FOR THE CASE OF
Department of Labor & Workforce Development

TRANSCRIPT OF
3RD Quarter Board of Boiler Rules Meeting
September 9, 2015

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1. **STATE OF TENNESSEE**  
   DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT  
   BOARD OF BOILER RULES  

2. QUARTERLY MEETING OF THE  
   STATE OF TENNESSEE  
   BOARD OF BOILER RULES  
   September 9, 2015  

3. APPEARANCES:  
   1. Brian R. Morelock, Chairman  
      Owner-User Representative  
   2. Eugene Robinson, Board Member  
      Insurance Representative  
   3. David W. Baughman, Board Member  
      Owner/User Representative  
   4. Dr. Glen E. Johnson, Ph.D., P.E., Board Member  
      Mechanical Engineer Representative  
   5. Sam Chapman, Chief Boiler Inspector  
   7. Administror, State of Tennessee  
   8. Mark Finks  
   9. Assistant Administrator-WRC, State of Tennessee  
   10. Dan Bailey, Esq.  
   11. Legal Counsel, State of Tennessee  
   12. Carlene Bennett  
   13. Board Secretary, State of Tennessee  

4. **AGENDA**  
   I. Call to Order  
   II. Introductions and Announcements  
   III. Adoption of the Agenda  
   IV. Chief's Report  
   V. Old Business (none)  
   VI. New Business (none)  
   VII. Open Discussion Items  
   1. Reorganization of Rule 0800-03-03  
   2. 2016 TN Board Re-appointments for:  
      * Brian Morelock - 6/30/16 expiration date  
      * Dr. Domenic Canonico - 6/30/16 expiration date  
      * Dr. Glen Johnson - 6/30/16 expiration date  
      * Recommendations for Vacant Position of Representative of the Boilermakers or Practical Steam Operating Engineers. The Department and the Governor's Office requests that the board provide at least three (3) candidates to fill vacant board positions. Ed Vance recommended Robert (Bobby) Lunsford, Jr. and this has been sent to the Boiler Unit. Two more candidates are needed for consideration.  
   3. Fall Conference Update  
   4. Boiler Operator Training and Certification Program  
   5. Status of Search for new Chief Inspector for Tennessee  
   6. 2016 TN Board Meeting Dates-Will the TN Board officially move meetings to the 2nd Wednesday of each quarter?  
   VII. Rule cases & interpretations - There are no rule cases and interpretations.  
   VIII. The next Board of Boiler Rules Meeting is scheduled for 9:00 a.m. (CT), Wednesday, December 9, 2015, at the Department of Labor & Workforce Development office building located at 220 French Landing Drive, Nashville, TN.  
   IX. Adjournment
1. **CHAIRMAN MORELOCK:** Good morning and welcome to the Tennessee Board of Boiler Rules meeting. We certainly want to welcome everybody.

2. And we do want to thank the boiler unit for the refreshments at the back of the room, and we do have agendas if you want to follow along.

3. And as far as introduction and announcements, I'll do a quick safety item. If any event occurs, natural or emergency, if we have an event like that today, just bear in mind that we have security officers in the building that can lead us to a safe location or lead us out to the Rosa Parks side of the building if need be, and so just to make you aware of where the exits are.

4. And so that's my safety item.

5. Are there any other announcements before we move to adopt the agenda?

6. (No verbal response.)

7. **CHAIRMAN MORELOCK:** All right. You do have the agenda before you, and I do have one correction and that is Item 10. Our next meeting will be Wednesday, December the 16th, not December the 9th. That's what the board members voted on earlier this year.

8. And we do have an agenda item to talk about, the 2016 meeting dates, which we will get to later on in the agenda.

9. I would like to add an agenda item as well, and just to have a brief report on the training that we participated in a couple of weeks ago here in Nashville. So I would like to add that to the agenda. It's really not a business item, so I'll just add it to the Open Discussion items.

10. Are there any other additions or corrections?

11. (No verbal response.)

12. **MS. JEFFERSON:** I'm sorry, I just wanted to say on Number 4 it should be Chief's Report.

13. **CHAIRMAN MORELOCK:** Yes.

14. **MS. JEFFERSON:** And, also, we'll need to change Mr. Chapman's placard at some point.

15. **CHAIRMAN MORELOCK:** That is correct.

16. **MS. BENNETT:** I was going to let him announce it first. I didn't want to spoil it.

17. **CHAIRMAN MORELOCK:** So we will let him announce that here in a minute.

18. **MR. CHAPMAN:** Thank you, Chairman.

19. **CHAIRMAN MORELOCK:** Congratulations.

20. (Applause.)

21. And this is covering the period from April through June 2015.

22. And as everybody said, the State of Tennessee, now has a chief boiler inspector, which is myself.

23. **CHAIRMAN MORELOCK:** All right.

24. **MR. ROBINSON:** Congratulations.

25. (Applause.)

26. **MR. CHAPMAN:** And that is the chief's report.

27. **CHAIRMAN MORELOCK:** Any questions for our new chief inspector?

28. (No verbal response.)

29. **CHAIRMAN MORELOCK:** Well, they're
And just for clarity, we are using the 11/10/2014 draft of the rules, and we are working from the review comments based upon that draft. So with all that said, just so the visitors understand, you're welcome to participate in the conversation. If you do want to participate in the conversation, since we are capturing everything, we want you to come forward and be able to speak so that the court reporter will be able to capture your comments as well. So that's what we've got the table set up here for. Come forward, introduce yourself, and make sure that you get your comments captured as well. So to address Mr. Robinson's comments concerning instantaneous hot-water heaters, I have received an email that I'll let Mr. Robinson speak to concerning that.

MR. ROBINSON: The instantaneous hot-water heater has been around for a long period of time. And it was addressed by one of Chief Chapman's predecessors Marty Toth. And he had pointed out, in a memo, that instantaneous water heaters over 100,000 BTUs had to be registered with the State of Tennessee. Upon that, he published that note, but it was never documented.
1. can at least publish it on the state website to
2. accept public review comments that would be
3. addressed at the December meeting. That's kind of
4. our proposed plan. We've not voted that,
5. obviously, yet. But that's kind of where we're
6. heading with this.
7. On page 17, it discusses the
8. Examination for Certificate of Competency. And
9. basically, that's just a nice way of saying your
10. commission, your national board commission and
11. your state commission. And one of the comments
12. that we had was we make statements in there that
13. the applicant shall have education and experience
14. equal to at least one of the following, one being,
15. "A degree from an accredited school in mechanical
16. engineering plus one year of experience in design,
17. construction, operation, or inspection of high-
18. pressure boilers and pressure vessels."
19. Two would be, "A degree from an
20. accredited school in a branch of engineering other
21. than mechanical engineering or an associate degree
22. in mechanical technology, plus two years of
23. experience."
24. Three would be, "A high school
25. education, or the equivalent, plus four years of

1. experience" under these three options, being in
2. high-pressure boiler and pressure vessel
3. construction or repair, or as an operating
4. engineer in charge of high-pressure boiler
5. operation, or as an inspector of high-pressure
6. boilers and pressure boiler operation."
7. We had a comment, "Does that match
8. what's in the NBIC?" So I did some searching. I
9. searched NB-369 and I researched several NBIC
10. documents. And those documents, certainly, with
11. the latest edition of the requirements for
12. commission inspectors, this certainly does mirror
13. what's in there, what the NBIC has has got more
14. detail to it. So, again, I think we could just
15. reference those documents in the rules so that if
16. someone has a question, they can go out and
17. actually read those documents to see what all
18. those requirements are.
19. But I think these requirements
20. certainly support what's in the National Board
21. documents. So is there any questions, concerns,
22. or comments about the education requirements?
23. Everybody good with that?
24. (No verbal response.)
25. CHAIRMAN MORELOCK: So we will add

1. those references and I'll make note of that, to
2. add the NBIC references or National Board
3. references.
4. Moving on, our next comments covers
5. several pages but it actually begins on page 23
6. and extends through --
7. MR. JOHNSON: I just have one
8. question.
9. CHAIRMAN MORELOCK: Okay.
10. MR. JOHNSON: Maybe you addressed
11. this -- oh, I see how it's taken care of. In the
12. high school case, I saw that in the box it said
13. experience, but then below it gives specific
14. experience.
15. CHAIRMAN MORELOCK: Yes. Okay.
16. Are you okay with that?
17. MR. JOHNSON: Yes. I just thought
18. that since we had been clear on what type of thing
19. constituted acceptable experience on the others
20. that we should do it here as well. And it appears
21. that we've done a better job here. So I'm
22. certainly happy.
23. CHAIRMAN MORELOCK: Yes. Okay.
25. The Rule 0800-03-03, for as long as I
1. can remember has included a very simple equation
2. for calculation of maximum allowable working
3. pressure for nonstandard pressure vessels,
4. nonstandard boilers, and historic boilers. And
5. the equation is listed. The nomenclature is
6. defined, and it also gives a table of allowable
7. design margin or safety factor. And Dr. Canonico
8. had some questions about that.
9. And so to answer that, let me gather
10. my notes here so that I can speak to those.
11. Dr. Canonico had recommended for nonstandard
12. boilers and nonstandard pressure vessels that we
13. move away from the simple equation that we have
14. and that we should actually reference an
15. applicable cylindrical shell calculation either
16. from Section I or Section VIII, Division I,
17. whether it be for a boiler or for a pressure
18. vessel.
19. And so in doing so, on page 23, under
20. Item 3, Maximum Allowable Working Pressure for
21. Nonstandard Boilers, the equation would be struck
22. out, the nomenclature would be struck out, and
23. then subparagraph (a) would read, “The maximum
24. allowable working pressure of a nonstandard boiler
25. shall be determined in accordance with ASME

1. Section I, PG-27.”
2. And so what that does is that would
3. require someone with a nonstandard boiler to go to
4. the ASME code and use the ASME code equation to
5. calculate that MAWP, which is the acronym for
6. maximum allowable working pressure.
7. MR. ROBINSON: Mr. Chairman, that
8. would apply also to pressure vessels under
9. Section VIII?
10. CHAIRMAN MORELOCK: It would. And
11. the reference for that would be Section VIII,
12. Division I, UG-27. And so that shows up on
13. page -- think it’s -- well, I’ll just flip to it.
14. That will show up on page --
15. MR. ROBINSON: I saw it. It’s in
16. there.
17. CHAIRMAN MORELOCK: -- 33. And so
18. that would be the same case for a nonstandard
19. pressure vessel as well.
20. MR. ROBINSON: Mr. Chairman, just
21. asking the question that’s out there, if it’s
22. nonstandard, chances are something did not meet
23. the requirements of other sections of ASME, such
24. as, for example, Section II, which would make it
25. impossible to meet the criteria for doing a

1. calculation.
2. CHAIRMAN MORELOCK: Well, and
3. that's why I want to have the discussion, because
4. that is the obvious point. It's nonstandard,
5. which means if it was standard, it would meet ASME
6. code. However, the counter-argument to that would
7. be when you look up our definition for a State
8. Special, which is a boiler or a pressure vessel
9. that was not built to ASME code.
10. What we typically require to get a
11. State Special approved is that it’s evaluated per
12. the ASME code so that the code used to designed
13. that boiler or pressure vessel meets or exceeds
14. ASME code anyway, correct?
15. MR. ROBINSON: I agree. So in
16. other words, objectively, if we -- I just don't
17. want to tell someone that they can use a number
18. for allowable stress that hasn’t been evaluated by
19. the board.
20. CHAIRMAN MORELOCK: I agree. I
21. agree. So if you use an allowable stress value
22. from the code, we would be comfortable with that.
23. MR. ROBINSON: Exactly. But the
24. only way to assure that that happens is that the
25. request is made for a State Special.

1. CHAIRMAN MORELOCK: Well --
2. MR. ROBINSON: -- or a variance.
3. CHAIRMAN MORELOCK: Well, the other
4. piece of that discussion, though, would be if it’s
5. a pressure vessel built prior to July 1, 1955,
6. it's grandfathered.
7. MR. ROBINSON: Absolutely.
8. CHAIRMAN MORELOCK: Or if it's a
9. boiler that was built before July 1, 1949, that
10. would be grandfathered as well.
11. MR. ROBINSON: Agreed.
12. CHAIRMAN MORELOCK: So it’s not
13. just the State Special. It's the grandfathered
14. vessels as well.
15. MR. ROBINSON: Okay.
16. CHAIRMAN MORELOCK: Would you agree
17. with that --
18. MR. ROBINSON: I would concede with
19. that.
20. CHAIRMAN MORELOCK: -- Chief
21. Chapman?
22. MR. CHAPMAN: Yes, I would.
23. CHAIRMAN MORELOCK: So what we need
24. to walk away here with is the thing I like about
25. the equation that’s in the rules today is that the
1. user who's evaluating that nonstandard boiler or
2. that nonstandard pressure vessel can use the rules
3. because it lists factor of safety. It actually
4. lists some allowable stresses that you are bound
5. to use. And if we change to the code rules, I'm
6. not opposed to that, but it's going to force the
7. user to have to find a copy of the ASME code,
8. whether it be Section I for a boiler or
9. Section VIII for pressure vessels, and as Eugene
10. has so noted, they would also have to have a copy
11. of Section II to obtain those allowable stresses.
12. And that's why I want to have the
13. discussion today, to see what is preferred.
14. Because it's Dr. Canonico's comment and I've sent
15. him my comments just so he would have them, as I
16. did all the board members, so we would be ready to
17. have this discussion today but --
18. MR. ROBINSON: I'm willing to
19. acknowledge agreement with the formula, but I take
20. exception to how they would achieve those stress
21. factors based on material not shown in the
22. approving sections.
23. CHAIRMAN MORELOCK: Okay.
24. MR. ROBINSON: If I could somehow
25. have a mechanism to at least assure that the

1. materials selected or used either would meet or
2. exceed those formula numbers.
3. CHAIRMAN MORELOCK: Well, and what
4. we have -- for the sake of conversation, what we
5. have published in the rules today are very, very
6. conservative yield strength values. For example,
7. carbon steel, a 516-70 carbon steel has a yield of
8. 70,000 psi.
9. What we list -- if you're going to do
10. a carbon steel material in the rules today, you're
11. limited to 55,000, so your -- not only do you
12. apply a factor of safety of 5, you're also taking
13. a big hit on the maximum level of yield stress you
14. can use. So you're actually doubling up on the
15. design margin.
16. And so when you compare that to the
17. current code -- which ASME Section VIII, Division
18. 1 is 3.5, boilers are still 3.5 to 4 -- what's in
19. the rules is still conservative.
21. CHAIRMAN MORELOCK: And so that's
22. what we need to come to grips with, is we don't
23. want to put a user in the state of Tennessee under
24. an unreasonable circumstance to have to go seek
25. out code books. But at the same time, I think the

1. board would agree and understand, as would the
2. boiler unit, that if somebody has got a
3. nonstandard pressure vessel or a boiler in a
4. surplus lot or in a vacant building or wherever it
5. may be, and now they want to put this pressure
6. retaining item back into service, I think you're
7. going to want someone with credentials to not only
8. inspect it and test it with thickness readings and
9. pressure tests and all that, but you would
10. probably want to go to someone to be able to
11. provide a calculation showing that the vessel is
12. safe. So from that perspective, I'm okay with
13. imposing the ASME requirements for what we just
14. discussed, because if it's a State Special, we're
15. going to impose it anyway.
16. MR. ROBINSON: Absolutely.
17. CHAIRMAN MORELOCK: And that is a
18. recognized and accepted engineering practice, you
19. know, nationally. So what do y'all think? I
20. mean, I'm just -- what's your preference?
21. MR. BAUGHMAN: If a boiler has been
22. out of commission but has been commissioned
23. previously or has come in and not been
24. commissioned in the state, when does that apply to
25. start doing those calculations? In other words,

1. if a boiler has been laid up and out of service
2. for "X" amount of time, do we have a criteria on
3. when that formula gets applied?
4. CHAIRMAN MORELOCK: Well, I mean,
5. if it's exceeded the inspection requirements for
6. the State of Tennessee, which for a boiler would
7. be if it's not -- if it's been laid up for more
8. than a year with no inspection report, then it's
9. going to have to be inspected, correct?
10. MR. CHAPMAN: That's right.
11. MR. BAUGHMAN: Oh, yeah. Well, and
12. I just didn't know if it had to go through the
13. calcs, is what I was getting at.
14. MR. JOHNSON: In the past, when
15. this subject has come up, what I recall is that
16. it's primarily been these historical boilers where
17. people are doing little steam engines and things
18. like that at the farm shows and on model railroads
19. and stuff like that. And for those kinds of
20. applications, I like having the bigger safety
21. factor.
22. CHAIRMAN MORELOCK: Well, and it's
23. funny you say that because if you go to page 37,
24. it specifically speaks to the historic boilers,
25. and they -- Dr. Canonico has just said let's leave
1. the equation that we have today. Leave the table.
2. Leave everything. So for that particular example,
3. we're going to stay with what we've got.
4. MR. JOHNSON: Well, that's where
5. I've seen this calculation used. Are there cases
6. that we can point to where in Tennessee Specials
7. or things that weren't standard that had to get a
8. variance or where this other approach has been
9. used?
10. CHAIRMAN MORELOCK: Well, I mean,
11. with our State Specials, we always go back to the
12. code.
13. MR. JOHNSON: Right. That's what
14. I --
15. CHAIRMAN MORELOCK: And then I
16. think we've had --
17. MR. JOHNSON: So I'm just having
18. trouble coming to grips of when this would come
19. into play except with those historical --
20. CHAIRMAN MORELOCK: Well, an
21. example from Eastman would be, you know, the
22. Kingsport site has been around for almost a
23. hundred years.
24. MR. JOHNSON: I remember.
25. CHAIRMAN MORELOCK: And so we may

1. have pressure vessels in a surplus lay-down yard
2. or something that we've preserved and now we want
3. to put it back into service. And so what we do at
4. Eastman is what we're proposing here, is that the
5. vessel is inspected, UT thickness readings,
6. x-rays. You know, nonrestrictive examination
7. would be PT, whatever is done. Then it's sent
8. over to the group that I work in to basically
9. build a model of that vessel and compress, do a
10. full ASME analysis of it to calculate them, and
11. thicknesses, and all of that to make sure that the
12. vessel is safe before we put it back into
13. operation.
14. But we realize that not everybody is
15. going to be able to do that. So what is
16. reasonable, you know, for a small facility in
17. Tennessee, that -- well, let's say somebody buys a
18. business and they've got some surplus pressure
19. vessels back there and they would like to put them
20. back into service.
21. MR. JOHNSON: Certainly we
22. shouldn't be providing a path by which someone
23. could put something that wasn't safe on line. And
24. so the rules that apply to establishing safety for
25. something that is on the normal path shouldn't be
boiler.

MR. HOLT: Okay. I got you.

CHAIRMAN MORELOCK: Because if it
was something built under the requirements of the
current Tennessee rule and law and it doesn't have
an ASME mark on it, it has to be a State Special.

MR. HOLT: Right.

CHAIRMAN MORELOCK: So yeah, this
is old equipment. And that's why you see tables
for riveted joint efficiencies and things like
that in our rules. It's because it's very old
equipment.

MR. ROBINSON: And I'm going to
just add this, Mr. Chairman. I did overlook it.
I didn't see it. Tensile strength, when the
strength of steel or wrought iron shell plate is
not known, it should be taken, and it gives you a
standard calculation number that you can plug into
that formula to complete that computation, which
is where I wanted to -- I wanted to have that in
there so I would know where we were headed. So go
ahead.

CHAIRMAN MORELOCK: Okay. So I
guess what I'm hearing is that we're in agreement
that it would be good for the nonstandard boilers
for historic boilers, we will leave that intact.

For historic boilers, we will leave that intact.

We discussed that at the June meeting. And I
discussed the altitude gauges and thermometers.

CHAIRMAN MORELOCK: We've already
discussed the altitude gauges and thermometers.

We discussed that at the June meeting. And I
think on page 37, where we do have the nonstandard
historic boiler list, I think -- when we put this
draft, together, I'll make sure that we leave
these joint efficiencies for riveted joints and

1. and the nonstandard pressure vessels to use the
2. ASME equations. And then for the historical
3. boilers, we'll leave the original equation that's
4. still in there. Is that what I'm hearing?
5. Everybody in agreement with that?
6. MR. ROBINSON: Yes.
7. CHAIRMAN MORELOCK: Okay.
8. MR. BAUGHMAN: And this is just
9. strictly for those three categories. This
10. isn't --
11. CHAIRMAN MORELOCK: Yes.
12. MR. BAUGHMAN: -- covering any
13. other types of used vessels.
14. CHAIRMAN MORELOCK: No.
15. MR. BAUGHMAN: Okay.
16. CHAIRMAN MORELOCK: It's just for
17. these categories.
18. Now, the only thing I wanted to point
19. out, too, is when you look at -- I did put some
20. math equations in the agenda, so don't pass out or
21. anything. But I did take the Section I equation
22. for a cylindrical shell and I did take the
23. Section VIII, Division I equation for a
cylindrical shell. For a Section I, that would be
like a steam drum or something like that, and for

1. a Section VIII, Division I, that would be the
2. shell of a pressure vessel. And the equations
3. initially, they look different, because the
4. Section I equation has a constant in there -- or a
5. available in there called "Y." And that's a
6. temperature correction constant. It takes you to
7. a table. And when you look at that table for all
8. the materials of construction and for most of the
9. temperature ranges, that "Y" factor is going to be
10. 0.4. And if you plug that into the Section I
11. equation and then run that calculation out, you're
12. going to see that that equation then matches the
13. Section VIII, Division I equation for most
14. materials.
15. So those equations are basically the
16. same. So it's not like you're doing something
17. different from Section I than you are for a
18. Section VIII, Division I. So I just put that in
19. there for information so that we would understand
20. that. There are some high-temperature boiler
21. applications and certain materials that that
22. factor would change a little bit, but you're going
23. to pretty much get the same answer for MAWP. So I
24. just put that in there for information, so that
25. people wouldn't say, "Well, these are two

1. different equations," and they're really not.
2. Okay. Any other comments about -- so
3. what we'll do in the draft that we'll publish,
4. we're going to reference the code for nonstandard
5. boilers and nonstandard pressure vessels, and
6. we'll take out the equation that we see today.
7. For historic boilers, we will leave that intact.
8. And all that is per Dr. Canonico's comment. And
9. so I'm basically agreeing with his comment. And I
10. think we are agreeing with his comment. All
11. right.
12. MR. ROBINSON: Do you want us to
13. vote on it?
14. CHAIRMAN MORELOCK: Well, this is a
discussion item, so it's not a voted item. So
what we'll do is we'll publish this as a clean
draft, and that's what we'll end up voting.
15. MR. ROBINSON: Okay. Very well.
16. CHAIRMAN MORELOCK: We've already
17. discussed the altitude gauges and thermometers.
18. We discussed that at the June meeting. And I
19. think on page 37, where we do have the nonstandard
20. historic boiler list, I think -- when we put this
21. final draft together, I'll make sure that we leave
22. these joint efficiencies for riveted joints and
<table>
<thead>
<tr>
<th>Page 33</th>
<th>Page 35</th>
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</thead>
<tbody>
<tr>
<td>1. things, we'll just -- we'll move all that</td>
<td>1. fuel-fired boiler,&quot; since an electric, of course,</td>
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<td>2. information over to the equation in the historic</td>
<td>2. doesn't have the stack on it. But I would put</td>
</tr>
<tr>
<td>3. boiler section.</td>
<td>3. &quot;each fuel-fired boiler.&quot;</td>
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<td>4. And believe it or not, I think that</td>
<td>4. CHAIRMAN MORELOCK: Okay. All</td>
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<td>5. might -- I think we're done with the --</td>
<td>5. right. That's been noted as well.</td>
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<td>6. MR. BAUGHMAN: There's one more</td>
<td>6. MR. BAUGHMAN: Thank you.</td>
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<td>7. item within the codes that I just wanted to bring</td>
<td>7. CHAIRMAN MORELOCK: Okay. Are</td>
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<td>8. up for discussion that we run into quite a bit.</td>
<td>8. there any other comments on this 11/10/2014 draft?</td>
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<td>9. CHAIRMAN MORELOCK: Okay.</td>
<td>9. (No verbal response.)</td>
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<td>10. MR. BAUGHMAN: It's on page 21,</td>
<td>10. CHAIRMAN MORELOCK: I think we've</td>
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<td>11. Item Number 10, Flue Connection. We run into this</td>
<td>11. addressed everyone's comments, and so the next</td>
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<td>12. a lot in the field, as I've talked with a lot of</td>
<td>12. step would be to take this, clean it up, issue a</td>
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<td>13. inspectors concerning this. And it states, &quot;The</td>
<td>13. clean copy at least 45 days prior to the December</td>
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<td>14. flue connection to each gas-fired boiler&quot; -- it</td>
<td>14. meeting, and allow the boiler unit to publish it</td>
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<td>15. should be just &quot;each fuel-fired boiler&quot; -- but</td>
<td>15. to the state website to let the public know that</td>
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<tr>
<td>16. &quot;each gas-fired boiler should be equipped with a</td>
<td>16. this is a draft proposal, we'll take public review</td>
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<tr>
<td>17. vent or flue which shall terminate at any</td>
<td>17. comments, and then in the December meeting, we can</td>
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<td>18. acceptable location outside the building. The</td>
<td>18. vote this item.</td>
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<td>19. size of the vent or flue shall be recommended by</td>
<td>19. So is that agreeable, or is there</td>
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<td>20. the boiler manufacturer.&quot; Not only the size of</td>
<td>20. something else we need to do?</td>
</tr>
<tr>
<td>21. the vent or flue, but the type of the vent or</td>
<td>21. MS. JEFFERSON: Yes. I think that</td>
</tr>
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<td>22. flue.</td>
<td>22. we can do that. Dan and I were just discussing</td>
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<tr>
<td>23. What we're running into is that a</td>
<td>23. just the process that we're going to take to get</td>
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<td>24. four-strap boiler that creates a positive pressure</td>
<td>24. it done.</td>
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<tr>
<td>25. in the stack has to have a positive pressure-type</td>
<td>25. CHAIRMAN MORELOCK: Okay.</td>
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<td>1. of stack called a Type A. And what we find is a</td>
<td>1. MS. JEFFERSON: But I think that we</td>
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<td>2. lot of contractors put in Type B vent. And so</td>
<td>2. can get that done. And we'll just be in touch</td>
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<td>3. just changing the wording to where it would say,</td>
<td>3. with you, as the Chair.</td>
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<td>4. &quot;The size of the vent or flue and type of material</td>
<td>4. CHAIRMAN MORELOCK: Okay. That</td>
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<td>5. shall be that recommended by the boiler</td>
<td>5. will be fine. All right.</td>
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<td>6. manufacturer.&quot; And the boiler manufacturers have</td>
<td>6. If there are no other comments, we</td>
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<td>7. specific requirements, so that puts it upon the</td>
<td>7. will move on to the next discussion item. Our</td>
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<td>8. contractor, then, to go back to the manufacturer,</td>
<td>8. next item is Tennessee Board Reappointments. And</td>
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<td>9. get the manufacturer's requirements on the vent.</td>
<td>9. we have three that will be coming due in June of</td>
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<td>10. But as it is now, we've got a lot of vent issues</td>
<td>10. 2016, and that will be myself, Dr. Canonico, and</td>
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<td>11. out in the field, being an improperly vented</td>
<td>11. Dr. Johnson. And so we'll talk about this in our</td>
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<td>12. boiler.</td>
<td>12. report about the training.</td>
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<td>13. CHAIRMAN MORELOCK: Okay. So on</td>
<td>13. But the training we received a couple</td>
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<td>14. page 21, Item 10 for flue connection, the second</td>
<td>14. of weeks ago was very informative. This process</td>
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<td>15. sentence will be revised to say, &quot;The size of the</td>
<td>15. was discussed as well, and so we need to be</td>
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<tr>
<td>16. vent or flue and type of material shall be that</td>
<td>16. proactive in making sure that we've got our</td>
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<td>17. recommended by the boiler manufacturer.&quot;</td>
<td>17. paperwork turned in preferably six months prior to</td>
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<td>18. MR. BAUGHMAN: Yes.</td>
<td>18. the expiration date. So certainly by the end of</td>
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<td>19. CHAIRMAN MORELOCK: All right.</td>
<td>19. this year, we need to have all of the</td>
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<td>20. MR. BAUGHMAN: And also, instead of</td>
<td>20. documentation submitted for these reappointments</td>
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<td>21. &quot;each gas-fired boiler,&quot; this also pertains to</td>
<td>21. along with recommendations for -- the</td>
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<td>22. fuel-fired. It's not just gas-fired. But it's --</td>
<td>22. reappointments also have to have three, as well,</td>
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<tr>
<td>23. CHAIRMAN MORELOCK: So you want to</td>
<td>23. correct?</td>
</tr>
<tr>
<td>24. change &quot;gas&quot; to &quot;fuel&quot;?</td>
<td>24. MS. JEFFERSON: No, not the</td>
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<td>25. MR. BAUGHMAN: Well, I'd put &quot;each</td>
<td>25. reappointments. Only the new, the vacant.</td>
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CHAIRMAN MORELOCK: Only the new, okay. So reappointments, we just need to get our paperwork in by the end of the year to the governor's office so that they can be putting that together. And so that's the three that we have for that.

Any questions or comments about those reappointments?

(No verbal response.)

CHAIRMAN MORELOCK: Okay. Our next item is Recommendations for Vacant Position that we have on the board for the Representative of the Tennessee Department of Labor to get those names.

When Mr. Vance retired and resigned from the board, he did provide the board with a recommendation of Mr. Robert Lunsford, Jr. And that has been submitted through the boiler unit up through the Tennessee Department of Labor and Workforce Development. But we need two more candidates because the appointment process needs three candidates, so that needs to come from us.

And if we don't have those, then we can go and work through the boiler unit and through the Tennessee Department of Labor to get those names.

And, again, that was also a part of our training that was very beneficial to know that. So if you have names, we can get those to Kim and to get them to Sam, and we'll start getting those names processed, so...

Yes, sir?

MR. JOHNSON: Is there ever, like, a call for an applicants type of approach, or is it likely that three would be easily found? I know for some of these positions, it's difficult to find three candidates or even one candidate.

CHAIRMAN MORELOCK: Yes.

MR. JOHNSON: And so if they require three, is there some public notice that would be in the media that would be more readily seen by the public than, say, an announcement for the board meeting? Has that approach ever been used?

MS. DOWER: I'm unaware of them ever doing a public notice for that. Mainly, it's the boards or somebody within the Department that's always brought us an application, a resume for someone.

MR. JOHNSON: I know the first time that I was appointed they were struggling to find someone for the position that I hold now.

CHAIRMAN MORELOCK: Yes.

MR. JOHNSON: And I worked through my contacts to try to find people who would be willing, because it's not a treat to participate. It's a volunteer activity that you give something of yourself to do. And it was difficult to find anyone. And I finally told Martin and a fellow who was the high muckity-muck at the time -- I don't remember his name -- but I finally told them that I would be willing to be considered.

I think I was probably the only person in the whole state of Tennessee who had the requirement -- had the background that was required by this position that was actually willing to put his name in the pot. But I didn't do it at first. At first I searched high and low, looking for an alternative. So it may be hard to find three, is my point.

CHAIRMAN MORELOCK: It is. It is. And you're exactly right. Because I worked with the previous administrator and it was very difficult. And it is a volunteer position. And so when you go to a university with tight budgets anyway and say, "Oh, by the way, we want one of your professors to be able to attend these board meetings quarterly, and, by the way, there's no stipend for that. There's no -- you know, it's a volunteer position." And a lot of them are, like, "Well," you know, "we're not going to give up the labor hours to allow him or her to do that." And so you are correct.

But at the same time, I think, you know, especially -- you know, Alex and I will talk about this a little bit more, but I think the training that we had a couple of weeks ago, I think we need to help the State of Tennessee understand what all of these boards do. And I think we've seen it within this board, especially when we have companies that come before the board for a variance, for instance. They mistakenly have the mindset that we're just going to rubber-stamp something, all we're doing is just stamping "approved" on a piece of paper. So when we ask them technical questions that actually kind of take them back, they didn't realize that we actually read all that stuff and that we actually understand what they're wanting to do, and we're asking questions about public safety and ASME code requirement -- had the background that was required by this position that was actually willing to put his name in the pot. But I didn't do it at first. At first I searched high and low, looking for an alternative. So it may be hard to find three, is my point.

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CHAIRMAN MORELOCK: It is. It is.
I know some of these representatives
have come to us after the meeting and just said
that they were really impressed with the ability
that these boards have to keep people safe in the
state of Tennessee. So the governor's office and
the Tennessee Department of Labor and the boiler
unit, there's neat things coming down the pike to
publicize what these boards do to help educate
people, the importance of them and what we do.
You know, it's just not a trip to Nashville. So
that's going to help.

And so, you know, we do want people
who are willing to volunteer their time to give
back to the state and help their employers or
whoever sponsors them to realize what they're
getting in return for that. You know, it really
looks good for whoever sponsors that, whether it
be an employer or a university or whatever. It's
a feather in their cap for their willingness to
give back to the state of Tennessee in that
manner, so it's kind of on us to make that happen.

MS. JEFFERSON: And I would just
like to say that we really appreciate you-all for
what you do, because we realize that,
unfortunately, the State is unable to provide any
stipends or anything like that. So we're really
appreciative of the time that you-all provide,
especially answering the questions with your
expertise. Because if we didn't have you-all,
then we wouldn't be able to handle some of the
tough issues that come through the Department.
And as far as the finding the
qualified folks, yes, we do understand that.
Because even with some of the positions that we
have, it's been really difficult to fill those
positions. And we all saw that even with our
chief's position. So we're just happy to have a
chief here. We're happy to have a board here
where we have actually all the members of the
board. Because it's been really difficult. On
some boards we don't have all our members.
So we're really, you know, honored to
have you-all here. And so I don't want you to
think that we take that for granted. I just
wanted to speak up on that point.

And if we're unable to find a
qualified person, then that's when the governor's
office will step in. Jann and Melinda, they'll
step in and they'll let them know that we're
unable to find that person, and they'll do
whatever it is that they do in order for us to
find someone for the board.

MR. BAUGHMAN: This may be a
question for Dan. And I wanted to bring it up in
the training a couple of weeks ago. But with the
decisions that we bring to the table and that we
vote on and what have you, does the board hold any
kind of liability themselves in any of those
decisions?

MR. BAILEY: Are you talking about
individual liability?

MR. BAUGHMAN: I would be willing
to discuss any liability, individual or as a
whole.

MR. BAILEY: I think individually,
no. But, now, there is a Tennessee Claims
Commission that anybody who feels they've been
harmed by some action or omission the State can
bring a claim to the Tennessee Claims Commission
that I don't think this board would be immune from
that, as a board. But I don't think as
individuals.

And if something of that nature were
to happen, they would have to prove it's something
that this board either did or didn't do that
caused, you know, an explosion and caused injury,
and it was a State action. And I would imagine
the Attorney General's Office would defend the
board before the Claims Commission. But that's
the only type of action I could foresee possibly
coming from something that this board did or did
not do.

MR. BAUGHMAN: Well, I just
wondered that, and I appreciate you conversing
about that since we're probably one of the most
important boards that the State has as part of the
public safety, and we're probably one of the
boards that so few of people know what we really
do and the charge that we've got. But on the flip
side of that, we're integral with this process.
And I just -- I had never asked that before and it
just kind of came to my mind to bring it up.

MR. BAILEY: I understand.

MR. JOHNSON: Following along with
that, as a state employee, these issues are
important to me, too. And my sense is that if we
were to act outside of our training or if we were
to act in negligence or if we were to act in
conflict of interest, that under those
circumstances, we would probably have individual
There's a large number of hotels in Murfreesboro.

consider having the conference there in close to Nashville is Murfreesboro. So we could
Nashville area, so another growing city that's few challenges with trying to book hotels in the having it in the Nashville area. We have had a location. And we had originally talked about conference dates, of course, and a suggested host a 2016 fall conference. We need to select from the commissioner and our administrator to
We, again, did receive permission
MS. RHONE: I made a few notes, discussion item is the Fall Conference Update.
CHAIRMAN MORELOCK: Okay. The next MS. JEFFERSON: Okay. Thank you. CHAIRMAN MORELOCK: Okay. The next discussion item is the Fall Conference Update.
MS. RHONE: I made a few notes, items to discuss now or in the near future regarding the conference.
We, again, did receive permission from the commissioner and our administrator to host a 2016 fall conference. We need to select conference dates, of course, and a suggested location. And we had originally talked about having it in the Nashville area. We have had a few challenges with trying to book hotels in the Nashville area, so another growing city that's close to Nashville is Murfreesboro. So we could consider having the conference there in Murfreesboro.
There's a large number of hotels in Murfreesboro that could accommodate us. I've got some suggestions. We also have just been made aware of that there's a Fleming Training Center that's in Murfreesboro that is very nice, as well. So that would be another option that we could -- we talked with a gentleman there and they're very open and receptive to hosting conferences there. They have an auditorium that actually will seat 500 people. So, of course, it would be large enough, as well as even, like, the Embassy Suites Hilton that has a nice meeting area and everything, too. So that would be a suggestion. And we have not contacted any of the hotels, but of course we would look for State rates.
And as well as with the conference, we need to discuss funding, how or what entity will be actually handling the funding. We need to form a conference committee to suggest how much the registration will be, and we probably need to do research, as far as what we want to include in the registration, if we want -- like, in the past, we've included with the registration a banquet, we've include the cost of a shirt, things of that nature. So with that fee, we want to make sure that we cover that as well.

We need to discuss how we're going to market, if we're going to be sending out fliers, where we can include fliers in our mailings of invoices and certificates. We could also post on our website. Our board members, they can put out materials at their locations.
We need to have the discussion about cosponsors, sponsors. And in the past, we've had sponsor boards. And I just brought a copy. When we had our cosponsors before, we had a board like this (indicating). And if we want to have, you know, multiple companies sponsoring one event, we could do something like this. Or if we wanted to have just one, we could do something as well.
We definitely want to talk about the presenters. We want to make sure that we get national and state representatives. We want to contact all of our 13 insurance companies, making certain that they not only send their managers, but, you know, we would like the actual special inspectors to attend as well.
We're needing -- in the past, too, we were fortunate enough to get sponsors to donate bags, and we could see if we could solicit things to go inside the bags. When we form this
CHAIRMAN MORELOCK: That's a very good report.

MR. ROBINSON: Very good. Very nice.

MR. BAUGHMAN: Will this be opened up -- and I take it that it will -- but this is also looking over, inviting not only specific companies and the inspectors, but this is looking to be opened up across the board?

MR. JOHNSON: The other thing I remember, you-all did a wonderful job. They were very nice. But I remember -- something in the back of my mind is poking me about this issue with the sponsors, because it seemed like we got into a situation where someone thought that by having sponsors that that potentially created a conflict of interest because the sponsors were providing a service and the sponsors were also coming to us for approvals of things. And so that's something that probably -- I'm sure you remember this better than I do.

MS. RHONE: Right.

MR. JOHNSON: But that was just one of the things. But they were very nice conferences, very well done and you-all deserve kudos for that. And it must be about nine years or so since we did the last one, I would think.

MS. RHONE: The last one we did was here in Nashville. But yes, it's been several years since we --

MR. JOHNSON: But it definitely served a purpose. It served a need.

MS. RHONE: Exactly. And as said, a lot of the insurance company inspectors, they do require that training. And this definitely, instead of the companies having to send them to Columbus or wherever, it was -- some of that was -- it's much needed.

MR. JOHNSON: Yes.

MS. RHONE: And not to mention the networking.

We just had a big discussion last week, there's new inspectors that's actually coming into the state and we're trying to give them their area inspector's name and phone number and want them to form that bond, do that networking with one another. Because I know in the past, and especially in East and West Tennessee, once a month, the inspectors would get together and they would discuss what routes they needed to take or who was responsible for add/drop of insurance coverage and things of that nature.

MR. JOHNSON: Early on the networking opportunities were really quite good. And then as this issue of people sponsoring things came up, it became less effective. So there's balance, I guess, required.

MS. RHONE: Yes.

CHAIRMAN MORELOCK: And I would confirm with the national board, touch base with them to see, one, if they would be willing to come and be a presenter, obviously. Two would be what they present, would that count towards continuing education for the inspectors? And so since it's early in the game, let's clarify that to make sure that they're comfortable. Because we wouldn't want someone to come to the conference and then realize that that wasn't counting toward their continuing education. So I would confirm that with the National Board.

And you're exactly right,

Dr. Johnson. I mean, we had a lot of neighboring chiefs that would come and bring their inspectors as well. It's a really good thing to do. So I'm glad we're pursuing doing this. It's going to be...
1. very good. And the sooner we know about what
2. levels of sponsorship that you want to seek, you
3. know, like, the last time I remember, you know,
4. you may have a company or companies sponsor a
5. breakfast one morning, or they would sponsor
6. refreshments in the afternoon, or they would
7. sponsor --
   MS. RHONE: The reception.
8. CHAIRMAN MORELOCK: -- the bags, or
9. they would sponsor, you know, things like that.
10. So that so would be excellent. That would be very,
11. very good.
12. MR. BAUGHMAN: I would -- and you
13. may already do this, but I would poll the
14. inspectors as to what type of training they're
15. interested in, what are they needing to be fed.
16. And then the second thing, Deborah, is the
17. possibility of reinstating what was the Doug
18. Pippen memorial, back in that day.
19. MS. RHONE: Yes.
20. MR. BAUGHMAN: And that was just
21. something special, for one, to honor such a good
22. human being that we got to work with. But just
23. knowing that this is what we do, but it's not
24. what's most important in our lives. And to be
25. able to have that opportunity of passing that
26. along. So that's just my own...
   MS. RHONE: Yeah. And we also used
27. to present, like, a safety award to a company.
28. And so that's something else that we can certainly
29. talk about including as well.
30. CHAIRMAN MORELOCK: Okay. Any
31. other comments.
32. MR. ROBINSON: Your pool of
33. committee members, have you selected where you're
34. going to pool it from or any ideas of -- how are
35. you going to approach that?
36. MS. RHONE: No. What we've done
37. before is we just opened up to anyone that we know
38. wanted to participate and wanted to be a member of
39. the committee.
40. MR. ROBINSON: To the insurance
41. companies or internally or --
   MS. RHONE: Exactly.
42. MR. ROBINSON: Which --
43. MS. RHONE: Both. We had both. We
44. had representation from both. Because, again, we
45. need to discuss, as far as forming subcommittees,
46. as who is going to be responsible. So actually,
47. you know, if we have a representation, then we can
48. say, okay, you're responsible for shirts. She's
49. always done such a great job with getting the
50. shirts. Or you're responsible for contacting --
51. because I know I worked with one agency that --
52. the military, they were very excited to give us
53. their bags.
54. So, you know, it may be even so much
55. as, okay, "You're going to go out and you're going
56. to solicit items to go into the goody bags," or
57. "You'll be responsible for making certain that all
58. of the sponsors or cosponsors receive all of the
59. pertinent information," as well as, you know, we
60. need to decide that, okay, if a person is going to
61. bring their spouse and they'll probably pay for
62. the banquet dinner meal, or if they decide that
63. they want to attend the reception, there may be a
64. smaller fee. You know, just things of that
65. nature, we'll need to break down and discuss how
66. we want to handle it.
67. MR. ROBINSON: Okay.
68. CHAIRMAN MORELOCK: Okay.
69. MS. RHONE: And yes, the conference
70. committee is the beginning. Forming that
71. committee is the beginning.
72. CHAIRMAN MORELOCK: So, Deborah,

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<td>board meeting so we can have some accountability</td>
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<td>to make sure we get that done?</td>
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<td>MS. RHONE: We need to first</td>
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<td>establish a date.</td>
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<td>CHAIRMAN MORELOCK: Okay.</td>
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<td>MS. RHONE: We need to, of course,</td>
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<td>form the committee. We need to decide on the</td>
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<td>cost, and then we need to send out those letters</td>
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<td>asking for sponsorship or cosponsorship.</td>
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<td>CHAIRMAN MORELOCK: Okay.</td>
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<td>MS. RHONE: And we do have a list</td>
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<td>of the companies that we, you know, used in the</td>
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<td>past. And then a lot of the insurance companies,</td>
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<td>too. They've always been very helpful in</td>
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<td>assisting, so, you know, we can make that contact</td>
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<td>as well.</td>
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<td>MR. BAUGHMAN: You had mentioned</td>
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<td>location earlier, so that's part of that. That</td>
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<td>Julian Fleming Training Center there in</td>
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<td>Murfreesboro, I know it was backflow preventer</td>
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<td>water training, but is it a state facility itself?</td>
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<td>MS. RHONE: It is.</td>
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<td>MR. BAUGHMAN: Super.</td>
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<tr>
<td>1. MS. RHONE: It is a state facility.</td>
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<td>2. MR. BAUGHMAN: Okay. All right.</td>
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<td>3. MS. RHONE: Yes. And they are very receptive to us coming there. You know, we took a trip up there when we were trying to find an office space for Tim and some of the elevator inspectors and had a grand tour of the place.</td>
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<td>4. It's really nice and there's a place that I saw in there that I said, &quot;Oh, yeah, I see Dave Baughman with his presentation there and his hands-on --</td>
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<td>5. MR. BAUGHMAN: The water treatment plant is there, so the aroma at times gets a little funky, but that's probably the only downside.</td>
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<td>6. MS. RHONE: And parking was great.</td>
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<td>7. There was plenty of parking space.</td>
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<td>8. MR. BAUGHMAN: But that may affect the cost, too, on what they -- you know, versus an Embassy Suites. And so, anyway, it sounds good.</td>
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<td>9. MS. RHONE: And, you know, if --</td>
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<td>10. the thing about it, too, is if we decide to host it in the Embassy Suites and they're going to comp us the rooms and stuff like that, that's different.</td>
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<td>11. MR. BAUGHMAN: True.</td>
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<td>12. MS. RHONE: But if there's a charge, then, you know, we may have to consider something different.</td>
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<td>14. CHAIRMAN MORELOCK: Okay. Our next topic for discussion is Boiler Operator Training and Certification Program.</td>
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<td>15. MR. ROBINSON: Good job. Good presentation.</td>
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<td>16. CHAIRMAN MORELOCK: Okay. Our next topic for discussion is Boiler Operator Training and Certification Program.</td>
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<td>17. MR. BAUGHMAN: Big topic, carrying on, as it will continue to carry on until we mold this out. But in particular, some interesting things going on. One of them to address was Shelby County, in the state of Tennessee, actually has a boiler operator certification program that was a motion, was brought before their Council to remove this requirement. And the reason for wanting to remove the requirement was because the</td>
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<td>1. liability on operating the boiler, and we don't mandate that.</td>
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<td>3. So part of the thought on this is having boiler operators have a log sheet, which a log sheet can be developed internally or virtually, specifically for that boiler, but it doesn't bring any cost to the State of Tennessee, and then having some kind of proficiency of making sure that that individual knows how to blow the boiler down and how to check the low-water cutoff.</td>
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<td>1. operator, as such, but we wanted to have something that attended to, for one, the number one failure, and that's low-water cutoffs. And if we can attend to that just through a simple proficiency training and attend to it through log sheets, I think we'll be way ahead of the game. But that's just a food for thought right there. So I wanted to bring to the table what Shelby County's thoughts were and then what some of my own were on that, so ...</td>
<td>1. I mean, we've got the devices at the shop that we've brought to the training before to show the equalizing lines plug, the water bowls and the column plug, and all these different things. But what gets me is that I know what we see in this small area, and you extrapolate that out across the state and then across the country, and it lets you know what the enormity of the problem is. And this time of year coming up, it will be on the news at some point in time, especially if it's catastrophic, because this is the beginning of the heating season. So it starts up in New England and then it'll move on down. But we'll start seeing the incident reports that get filed back through the NB and you get -- reading it, low-water cutoff failures, operator error failures, and it relates back to that training and operation. The thing that we've got to figure out is how can we bring this forth to address this and not pose an economic burden back to not only the customers but back to the State also. And I think that we can figure that out by getting some very simplistic things, especially if we address that number one issue, being low waters.</td>
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<td>1. MR. HOLT: Well, the low water is</td>
<td>1. pressure steam boilers. But the person that's in</td>
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<td>2. checked once a year. On the internal, of course,</td>
<td>charge of taking care of the boilers is the same</td>
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<td>3. it's not checked. It's physically examined. But</td>
<td>guy that's waxing the floors and taking care of</td>
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<td>4. my other concern is all the boilers that are out</td>
<td>the lockers and the rest of the things. He's the</td>
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<td>5. there that have not been registered nor have they</td>
<td>custodian. And he's little trained, if any, and</td>
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<td>6. intended to be registered that are operating, you</td>
<td>6. he has such a high responsibility. And, of</td>
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<td>7. know.</td>
<td>7. course, when something happens, he's the one that</td>
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<td>8. The ones that are registered are</td>
<td>8. they point the finger at.</td>
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<td>9. checked by the inspector if not checked by the</td>
<td>9. And the schools are so tightly</td>
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<td>10. owner. And still we find that.</td>
<td>10. budgeted, some of these districts can't even run</td>
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<td>11. MR. BAUGHMAN: Well, we just had</td>
<td>11. their buses for the whole year. And it's just</td>
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<td>12. one just a few weeks ago, a company asked us to</td>
<td>12. kind of ironic that schools are there to train and</td>
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<td>13. come get the boiler started up. And so the first</td>
<td>13. educate, but training and education of their own</td>
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<td>14. thing we asked for is, &quot;Has the boiler got current</td>
<td>14. personnel is not a high factor. And most of the</td>
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<td>15. registration?&quot;</td>
<td>15. time, the maintenance budgets are one of the</td>
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<td>16. He said, &quot;Well, no. You know, a guy</td>
<td>16. easiest ones and first ones to get cut back on.</td>
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<td>17. came down from New York and put the boiler in,&quot;</td>
<td>17. So we get this compounding of</td>
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<td>18. and so I called up the office and no, it hadn't</td>
<td>18. economics dictate the amount of monies that go</td>
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<td>19. been registered. And I said, &quot;Well, we can't</td>
<td>19. back in towards training. And there again, we're</td>
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<td>20. touch the boiler until you go through this whole</td>
<td>20. operating a piece of equipment that has an</td>
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<td>21. process.&quot; And it was a second-hand boiler to</td>
<td>21. incredible potential energy.</td>
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<td>22. boot.</td>
<td>22. MR. HOLT: Well, with schools, what</td>
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<td>23. Well, that's not the only one that --</td>
<td>23. I do is -- it's kind of the -- the only thing you</td>
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<td>24. that's commonplace for what we encounter in this</td>
<td>24. can do that doesn't cost anything, if you get the</td>
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<td>25. industry. And we've all got a great relationship</td>
<td>25. janitor that's in charge of checking stuff, if</td>
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<td>1. to be able to have these communications, and it</td>
<td>1. anything, I tell him -- show him where the relief</td>
<td>1. MR. BAUGHMAN: Well, and there</td>
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<td>2. doesn't always thrill the customer when I get Sam</td>
<td>2. valves are. I say, &quot;Every time you think about</td>
<td>2. again, most boilers melt; they don't blow up. And</td>
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<td>3. involved on stuff.</td>
<td>3. it, pop that off. Just go by and do it because</td>
<td>3. that was the other part about the NB report was</td>
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<td>4. MR. HOLT: But the other thing is</td>
<td>4. you can't do it too many times,&quot; because it's</td>
<td>4. that by far and large, you have more accidents and</td>
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<td>5. that when we run into that, you and I and we all</td>
<td>5. working, you know. And if they don't know</td>
<td>5. injuries with the low-water cutoffs than what you</td>
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<td>6. know how dangerous these can be and the potential</td>
<td>6. anything else ...</td>
<td>6. do with the pressure vessels.</td>
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<td>7. for loss of life. The owner is not aware of that.</td>
<td>7. MR. BAUGHMAN: Well, and there</td>
<td>7. On the flip side of that, what the NB</td>
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<td>8. MR. BAUGHMAN: Clueless.</td>
<td>8. again, most boilers melt; they don't blow up. And</td>
<td>8. report does not give is the most deaths and</td>
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<td>9. MR. HOLT: And that's, I think, the</td>
<td>9. that was the other part about the NB report was</td>
<td>9. injuries attributed on pressure vessels are carbon</td>
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<td>10. problem, because, &quot;Well, they just put it in and</td>
<td>10. that by far and large, you have more accidents and</td>
<td>10. monoxide. And we don't even address that.</td>
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<td>11. I'm using it.&quot;</td>
<td>11. injuries with the low-water cutoffs than what you</td>
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<td>12. &quot;Well, you're not using it until we</td>
<td>12. do with the pressure vessels.</td>
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<td>13. register it. Okay?&quot; But then sometimes you spend</td>
<td>13. On the flip side of that, what the NB</td>
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<td>14. an hour explaining to them how, you know, people</td>
<td>14. report does not give is the most deaths and</td>
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<td>15. can get hurt, die, and whatever, and then they</td>
<td>15. injuries attributed on pressure vessels are carbon</td>
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<td>16. either take it seriously or they don't. But it's</td>
<td>16. monoxide. And we don't even address that.</td>
<td></td>
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<td>17. there regardless. Nature is nature, you know,</td>
<td>17. MR. JOHNSON: That's your flue</td>
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<td>18. so ...</td>
<td>18. issue.</td>
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<td>19. MR. BAUGHMAN: You're right. Well,</td>
<td>19. MR. BAUGHMAN: That's part of the</td>
<td>19. MR. BAUGHMAN: That's part of the</td>
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<td>20. now, how do you educate the public? And, you</td>
<td>20. flue issue. Flues get rid of the products and</td>
<td>20. flue issue. Flues get rid of the products and</td>
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<td>21. know, we're involved in that to some degree, but</td>
<td>21. combustion, but they don't cause the products and</td>
<td>21. combustion, but they don't cause the products and</td>
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<td>22. we see a very small number of people that come</td>
<td>22. they're getting rid of it. So ASME</td>
<td>22. they're getting rid of it. So ASME</td>
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<td>23. through. And one of the things that bothers me</td>
<td>23. CSD-I said the burner should be tuned.</td>
<td>23. CSD-I said the burner should be tuned.</td>
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<td>24. is, in particular, the schools, where you've got,</td>
<td>24. MR. JOHNSON: It's just not right.</td>
<td>24. MR. JOHNSON: It's just not right.</td>
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<td>25. typically, either hot-water boilers or low-</td>
<td>25. MR. BAUGHMAN: It doesn't say it</td>
<td>25. MR. BAUGHMAN: It doesn't say it</td>
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1. shall be tuned, but it should be tuned. And so
2. there's no mechanism for making sure that the
3. burner, which is where the carbon monoxide is
4. produced, the fuel/air imbalance there, and then
5. you compound that with an improper flue that
6. mitigates the carbon monoxide out of the room, and
7. that's where you have these incidences at.
8. MR. JOHNSON: But a bad flue often
9. is the reason that the carbon monoxide is produced
10. in the first place.
11. MR. BAUGHMAN: Well, no, it's not
12. the -- the flue doesn't produce --
13. MR. JOHNSON: Yes. The bad flue is
14. the reason why it is produced in the first place
15. because there is no longer excess air allowing
16. the --
17. MR. BAUGHMAN: No. The flue just
18. gets rid of the products at combustion.
19. MR. JOHNSON: I teach this subject,
20. and I won't argue about it further, but these are
21. not -- that's not just a separate issue. It is
22. part of the issue.
23. MR. BAUGHMAN: Well, on a
24. four-strap boiler, we don't even have the chimney
25. effect. The burner is pushing the product's

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1. combustion through the boiler and forcing them
2. through the stack. And so an atmospheric boiler
3. has a negative pressure in the stack, and a
4. four-strap boiler has a positive pressure.
5. So at any rate, yeah, the flue comes
6. into an integral part of the whole proposition,
7. but these items aren't even really addressed. We
8. bounced it off just briefly, addressing that flue
9. connection and the type and materials, but still
10. addressing back, since CO isn't part of our codes
11. presently, is addressing that low-water cutoff
12. issue to any degree that we can.
13. MR. ROBINSON: Let me ask this
14. question. We had some literature that was passed
15. out amongst the board members, and it talked about
16. historic boilers and the log. Right now, CSD-1
17. we've adopted. The State of Tennessee adopts
18. CSD-1. CSD-1 says -- it makes a recommendation to
19. have a boiler log. Okay? Rather than to burden
20. the entire state with the certification program,
21. would it not be prudent to push a boiler log that
22. it gives you something to rely on that, "Hey, you
23. will have to learn how to do operational checks
24. periodically, and you have to have objective
25. evidence of performing that inspection," as

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1. opposed to -- and perhaps maybe it would be -- and
2. again, I'm not really sure how the State feels
3. about it because we make a mention of it. CSD-1
4. does say it.
5. And as you said before, I re-point
6. out just -- I'm just going to read this excerpt
7. from CSD-1. It's in the forward. And it says,
8. "Major causes of accidents to automatically-fired
9. boilers are a lack of proper controls, safety
10. devices, lack of adequate maintenance, and
11. properly trained operators and failure to test
12. controls and safety devices and complacency
13. because the boiler has been running trouble free
14. for a long period of time."
15. So as an inspector -- let me tell
16. you, as an inspector, I'll go into a business and
17. I'll say, "Show me a test. Test something." And,
18. you know, sometimes I'll run into the little, old
19. lady who I must explain to her, "Okay, I want you
20. to hit that switch and bring it down and let the
21. boiler blow steam." And I'll say, "It's supposed
22. to cut off in about five seconds," and show her a
23. level.
24. So I'm giving her training at the
25. same time, but she doesn't know it. If she had a

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1. log and we enforce it, it would be something to
2. write on. So that's just a suggestion.
3. MR. BAUGHMAN: Well, and you've got
4. to be able the prove that there's no negligence of
5. attendance or maintenance of the boiler.
6. MR. ROBINSON: With that document,
7. that would --
8. MR. BAUGHMAN: That's right. And
9. so --
10. MR. ROBINSON: Objective evidence.
11. MR. BAUGHMAN: -- there's two
12. things that legal will be coming forth, "What type
13. of training have your personnel had and do you
14. keep a log sheet?" And if it's, "Well, Bob, he
15. worked here for years, and he showed us this and
16. he pretty well knew what he was doing," that's
17. okay. But unless you've got some accountability
18. for the liability of operating the boiler, you
19. don't have anything really to bring to the table,
20. and a simple log sheet does that.
21. And gosh, all kinds of stuff are
22. logged in the industry, so I don't think it's too
23. far-fetched to make this part of the direction
24. that we're looking to go in.
25. CHAIRMAN MORELOCK: Tim?
MR. HOLT: When I was in California, MPS required that the concession area that we worked at, that you had a log sheet that -- they were low-pressure boilers, but any time that the low-water cutoff was tested, it had pass/fail and your initial and the date, and the person who did it. Just the log. And you go in there -- what they did there is once a day on a low-pressure boiler was to check the low-water cutoff and then do the blowdown, or whatever is required there, and put their name, the date, and pass or fail, completed. And that's all they wrote in there. And it was just a log. Day after day after day of just records.

I don't know how binding that is but least it's a record. So if we did a 20-minute rule or whatever, whoever did a check on them, if they just -- I know you can't require them, but if there was a record there of when it was done, who did it, and what time, at least it's a record. Mr. Robinson: And the identifier was if the boiler is clogged.

MR. HOLT: Pardon me?

MR. ROBINSON: The identifier -- if you've got someone who is not blowing it down, not doing that positive check, you're going to see debris.

MR. HOLT: Yeah.

MR. ROBINSON: You're going to see it.

MR. HOLT: Oh, yeah, I know. I mean, when you do that, you --

MR. ROBINSON: It's tell-tale.

MR. BAUGHMAN: Well, positive check is what you just mentioned.

MR. ROBINSON: I said both.

MR. BAUGHMAN: Yeah. Because we had a surgical hospital earlier in the year, the guy was blowing the boiler down every year. He would open the valves, but he never did a positive check, low-water cutoff, and the blowdown piping was plugged up.

MR. ROBINSON: Right.

MR. BAUGHMAN: And so eventually, his low-water cutoff plugged up and fortunately the boiler wouldn't operate properly. And he said, "Man, I open these valves every day." And I said, "Did you ever check?"

He said, "No, never checked it."

MR. ROBINSON: Yes, both.

MR. ROBINSON: Right. The identifier -- if the boiler is clogged.

MR. BAUGHMAN: -- and stuff like that, so I think you can just put it in the rules.

CHAIRMAN MORELOCK: Okay.

MR. BAILEY: I don't think it takes a legislative action to do it.

CHAIRMAN MORELOCK: Okay. That would be easier for us to do. An so the staging of that, probably go ahead and get the reorganization done, but we could add it to the rules later when you're ready, when you get your proposal --

MR. BAUGHMAN: Drafted up.

CHAIRMAN MORELOCK: -- ready, get it drafted up. We could also add the log to the rules as well, I would think, under boilers. And then you could actually add it there and then you could also add words to where when the inspector visits, that he would review that log sheet.

MR. BAILEY: Mr. Robinson was talking we had already -- we've adopted --

MR. ROBINSON: We have logs -- we have a requirement for logs inside 0800 already for historical boilers and also for variances.

CHAIRMAN MORELOCK: Right.

MR. BAILEY: And so it's only historical and variance.

MR. ROBINSON: Yes.

MR. BAILEY: So this would apply to all.

MR. ROBINSON: Right. The
1. MR. BAUGHMAN: Well, no, because we've got process low-pressure in the marketplace, also plating plants, all different kinds of facilities, breweries, distilleries and so forth that operate year around.
2. CHAIRMAN MORELOCK: By the way, what I was getting at was the heating boilers only operate during the heating season, so how often do they check it during the time of operation? And so you differentiate the heating boilers, and then you also have process boilers that operate year around. And so somewhere along the way, we've got to come up with --
3. MR. BAUGHMAN: Clarity.
4. MR. ROBINSON: Right.
5. MR. BAUGHMAN: Right.
6. MR. ROBINSON: Thank you. That's it. That's what I was going at.
7. MR. BAUGHMAN: Yeah. And then you've got the hot-water boilers, too, and hot-water boilers are a whole different animal. They've got a low-water cutoff on them.
8. MR. ROBINSON: Right.
9. MR. BAUGHMAN: And they do meet, if they're above 400,000 BTUs, they've got to meet CSD-1, and so we've got that issue also to consider. There's a lot of complexities in it,
10. MR. ROBINSON: How do you feel about low pressure as opposed to both, high pressure and low?
11. MR. BAUGHMAN: They both need to be checked. It's the -- one of the things with it is that I got to talking about was the frequency, you know, what's the frequency of checking? Do you check it once a year? Do you check it once a week? The basis is that however often it's checked, it needs to be checked on a consistent basis. You can't be inconsistent in your checks.
12. Low-water boilers or low-pressure steam boilers predominantly are heating boilers.
13. So certain --
14. MR. ROBINSON: So restrictive to low-pressure steam heating boilers.

1. but I don't think it's going to be outside of what we can do, by any means, in a timely manner, so ...
2. MR. ROBINSON: Very well.
3. CHAIRMAN MORELOCK: Okay. And just to kind of put this together to a scope that we can move forward with, does the State of Tennessee want to issue boiler operators licenses?
4. MS. JEFFERSON: That's something that would be in the form of a recommendation, because that's something that we would want to --
5. well, I would want to speak with the commissioner about, what direction he wants to take.
6. CHAIRMAN MORELOCK: Okay. And would that be a significant cost to have to maintain those? And the reason I'm asking is because in Rule 0800-03-03, based on what Dan has told me, we can write rules in there to it, if nothing else, that when an inspector goes in and does his boiler inspection, we could put a requirement in there that the owner/user of that boiler shall have training records for all their operators to ASME or whatever we say, National Board, ASME or National Board, however we want to word that. So that would accomplish the safety requirement in there that the owner/user of that does his boiler inspection, we could put a nothing else, that when an inspector goes in and tells me, we can write rules in there to it, if because in Rule 0800-03-03, based on what Dan has told me, we can write rules in there to it, if nothing else, that when an inspector goes in and does his boiler inspection, we could put a requirement in there that the owner/user of that boiler shall have training records for all their operators to ASME or whatever we say, National Board, ASME or National Board, however we want to word that. So that would accomplish the safety requirement in there that the owner/user of that does his boiler inspection, we could put a nothing else, that when an inspector goes in and does his boiler inspection, we could put a...
1. to produce these licenses and certificates and permits. And money, you know, goes into getting that on the front end.
2. It's one thing to -- you know, for folks to pay the monies, and the monies come later.
3. CHAIRMAN MORELOCK: Right.
4. MS. JEFFERSON: But we need the money on the front end.
5. CHAIRMAN MORELOCK: Right.
6. MS. JEFFERSON: So, you know, in looking at that and looking at some of the other programs, that's something definitely to take into consideration.
7. What I did like about the conversation is when the folks with the inspection background talked about educating the public anyway, because that's what we do in addition to issuing these permits, certificates, or whatever we do. We have labor standards in which we issue penalties. In addition to doing that, all the folks in the field educate the public anyway. They are supposed to tell them. If they don't have what the law requires, if they're not compliant, then they're supposed to educate those log sheets available to make those, too, so ...
8. And, Tim, what was your comment?
9. MR. HOLT: I was just going to say that for a boiler operator, we're talking about steam boilers, right, low- and high-pressure steam boilers, that you're saying to license a boiler operator. If we do anything, at least get into where they can get a certificate or something saying that they know very well the basic safety requirements on how to safely shut that boiler off, to know inside and out how low-pressure cutoff works. And when it operates -- if it fails or passes, they know what to do next, just basically. And that would go a long way to prevent any accident. It's simple.
10. CHAIRMAN MORELOCK: Well, see, Dr. Canonico approached the National Board to see if they would be interested in developing a certification program, and from a business model, it's just not worth it. I mean, they just can't -- it wouldn't make money. I mean, they're all about the safety end of it, but, you know, they've got to be able to fund their safety. So that's why we went that route. So anyway.
11. So I would like to see us move in the direction of maybe talking about that, talking about the education that we already do. I'm not really sure about the license phase, but we'll have to take a look at all of the factors to determine whether or not we're able to do that.
12. CHAIRMAN MORELOCK: Well, maybe a good first step would be to at least put the training requirement into the Rule 0800-03-03. That way the inspectors, when they go out, they can actually look at that record, see that it's done to ASME, National Board, or whatever, you know, that wording is, and then they'll also have those log sheets available to make those, too, so ...
13. And, Tim, what was your comment?
14. MR. HOLT: I was just going to say that for a boiler operator, we're talking about steam boilers, right, low- and high-pressure steam is what we're dealing with, right? A heating boiler, you can't test the low water because it's flooded.
15. CHAIRMAN MORELOCK: Right.
16. MR. HOLT: But although I think there's a way to electronically test them ...
17. MR. ROBINSON: They've got a company out there making a test switch on the -- Potter Brumfield, they're putting a little test mechanism button on them.
18. MR. HOLT: Well, my point is, is that you're saying to license a boiler operator.
19. If we do anything, at least get into where they can get a certificate or something saying that they know very well the basic safety requirements on how to safely shut that boiler off, to know inside and out how low-pressure cutoff works. And when it operates -- if it fails or passes, they know what to do next, just basically. And that would go a long way to prevent any accident. It's simple.
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25. CHAIRMAN MORELOCK: Right.
26. MR. HOLT: But although I think there's a way to electronically test them ...
1. they'd just pay to come to the conference, get the training, get the certificate, and then go back and operate their boilers.

4. MR. BAUGHMAN: Just an observation, and kind of relating to this training requirement like the Tennessee OSHA Act. There are several standards that require, let's say, for instance, excavation trenching, requires that the trench be examined every day by a competent person. And, now, it doesn't require that there be a particular certification or whatever, but if our inspector shows up at a trench that is obviously not in compliance, they will ask, "Who is the competent person?"

15. And a lot of times, you know, the foreman will say, "Well, I am."

17. "Well, did you do a soil-type test?

18. Do you understand about sloping?" Sometimes they do and they've had the training, but a lot of times they have no idea. And then they're cited if they don't have a competent person inspecting the trench.

22. But I guess my point is it kind of puts -- it requires that a competent person inspect whatever or, you know, they be competent.

1. in that area. But it puts the onus back on the employer to see that they get that training. The State doesn't necessarily provide that training.

4. MR. BAUGHMAN: What is competency and who determines competency?

5. MR. BAUGHMAN: Right. Exactly.

7. MR. BAUGHMAN: And that's a wide open thing, especially in the legal -- in the thing. So if you can --

10. And there again, Kim, you were talking about -- the inspectors are really charged with part of that education. And if we've got -- we've got a mandate to have e-stops in our boiler rooms. And if we do some simple training on the job site while the inspectors are there, for one it builds a better relationship, I think, with the inspector and the operator. But they've got to know where that e-stop is at. And if they're fumbling around and looking for -- you know, some of them have no idea. And so the e-stop gets trained, the low-water cutoff gets trained.

22. If you have some simple mechanisms in place without necessarily a certification, but if we can just bring a level of training and move this thing forward, what we've got is a -- we've

1. got to have a starting point. And right now we don't. We've got historic boilers and on the variance.

4. But if we can bring a level of training and start in with educating and then having that log sheet, that's a great starting point. And I don't think from a cost standpoint, that's going to have a negative impact. That's my own narrow viewpoint with blinders on. But I think it's a good starting point for us to have some further discussion and write up a draft on that, and then bring that back to the table and seeing what we can do with it.

14. CHAIRMAN MORELOCK: All right. So do you think we've got enough -- you've got enough to proceed?

17. MR. BAUGHMAN: I do.

18. CHAIRMAN MORELOCK: Does anybody want to add any more comments to that?

20. MR. BAUGHMAN: I would like to solicit input from our inspector community and others, but I would like to make sure that -- and I don't know the mechanism to do that, Sam, but how we can get input in just so that we don't have blinders going on with this thing. But input from our group here but also asking for input within the boiler unit and inspectors that we've got. Because they do have valuable input that we want to make sure that we consider.

5. CHAIRMAN MORELOCK: I think if we get a strawman built and give them something to shoot at, because if you just say, "We want input," they're --

9. MR. CHAPMAN: They're not going to say nothing.

11. CHAIRMAN MORELOCK: Yeah.

12. MR. BAUGHMAN: Okay. Good point.

13. CHAIRMAN MORELOCK: So let's get a draft put together and then let it be distributed through the inspectors, and even some of the owner/users and stuff, and then that way we can -- we'll get productive comments on that.

18. MR. BAUGHMAN: You're right.

19. CHAIRMAN MORELOCK: Okay. Anything else on that item?

20. MR. BAUGHMAN: Thank you very much.

22. CHAIRMAN MORELOCK: All right.


24. Our next item is Status of the Search

25. for a New Chief Inspector for the State of
1. Tennessee. I think we're done with that one.
2. We'll take that one off the list.
3. Our next item is 2016 meeting dates.
4. And I know there's been a desire to not overload
   the State to have all of these boards meeting at
   the same time in one given week. So what I want
   us to decide today is we had been asked this year
   to move to the second Wednesday of the month. And
   for the most part, I think that's worked fine. I
   don't know that there's been any issues. I mean,
   we'll always have to have some adjustments for
   various reasons throughout the meeting year.
   But as a board, are you comfortable
   meeting the second Wednesday of the quarter
   instead of the first Wednesday of the quarter? Is
   there any objections to that? What that's going
   to look like for 2016, the proposed meeting dates
   would be March the 9th, June the 8th, September
   the 14th, and December the 14th, would be the 2016
   proposed dates for this meeting.
   And one of the things that we need to
   make the great State of Tennessee aware of is that
   if people are comfortable knowing it's the first
   Wednesday, we need to post something on the boiler
   unit or the boiler's web page so that people will

1. would probably be good to have that annually and
2. that some way, some how, it would be good if we
3. could tie it in in such a manner where it would
4. coincide with the fall conference or board meeting
5. or something so that people aren't having to
6. travel, you know, two or three weeks within the
7. same month.
8. But I did want to thank you-all for
9. the training and taking the time to do that,
10. because it was very informative. It was good to
11. meet other board members, which I'd never met. I
12. even met people from Eastman that I didn't know,
13. so ...
14. But that was very good and I just
15. wanted to publicly thank you for that and then let
16. anybody else provide any comments because it was
17. very good.
18. MR. JOHNSON: I missed it.
19. CHAIRMAN MORELOCK: Okay.
20. MR. JOHNSON: It would be handy if
21. there were a website where presentations that were
22. made could be accessed during the year between
23. these conferences.
24. CHAIRMAN MORELOCK: It would. I
25. agree.

1. know that we've moved to the second Wednesday of
2. the quarter so that they won't come on the wrong
3. week. So is everybody comfortable with that?
4. MR. ROBINSON: Yes, sir.
5. CHAIRMAN MORELOCK: All right.
6. Then that's what we'll use.
7. The last item I have is I just wanted
8. to introduce the training subject that we had a
9. couple weeks ago and open the floor for anybody to
10. comment. But first of all, I just wanted to thank
11. our administrator and the boiler unit and the
12. Governor's Office for setting this up and inviting
13. all the boards to the training. It was very
14. informative. We learned a lot of things about the
15. appointment process for board members, the
16. reappointment process. We learned about, you
17. know, the responsibilities that we have as a
18. board.
19. We touched on conflict of interest,
20. but it's pretty well self-explanatory anyway and
21. we've kind of got that in place, but we touched on
22. that a little bit. But the other thing and the
23. big thing that I want us to think is this was the
24. first time I had ever been a participant in
25. training like that. And we kind of agreed it

1. MR. JOHNSON: It's just a
2. suggestion.
3. MS. DOWER: I'll make note of that.
4. CHAIRMAN MORELOCK: Yeah, if
5. there's any minutes from that or -- that will be
6. good.
7. MR. JOHNSON: Or slides or --
8. MS. DOWER: I'll see if we can
9. draft something.
10. CHAIRMAN MORELOCK: Okay. So does
11. anybody want to add to that? I'm opening the
12. floor for that.
13. MR. BAUGHMAN: I would like to have
14. more fellowship with the other members. I know I
15. kind of got there right at the opening bell, but
16. having time to -- you know, we got introduced and
17. we were in a large U-shaped configuration so I got
18. to see some of the other board members. But I
19. really didn't have the time to fellowship with
20. them to any degree, so maybe having that as part
21. of the -- before -- and it may have been and I
22. just may have missed out on it, but just having
23. that time of a little bit of fellowship to be able
24. to meet new brothers and sisters and then get down
25. to business. I always enjoy that opportunity.
MS. DOWER: I will note that as well.

CHAIRMAN MORELOCK: Okay. Any other comments about that?

(No verbal response.)

CHAIRMAN MORELOCK: All right.

There are no rule cases or interpretations currently. The next Board of Boiler Rules Meeting will be 9:00 a.m., Central Time, Wednesday, December the 16th in this meeting room.

Do I have a motion for adjournment?

MR. JOHNSON: So moved.

MR. ROBINSON: Second.

CHAIRMAN MORELOCK: All right. You can vote with your feet. I hope y'all have a good week and thanks for coming.

END OF THE PROCEEDINGS.

CERTIFICATE

STATE OF TENNESSEE  
COUNTY OF WILLIAMSON  
I, Cassandra M. Beiling, a Notary Public in the State of Tennessee, do hereby certify:

That the within is a true and accurate transcript of the proceedings taken before the Board and the Chief Inspector or the Chief Inspector's Designee, Tennessee Department of Labor & Workforce Development, Division of Workplace Regulations and Compliance, Boiler Unit, on the 9th day of September, 2015.

I further certify that I am not related to any of the parties to this action, by blood or marriage, and that I am in no way interested in the outcome of this matter.

IN WITNESS WHEREOF, I have hereunto set my hand this 22nd day of September, 2015.

___________________________________
Cassandra M. Beiling, CCR, LCR# 371
Notary Public State at Large

My commission expires: 3/12/2016
312 8:2
33 18:17
369 15:9
37 24:23 32:22
370 1:24
371 1:22 94:24

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