baughman discussed Board Case 23-01 not being published.

Mr. Herrod asked for time to edit and publish BC 23-01 before the next meeting.

Mr. Baughman pointed out that an MDR for each vessel is required, as they are not all identical, and the relief valves are not all the same.

Chairman Morelock asked about the installation schedule and Mr. Anderson explained the current situation with two of the eight being inspected.

Chairman Morelock proposed approval contingent on all documentation and installation completed, followed by a site visit.

Mr. Baughman and Mr. Anderson discussed the process of flushing and draining the two boilers to add the isolation valves back in.

Mr. Baughman discussed training of the inspectors and the need for additional training on

thermal fluid systems and BC 23-01.

Mr. Toth discussed the two units that passed inspection will have to have isolation valves reinstalled following approval. He also discussed that submittal of second permits would have appropriate MDRs which would be provided to the inspector at final inspection.

Mr. Baughman reiterated that the requirement under BC 23-01 for installation permits has not been followed, as the field inspector did not have access to the MDRs.

Mr. Toth discussed approval of the eight units under BC 23-01 would be contingent on final inspection. He agreed that more information regarding capacity allowances of relief valves and back flow restrictions should be provided to the inspector.

Mr. Baughman and Mr. Toth agreed that additional oversight by individuals with more knowledge was needed on thermal fluid inspections when the inspector doesn't have specific knowledge of the heaters.

BC 23-01 was displayed on the screen and Mr. Baughman read from the section regarding pressure relief valves and mentioned that Ultium Cells is not operating their boiler when the heater is being addressed. He mentioned his concern with a half-inch valve conventional port restriction.

Mr. Toth discussed the history of the committee that created the installation permit application for owner/installers and the guidelines including the documents that could be required by state and federal agencies at the time of permit.

Mr. Baughman agreed to discuss further in the future.

Mr. Toth asked for a motion to approve the request for installation of the 8 thermal fluid heaters at Ultium Cells, contingent on reapplications of each with the supplemental documentation including MDR data on the isolation valves and subject to inspection by the Boiler Unit. And also contingent upon additional state and federal permit documentation.

Mr. Morelock acknowledged the motion. Mr. May seconded it. After voting, the motion carried.

X. THE NEXT MEETING OF THE BOARD OF BOILER RULES IS SCHEDULED FOR MARCH 13, 2024.

XI. The meeting adjourned at 1:03 p.m.