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STATE OF TENNESSEE
DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
BOARD OF BOILER RULES

QUARTERLY MEETING OF THE
STATE OF TENNESSEE
BOARD OF BOILER RULES

September 13, 2023

ORIGINAL

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1 APPEARANCES:

2 Brian Morelock, Chairman/Board Member

3 David W. Baughman, Board Member

4 Jeffery Henry, Board Member

5 Micah Lashley, Board Member

6 Richard Scott May, Board Member

7 Philip Hickerson, Chief Boiler Inspector

8 Justin Miller, Assistant Chief Boiler Inspector

9 Deniece Thomas, Commissioner
Tennessee Department of Labor

10 Thomas Herrod, Assistant Commissioner
11 Tennessee Department of Labor

12 Dan Bailey, Esq., Legal Counsel
Tennessee Department of Labor

13 Chance Deason, General Counsel (not present)
14 Tennessee Department of Labor

15 Michele Irion, Boiler Board Secretary
Tennessee Department of Labor

16 Jamie Diefenbach, Executive Admin Assistant
17 Tennessee Department of Labor

18 Mia-Lyn Wiley, Administrative Services
Tennessee Department of Labor

19 Tia XiXis, Chief of Staff
20 Tennessee Department of Labor

21

22 Additional appearances:

23 Marty Toth, ECS Consulting and Boisco Training
Group

24

25 Branden Matue, FM GLOBAL

1 Appearances continued:

2 R. Duane Hoagland, Process Safety Manager
Wacker North America

3 Steve Courson, Director of Process Safety
4 Wacker North America

5 James Anderson
Ultium Cells

6 John Largen
7 Boiler Supply Company

8 Mark Edwards
Boiler & Property Consulting

9 Joe Hurt, Present
10 PBP Fabrication

11 Shannon Beeson
Rinnai America Corporation

12
13 STONE & GEORGE COURT REPORTING
Cassandra M. Beiling, LCR

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24 ** Reporter's Note: All names are spelled
phonetically unless otherwise provided to the
25 Reporter by the parties.

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- 2 I. Call Meeting to Order
- 3 II. Introductions and Announcements
- 4 III. Adoption of the Agenda
- 5 IV. Approval of the Meeting Minutes for
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- 6 V. Chief Boiler Inspector's Report
- 7 VI. Variance Report
- 8 VII. Old Business
9 23-02 TAMKO requests consideration for
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- 10 VIII. New Business
11 23-04 PBP FABRICATION, INC. requests
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12 erection, repair, and/or alteration of
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13 of Tennessee
14 23-05 WACKER CHEMICAL COMPANY requests the
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15 intervals of pressure vessels
16 23-06 MEHARRY MEDICAL COLLEGE requests a
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17 our four high-pressure steam boilers located
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- 18 IX. Open Discussion Items
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- 20 X. Board Case & Interpretations
21 BC 23-01 ECS Consulting LLC requests a Board
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22 the pressure relief systems of thermal fluid
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- 23 XI. Upcoming 2023 Scheduled Quarterly Meetings
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- 24 XII. Adjournment
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1 * * * * *

2 CHAIRMAN MORELOCK: Good
3 morning, everybody. I want to welcome you to the
4 September Tennessee board meeting, and so we'll get
5 started here in just a minute.

6 All right. Let's see. Everybody --
7 we're good. All right.

8 So again, welcome. Thank you for
9 coming down here and -- to participate in our
10 review and discussion on our agenda.

11 And so with that, I'm going to call
12 this meeting to order.

13 If you don't have an agenda, they are
14 on the back table. So make yourself available to
15 get one of those.

16 And our next item is to have
17 introductions and announcements.

18 And we will start with you.

19 MR. MAY: Scott May,
20 Boilermakers, Boiler Board.

21 MR. LASHLEY: Micah Lashley,
22 insurance representative, Boiler Board.

23 CHAIRMAN MORELOCK: Brian
24 Morelock, Board Chair, representing pressure
25 vessels.

1 MR. BAUGHMAN: Dave Baughman
2 Allied Boiler, board member.

3 MR. HENRY: Jeff Henry, board
4 member, ATC.

5 MS. WILEY: Mia-Lyn Wiley,
6 Boiler Admin Staff Supervisor.

7 MS. IRION: Michele Irion, Board
8 Secretary.

9 MR. MILLER: Justin Miller,
10 Assistant Boiler Chief.

11 MR. HICKERSON: Philip
12 Hickerson, Chief Boiler Inspector.

13 MS. THOMAS: Good morning.
14 Deniece Thomas, Commissioner.

15 MR. HERROD: Tom Herrod,
16 Assistant Commissioner.

17 MR. BAILEY: Dan Bailey, legal
18 counsel.

19 MR. HOAGLAND: Duane Hoagland,
20 Process Safety Manager at Wacker.

21 MR. COURSON: Steve Courson,
22 Director of Process Safety for Wacker
23 North America.

24 MR. ANDERSON: Jim Anderson,
25 Ultium Cells, Spring Hill, Tennessee.

1 MR. TOTH: Marty Toth, ECS
2 Consulting and the Boisco Training Group.

3 MR. LARGEN: John Largen, Boiler
4 Supply Company.

5 MR. EDWARDS: Mark Edwards, XXL
6 Boiler & Property Consulting.

7 MR. HURT: Joe Hurt, President,
8 PBP Fabrication.

9 MS. DIEFENBACH: Jamie
10 Diefenbach, Executive Admin Assistant, WRC.

11 CHAIRMAN MORELOCK: Thank you.

12 Our next item is to adopt the agenda.
13 So again, if you don't have one, they're on the
14 back table.

15 And also, make sure that you sign in
16 on one of the spreadsheets there to -- so we have
17 your attendance.

18 And so with that said, do I have a
19 motion to accept and adopt the agenda?

20 MR. HENRY: So moved.

21 CHAIRMAN MORELOCK: I have a
22 motion. Second?

23 MR. LASHLEY: Second.

24 CHAIRMAN MORELOCK: Any
25 discussion, any changes?

1 (No verbal response.)

2 CHAIRMAN MORELOCK: Hearing
3 none, all in favor say "aye."

4 (Affirmative response.)

5 CHAIRMAN MORELOCK: Against?

6 (No verbal response.)

7 CHAIRMAN MORELOCK: Abstentions,
8 not voting?

9 (No verbal response.)

10 CHAIRMAN MORELOCK: We have an
11 agenda.

12 So the next item on the agenda is
13 approval of the meeting minutes for the June 28,
14 2023 meeting.

15 Are there any questions, corrections
16 about the minutes?

17 (No verbal response.)

18 CHAIRMAN MORELOCK: All right.
19 Hearing none, do I have a motion to accept?

20 MR. HENRY: So moved.

21 MR. BAUGHMAN: Second.

22 CHAIRMAN MORELOCK: Okay. Good.
23 So any changes?

24 (No verbal response.)

25 CHAIRMAN MORELOCK: Hearing

1 none, all in favor say "aye."

2 (Affirmative Response.)

3 CHAIRMAN MORELOCK: Opposed?

4 (No verbal response.)

5 CHAIRMAN MORELOCK: Abstentions,
6 not voting?

7 (No verbal response.)

8 CHAIRMAN MORELOCK: The minutes
9 are approved.

10 MR. BAUGHMAN: I just want to
11 make a comment real quick.

12 Chairman, thanks for getting the
13 minutes to us timely to where we're able to review
14 them, too. I appreciate that because it's a lot
15 of words to look over. But it really was sent to
16 us timely and I appreciate that.

17 CHAIRMAN MORELOCK: Excellent
18 comment.

19 Any other questions or comments?

20 (No verbal response.)

21 CHAIRMAN MORELOCK: All right.
22 Next item on our agenda is the Chief Boiler
23 Inspector's Report.

24 MR. HICKERSON: So on the
25 Chief's report, today will be my last day as Chief

1 and for the board meeting. My last day will be
2 Friday, September 15th. I've decided to take a
3 position with Hartford Steam Boilers.

4 Other than that, we have Richard
5 Campbell. He passed the National Board Boiler
6 Exam on September 6, on Wednesday. He is in the
7 process now of getting his Tennessee commissions,
8 and then he'll be -- within two weeks, he'll be
9 able to be inspecting for us. From there --
10 that's all on the Chief's report.

11 We'll go into the variance report.
12 We have 87 active variances. We had -- on
13 renewals or new inspections performed, 11 passed,
14 zero had failed. And then we have eight that are
15 board approved that are not ready, and they're --
16 you know, it's equipment not installed and things
17 like that. But that's it.

18 CHAIRMAN MORELOCK: Okay. Any
19 questions?

20 MR. BAUGHMAN: Chief, you
21 mentioned that -- and I think we probably
22 discussed this in the past, where we've got a
23 variance that has been approved and ready for
24 inspection, but the equipment is not installed yet
25 or what have you.

1 What time frame do we have or do we
2 have a time frame, or is that something we need to
3 talk about, for the length of time between
4 approval and time of --

5 MR. HICKERSON: To my knowledge,
6 I don't know of anything that is set in stone for
7 now, but I do believe it is something that needs
8 to be discussed, because some of these are from
9 2021, that's not done yet, so...

10 MR. BAUGHMAN: Interesting.
11 Okay. Thank you. Appreciate that.

12 CHAIRMAN MORELOCK: Any other
13 questions, comments?

14 Go ahead.

15 MR. BAUGHMAN: You mentioned
16 Richard Campbell.

17 MR. HICKERSON: Yes, sir.

18 MR. BAUGHMAN: What position is
19 he going to be?

20 MR. HICKERSON: He will be -- he
21 currently is a Boiler Inspector 1. He will be in
22 Memphis area, doing inspections. Once his year is
23 up, which will be, I think, right there around
24 December, he'll move to Boiler Inspector 2.

25 MR. BAUGHMAN: Very good.

1 MR. HICKERSON: Yes, sir.

2 MR. BAUGHMAN: Thank you, Chief.

3 MR. LASHLEY: One more question.

4 Did he replace anyone in the Memphis area?

5 MR. HICKERSON: Yes. There was
6 an open position, but I don't know the name of who
7 it was.

8 MR. LASHLEY: So we still have
9 Dallas and Carl?

10 MR. HICKERSON: Yes. Dallas,
11 Carl. Mike McGee came back. And then now
12 Richard.

13 MR. LASHLEY: Okay. Thank you.

14 MR. HICKERSON: Yes.

15 MS. IRION: I believe he was
16 taking Mike McGee's position originally, and then
17 Mike came back.

18 MR. HICKERSON: That might have
19 been what it was.

20 MS. IRION: Yeah. And Mike came
21 back, so we were grateful for that.

22 MR. LASHLEY: Just couldn't
23 leave.

24 MS. IRION: No. We're special.

25 CHAIRMAN MORELOCK: Very good.

1 Any other questions or comments?

2 (No verbal response.)

3 CHAIRMAN MORELOCK: All right.
4 Very good. That will take us to Old Business.

5 Our first item is 23-02. TAMKO
6 requests consideration for approval of a variance
7 to boiler attendant requirements.

8 So as Mr. Toth is preparing to
9 present this, is there any conflict with any of
10 the board members?

11 (No verbal response.)

12 CHAIRMAN MORELOCK: I see no
13 conflicts. All right.

14 MR. TOTH: Good morning,
15 Mr. Chairman and Members of the Board and guests.
16 My name is Marty Toth. I'm with ECS consulting
17 and the Boisco Training Group. I am representing
18 TAMKO for their modification of the current boiler
19 remote variance.

20 As you may be aware, TAMKO just
21 recently was reinspected under their current
22 variance. This variance is going to handle their
23 replacement of their Boiler Number 2, which is a
24 brand spanking new Cleaver-Brooks water tube
25 boiler that's being brought in.

1 TAMKO is a paper products
2 manufacturing company out of Knoxville, Tennessee.
3 As you may recall, at the last meeting, there were
4 a lot of questions concerning the manual.

5 As the Board is very aware, the
6 Boiler Unit has done a tremendous job over the
7 course of the past decade to raise the level of
8 the manuals that are being presented to the Board,
9 and the Board seeing different manuals and more
10 robust manuals. And that kind of was the case, I
11 think, that we had here, was, the current manual
12 that was produced by TAMKO was then revised and
13 brought before the Board internally, and there
14 were a lot of questions. And so they asked me to
15 get involved.

16 I work closely with John Largen on
17 other projects as well, and we took a look at it
18 and agreed that there are some opportunities. I
19 think that you will see that we put in a format
20 that you're very used to seeing from ECS manuals.
21 I spent a considerable amount of time with TAMKO.
22 Matter of fact, I was there yesterday, as I was
23 coming through Knoxville back to Nashville, and
24 spent some time with them looking at it.

25 They have a very nice program in

1 place. They have some knowledgeable individuals.
2 Currently, they are doing internal training. They
3 have made the determination that they want a
4 contract with Boisco Training Group, and we're
5 going to continue with advancing that training.
6 So they're really serious about remaining safe.

7 They understand that if their boilers
8 go down, as you can see from the system that they
9 have in place, it's very different than what you
10 normally see with remote panels. Their particular
11 panel, it only has one e-stop button. So that
12 means if they have an issue, they're going to hit
13 that e-stop. It doesn't matter if they have a
14 second boiler. Both boilers are going to go down,
15 very similar to what you see with a local e-stop,
16 that secures both boilers.

17 So they are very serious with
18 ensuring that their boilers are operating not only
19 in a safe manner, but also an efficient manner so
20 that they don't have those down times. Because if
21 they go down, it takes quite a while for them to
22 come back up and they lose product. And so they
23 are very secure with that.

24 I am open to any questions that you
25 may have.

1 Again, as I said, their Boiler
2 Number 1 is the older boiler. When I say "older,"
3 it was built the year I was born. We won't talk
4 about how old I am but -- and so it is going to be
5 their backup boiler once we get everything
6 finalized with the Cleaver-Brooks boiler, which
7 should be in the next few weeks.

8 And so then once we get that
9 inspected by the State, we get the Tennessee
10 number put on that unit, we will then be
11 requesting for the Boiler Unit to come out and do
12 a reinspection again if we pass this variance.

13 So any questions that you may have,
14 I'm willing to answer those.

15 CHAIRMAN MORELOCK: Do we have a
16 motion to discuss?

17 MR. HENRY: So moved.

18 MR. BAUGHMAN: Second.

19 CHAIRMAN MORELOCK: Okay. What
20 comments do the board members have on this
21 variance request?

22 MR. BAUGHMAN: Thanks for
23 bringing the manual back to us in a good form.

24 MR. TOTH: You're welcome.

25 MR. BAUGHMAN: It's always

1 difficult as we, as the Board, go through
2 something and talk about these things, but we're
3 all professionals in the industry and so, yeah,
4 it's appreciated.

5 So the only comment I've really got
6 is more -- and it goes to the whole, you know,
7 they don't want downtime and what have you. And
8 it doesn't relay anything to what our variance
9 requires. But as I looked at page 15 on the DA
10 data sheet, and I saw that really nice-looking DA
11 that I'm sure would worry about anybody, being a
12 1970 John Blue Company, that I couldn't find any
13 info regarding John Blue Company in this, and the
14 Tennessee number's to be determined. And that
15 was, again, somewhat worrisome.

16 The DA info wasn't in the first
17 manual. I appreciate it being in the second. But
18 as I looked at that DA and hear your comments
19 about, you know, we're all about safety and
20 downtime and what have you, and that -- just for
21 comment, that's got every opportunity of giving
22 them some headaches. And it might be a good
23 opportunity to put a nice Spray Master in.

24 MR. TOTH: Yes, sir. And I do
25 apologize. As the Board is aware, in most cases,

1 once we present the manuals, there's always time.
2 And I get with my clients, and we will go through
3 the manual again and we will make sure, because
4 there's always something, for those that are
5 familiar with going through quality control
6 manuals. Every three years, we go through one.
7 For some reason, we always find something missing.
8 That was the case with this.

9 The information for the actual
10 Tennessee number for the deaerator was provided.
11 I reached out, and unfortunately, I did not
12 present that, as I usually do in my opening
13 monologue, if you would, of any inaccuracies that
14 are in the manual, and that's one of them. And
15 it's written here. So if you would like, you can
16 pencil it in. That Tennessee number is Tennessee
17 Number 113359.

18 MR. BAUGHMAN: Very good.

19 MR. TOTH: Okay. And while I
20 was there, we did a thorough walk around, walked
21 around and looked at the DA. There was a slight
22 leak on that. Boiler Supply Company -- and the
23 leak being in the gasket. Boiler Supply Company
24 jumped right on it. The company jumped right on
25 it and got that repaired. So they are -- they go

1 through their inspections, their required
2 inspections. They just passed their inspections.
3 They are up to date on that.

4 And, you know, just really just
5 paying attention to it. And they have an
6 understanding that when you find things of that
7 nature, they need to be fixed right away. And
8 it's kind of a test on my part with my clients, to
9 see how long it takes them to get that taken care
10 of. And they jumped on that right away. So I was
11 happy to see that.

12 MR. BAUGHMAN: Good. And I
13 appreciate that comment. Just looking at it and
14 you don't know -- we're not intimate with the
15 customer.

16 MR. TOTH: Sure.

17 MR. BAUGHMAN: So we don't know
18 when the last NDE was done on it.

19 MR. TOTH: Right.

20 MR. BAUGHMAN: You know, you're
21 looking at a DA that, from an external standpoint,
22 just has a little roughness to it.

23 MR. TOTH: We'll put a little
24 paint on there. We'll be good to go.

25 MR. BAUGHMAN: There you go.

1 But I just want to bring that up for the record
2 itself, not that it pertains to our variance.

3 The next is on Appendix A, A-1, which
4 is page 14 in the manual under Appendix A, on the
5 new manual. The old manual showed that the Murray
6 boiler was a 1969, which I don't know if that
7 correlates to your birthday. The new manual shows
8 1968. So I didn't know which was which.

9 MR. TOTH: Uh-huh.

10 MR. BAUGHMAN: And then the
11 other is the SRV setting. Old manual shows
12 300 psi. New manual shows 310/315.

13 MR. TOTH: Uh-huh.

14 MR. BAUGHMAN: So I was just
15 interested in those two differences.

16 MR. TOTH: I did a little bit
17 closer look, I think.

18 MR. BAUGHMAN: I'm sorry?

19 MR. TOTH: I think I did a
20 little bit closer look, maybe.

21 MR. BAUGHMAN: Okay.

22 MR. TOTH: And as you are aware,
23 you will see a lot of manufacturers that will
24 put -- will have the actual data plate stamping.
25 And then you'll have an external plate put on,

1 maybe outside of the refractory or outside of the
2 shell or something like that. This is the
3 number -- the 1968 was directly off of the data
4 plate, not an external plate. So this boiler,
5 again, we go back to the DA that was 1968. These
6 were put in at the same time.

7 MR. BAUGHMAN: Interesting.

8 MR. TOTH: And then as for the
9 safety valves, it was just a verification on the
10 safety valves. And at this time, the safety valve
11 readings are exactly the same.

12 MR. BAUGHMAN: Very good. And
13 just to quantify that --

14 MR. TOTH: And if I may add to
15 that, I had a concern with that as well because
16 these are on a common header. So it raised my
17 interest when I looked at the new boiler, and then
18 I said, well, let me go look at the old boiler
19 because the old boiler reads 300, to verify the
20 actual safety valves, of what they read.

21 MR. BAUGHMAN: Do both boilers
22 ever operate at the same time?

23 MR. TOTH: They do not. They're
24 not intended to operate at the same time.

25 MR. BAUGHMAN: Okay. So the DA

1 is sized for the new boiler, being that it's --

2 MR. TOTH: I would have to look
3 at that a little closer, as to the sizing for
4 that. I did not go into --

5 MR. BAUGHMAN: Just curious.

6 MR. TOTH: Again, as -- the same
7 problem that you have with it is the same problem
8 that I'm going to have, with finding information
9 from 1968. And so it's kind of one of those
10 situations where we've got to take it for what it
11 is, something that's been there, something that
12 was able to handle both boilers, or at least one
13 boiler at a time, from that point and just have to
14 go with that.

15 MR. BAUGHMAN: And actually,
16 there were some other boilers that were there
17 previously.

18 MR. TOTH: There were.

19 MR. BAUGHMAN: The coal-fired
20 boilers.

21 MR. TOTH: Very interesting
22 layout, talking about space. And space that's
23 being occupied by something that is no longer used
24 probably has a lot of asbestos in it. So they're
25 just going to leave those things where they are.

1 MR. BAUGHMAN: Very good.

2 MR. TOTH: And they are right
3 across from -- if you look, they are right across
4 from where the boiler control room is. Those
5 would be where the dormant boilers are located.
6 Boiler Number 1 would be on its left of the
7 control room. Boiler Number 2 is right next to it
8 in a newly built building. And you should be able
9 to see that through the documents -- or the layout
10 that I've provided.

11 MR. BAUGHMAN: Very good. Well,
12 thank you. You've addressed the distance question
13 that we had previously.

14 MR. TOTH: Yes.

15 MR. BAUGHMAN: The rule
16 reference has been changed. That's all I've got,
17 Mr. Toth. Thank you.

18 MR. TOTH: There is one thing
19 that I would like to, again, is if we go to
20 Section 5, the highlighted section, step Number 4
21 on that, the placard, we are going to remove that
22 line of communication. So it's going to go
23 directly from communicating via the two-way radio
24 to the PA system, directly into communicating with
25 the production manager.

1 Do you see how that works?

2 (No verbal response.)

3 MR. TOTH: And so -- and the
4 reason is, this is just an oversight during the
5 communication, because our shift supervisor is
6 actually the remote attendant. So the remote
7 attendant calling himself is not accurate, if that
8 makes sense.

9 CHAIRMAN MORELOCK: Any more
10 questions, comments on this variance manual?

11 MR. HENRY: Mr. Chairman, I
12 just --

13 Mr. Toth, first of all, I appreciate
14 your initial comments. And certainly, you deserve
15 credit for some of the improvements in the overall
16 approach to this, and appreciate your input on
17 those things.

18 I've just got a couple of small
19 comments that may be considered nitpicking, but
20 where safety is involved, it's better not to leave
21 anything unattended.

22 Page 6. First comment is, "Remote
23 station for TAMKO Building Products will be manned
24 by a shift supervisor," period.

25 Later on, there's a provision that

1 other individuals who will be appropriately
2 trained could be included in that, and I think you
3 ought to just include something in that first
4 sentence that would say either shift supervisor or
5 some other appropriately trained individual.

6 MR. TOTH: And Mr. Henry, if I
7 may ask, where exactly -- which sentence or line
8 was that?

9 MR. HENRY: Page 6, the first
10 sentence.

11 MR. TOTH: The first sentence.
12 Okay. Do I go a little further -- I can
13 definitely do that.

14 In the next sentence, do I mention
15 "other qualified individuals holding those
16 certifications"? Is that satisfactory?

17 MR. HENRY: It would certainly
18 be helpful, certainly. Sure.

19 MR. TOTH: So in that sentence,
20 you would like for me to repeat what I put in --
21 what I have in the second sentence?

22 MR. HENRY: Right. Just so it's
23 consistent.

24 MR. TOTH: Okay. Sure.

25 MR. HENRY: The second one,

1 again, is certainly not critical but just so
2 there's no misunderstanding, in the second
3 paragraph in regard to training, second paragraph,
4 first -- or subparagraph 1, it says "a brief
5 understanding of the equipment being attended."

6 Can you explain to me what "a brief
7 understanding" is?

8 MR. TOTH: Yeah, absolutely.
9 When we look at the difference between a remote
10 attendant and a boiler attendant, if we look at a
11 boiler attendant, because we use that terminology
12 not only in our rules, attendant, versus using the
13 terminology of an operator, and we've had vast
14 communications throughout the industry of the
15 difference between the two.

16 In my opinion, there is no difference
17 between a boiler attendant and a boiler operator.
18 The qualifications and the training that's
19 necessary for a boiler attendant or a boiler
20 operator is significantly more than somebody
21 that's manning a remote station.

22 MR. HENRY: Right.

23 MR. TOTH: What I tend to
24 communicate with my clients when they ask, why are
25 we introducing the remote attendant, who is not an

1 operator, does not do anything with the boiler,
2 why are we introducing them to boiler information?
3 It's because they're responsible for engaging the
4 e-stop. They should know what equipment is
5 attached to that e-stop that they're pressing.

6 So when we say "a brief
7 understanding," if we go into Section 4 and talk
8 about a boiler attendant, you'll see that as a
9 more thorough understanding.

10 MR. HENRY: Right.

11 MR. TOTH: And so what we're
12 doing is -- what we do at Boisco Training Group
13 is, we create a training program that's going to
14 introduce those remote attendants to the
15 equipment, but not go so deep into the weeds about
16 the operations of the boiler.

17 Does that make sense, sir?

18 MR. HENRY: Sure. Sure. I got
19 it. That's fine. I appreciate the comment. Yes.
20 Thank you.

21 CHAIRMAN MORELOCK: Any other
22 comments or --

23 MR. MAY: He got mine. Brief
24 and thorough.

25 MR. TOTH: Brief and thorough.

1 That's right.

2 MR. MAY: That's a big gap.

3 MR. TOTH: Brief and thorough.

4 CHAIRMAN MORELOCK: All right.

5 So last call for comments or questions.

6 (No verbal response.)

7 CHAIRMAN MORELOCK: Hearing
8 none, do I have a motion for this variance?

9 MR. BAUGHMAN: Motion to approve
10 upon inspection.

11 MR. HENRY: Second.

12 CHAIRMAN MORELOCK: Okay. So
13 the action here is that we want to accept this
14 manual with the comments of the Board and
15 contingent on a successful site visit from the
16 Boiler Unit, correct?

17 MR. LASHLEY: Successful initial
18 inspection as well.

19 CHAIRMAN MORELOCK: Yeah. Okay.
20 All right. And initial inspection. All right.

21 So any other questions or comments?

22 (No verbal response.)

23 CHAIRMAN MORELOCK: Hearing
24 none, all in favor say "aye."

25 (Affirmative response.)

1 CHAIRMAN MORELOCK: Opposed?

2 (No verbal response.)

3 CHAIRMAN MORELOCK: Abstentions?

4 (No verbal response.)

5 CHAIRMAN MORELOCK: Not voting?

6 (No verbal response.)

7 CHAIRMAN MORELOCK: You have a
8 contingently approved variance.

9 MR. TOTH: Thank you,
10 Mr. Chairman. May I ask a very brief question?

11 CHAIRMAN MORELOCK: Sure.

12 MR. TOTH: Would it be okay with
13 the Board if we hold off on submitting the
14 revisions to the Boiler Unit until after that
15 initial inspection of the Cleaver-Brooks boiler so
16 we can get that information, such as Tennessee
17 number, put into the book and then we submit it to
18 the Chief? And so then the Board also has a
19 revised copy of that.

20 CHAIRMAN MORELOCK: So is your
21 client in agreeance with you on that?

22 MR. TOTH: Of course.

23 CHAIRMAN MORELOCK: Okay. All
24 right.

25 MR. TOTH: Thank you.

1 CHAIRMAN MORELOCK: Thank you.

2 All right. Our next -- well, that
3 takes us to New Business.

4 And our first new business item is
5 23-04. PBP Fabrication requests approval for a
6 license to engage in the erection, repair, and/or
7 alteration of boilers and pressure vessels in the
8 state of Tennessee.

9 So if you're ready to present that.

10 Any conflicts from the board members
11 on this item?

12 (No verbal response.)

13 CHAIRMAN MORELOCK: Okay. There
14 are no conflicts.

15 MR. HURT: We applied for a --
16 I've got a customer that's got an installation
17 here in Tennessee and we -- in communication with
18 our AIA, he asked us if we had a repair license.
19 It turns out the vessel we were working on was
20 exempt, but we didn't know that to start with and
21 we applied for the repair license. And we've got
22 a good customer who's putting in some gas
23 processor and gas-treating units in Tennessee,
24 above pools gap, and I don't know what might come
25 up but we'd already applied for the license, and

1 we would like to get a license to repair pressure
2 vessels in Tennessee. We've sent in our QC manual
3 and filled out the application.

4 CHAIRMAN MORELOCK: Okay. So
5 are there any questions from the board members on
6 this application for a repair license in the state
7 of Tennessee, or do you have any questions about
8 that?

9 So I guess to be proper, do we have a
10 motion to discuss? Let's do that first.

11 MR. HENRY: So moved.

12 CHAIRMAN MORELOCK: Okay. A
13 motion is made.

14 THE REPORTER: Can he state his
15 name?

16 MR. HURT: Joe Hurt, President
17 of PBP Fabrication.

18 CHAIRMAN MORELOCK: All right.
19 What questions or comments do the board members
20 have?

21 MR. BAUGHMAN: Joe, thanks for
22 being here. Dave Baughman.

23 So in the application, it says, "Does
24 your company possess a repair license from any
25 other state or jurisdiction?"

1 And it says no.

2 That's correct?

3 MR. HURT: That is correct.

4 MR. BAUGHMAN: Okay.

5 MR. HURT: That is correct.

6 MR. BAUGHMAN: Okay. So we
7 would be the only -- I guess I'm a little
8 confused, but we would be the only state that you
9 would have the repair license for?

10 MR. HURT: Yes, sir. Our --
11 we're in Texas and we don't have -- you know, we
12 don't have a -- there's not a pressure vessel law.

13 MR. BAUGHMAN: That's right.
14 I'm sorry.

15 MR. HURT: We have to -- we do
16 our repairs according to ASME and NBIC, but
17 there's no -- we go through -- we have a -- we do
18 have a boiler division in the state of Texas we
19 have to go through. They come out for our joint
20 reviews every three years and all that, but we
21 don't have a pressure vessel law.

22 MR. BAUGHMAN: Yes, sir. And I
23 appreciate that, and I knew the answer after I
24 asked it and got to thinking about the state,
25 so...

1 MR. HURT: Can I ask you-all a
2 question?

3 CHAIRMAN MORELOCK: Yes, sir.

4 MR. HURT: We've got, like I
5 said, a good customer that -- they're actually out
6 of Mississippi, but we've done a lot of work for
7 them for 20 or 30 years. But they're bringing in
8 quite a few pressure vessels, but all of the
9 vessels are in a -- for a gas, liquids-treating --
10 natural gas, liquids-treating facility. So all
11 the vessels will have LNG in them. So are they
12 all exempt?

13 CHAIRMAN MORELOCK: Will they
14 stay in the same service?

15 MR. HURT: Uh-huh. I mean, it's
16 a gas-treating unit for NGL Supply, basically, is
17 who it's for. And this first vessel that we
18 started was a big propane -- not propane but
19 natural gas liquid storage vessel. And it weighed
20 390,000 pounds. We cut it in half in Texas and
21 sent it over and put it back together.

22 CHAIRMAN MORELOCK: So are all
23 of these vessels bearing ASME's mark on them?

24 MR. HURT: They'll all be ASME
25 and registered with National Board. Yes, sir.

1 CHAIRMAN MORELOCK: Okay. So to
2 bring that from Texas to Tennessee --

3 MR. HURT: Well, they're not
4 coming from Texas. I think some of them are
5 coming from different places.

6 CHAIRMAN MORELOCK: Well, but
7 still --

8 MR. HURT: Anything into
9 Tennessee.

10 CHAIRMAN MORELOCK: Yeah. So if
11 it comes into Tennessee, you'll have to work with
12 the Boiler Unit to get permission to bring it into
13 the state of Tennessee, and it will require a
14 deputy inspector to do that inspection before it's
15 brought into the state of Tennessee.

16 Correct?

17 MR. HICKERSON: Well, if it's
18 dealing with LP gases, it's exempt from State
19 inspections.

20 CHAIRMAN MORELOCK: So it will
21 be exempt --

22 MR. HICKERSON: Yes.

23 CHAIRMAN MORELOCK: -- from
24 Tennessee law, right?

25 MR. HICKERSON: Yeah.

1 CHAIRMAN MORELOCK: Okay.

2 MR. HURT: If it's LP gases?

3 MR. HICKERSON: Uh-huh.

4 MR. HURT: Okay.

5 CHAIRMAN MORELOCK: Okay.

6 MR. HURT: I just want to make
7 sure.

8 CHAIRMAN MORELOCK: Okay.

9 MR. HICKERSON: At least from
10 our jurisdiction. I don't know if, you know, DOT
11 or any other services do that, but if it's LP
12 gases, it's exempt from --

13 CHAIRMAN MORELOCK: I just
14 wanted to ask the question to make sure we get it
15 in the minutes and we're clear. So that's good.

16 MR. HICKERSON: Right.

17 CHAIRMAN MORELOCK: All right.

18 MR. HURT: Thank you, guys.

19 CHAIRMAN MORELOCK: Thank you.

20 MR. HURT: Appreciate it.

21 MR. BAUGHMAN: Well, Joe, still.

22 MR. HURT: You've got more
23 questions?

24 MR. BAUGHMAN: Yeah, we've got
25 more questions. That's all right. You can sit

1 back down in the hot seat there for a minute. It
2 gets a little warm.

3 So I'm taking that these projects
4 typically run more than \$25,000.

5 MR. HURT: Probably, yeah.

6 MR. BAUGHMAN: When it states
7 that your company possess mechanical contractor's
8 license in the state of Tennessee, which is a
9 requirement by state law if a job is \$25,000 or
10 more to erect, install, repair, or alter in the
11 states that you do not have the contractor's
12 license.

13 MR. HURT: I know.

14 MR. BAUGHMAN: So being that
15 that's part of the requirement, that's something
16 for us to consider and discuss in this also, just
17 for what that's worth. Business license for doing
18 business in the state of Tennessee and the
19 mechanical contractor's license. So just wanted
20 to bring that up since it was honestly addressed
21 in the application here.

22 MR. HURT: Right. So we need to
23 get that. I don't think -- I think it's just pay
24 a fee, correct?

25 MR. BAUGHMAN: I can't answer to

1 that.

2 MR. HURT: But we can figure
3 that out.

4 MR. BAUGHMAN: Okay. So I don't
5 know how it affects anything on here.

6 CHAIRMAN MORELOCK: Right.

7 MR. BAUGHMAN: But again, it's a
8 requirement.

9 CHAIRMAN MORELOCK: That's out
10 of our scope. Yeah.

11 Any other questions or comments from
12 the Board?

13 (No verbal response.)

14 CHAIRMAN MORELOCK: All right.
15 Hearing none, do I have a motion?

16 MR. BAUGHMAN: Motion to accept.

17 CHAIRMAN MORELOCK: Okay.

18 MR. HENRY: Second.

19 CHAIRMAN MORELOCK: Okay. Any
20 other comments or questions?

21 MR. BAUGHMAN: Only thing --

22 CHAIRMAN MORELOCK: Go ahead.

23 MR. BAUGHMAN: I was going to
24 say that --

25 MR. MAY: Fish are coming now.

1 MR. BAUGHMAN: So before any
2 work can be implemented, we're approving the
3 license to engage in the erection, repair,
4 alteration, but before that can actually happen,
5 the mechanical contractor's license has to be in
6 place before any of that work can proceed.

7 MR. HURT: Yes, sir.

8 MR. BAUGHMAN: Okay.

9 MR. LASHLEY: So are you saying
10 contingent on mechanical contractor's license?

11 MR. BAUGHMAN: Yes. Thank you
12 for that wording.

13 MR. LASHLEY: Is it necessary,
14 with this being strictly natural gas, LP,
15 petrochemical?

16 MR. BAUGHMAN: Well, so as it
17 states in here, it says it's a requirement by
18 state law, in Tennessee Department of Commerce and
19 Insurance, that any erection, installation,
20 repair, or alteration to a boiler or pressure
21 vessel within the state of Tennessee that is in
22 excess of \$25,000, the company that's involved in
23 that erection, installation, repair, or alteration
24 must possess a mechanical contractor's license.

25 So to me, that -- whether it's LP,

1 it's still a pressure vessel even though that it's
2 not within jurisdiction. But that's my blinder
3 view.

4 MR. LASHLEY: Right. And I'm
5 just looking at it from an exemption standpoint.

6 MR. BAUGHMAN: I agree.

7 MR. LASHLEY: So I think
8 contingent on -- go ahead.

9 CHAIRMAN MORELOCK: Mr. Toth?

10 MR. TOTH: I understand what
11 Micah is referring to. The one thing that we need
12 to remember is that if they are working on a
13 vessel that is ASME National Board certified, and
14 they do a repair, they have to be an R stamp
15 holder in the state of Tennessee. They have to
16 have a license. So it doesn't matter if it is
17 exempt from inspection or not. For them to do an
18 ASME National Board repair, they have to have a
19 Tennessee license.

20 MR. LASHLEY: Okay.

21 MR. BAUGHMAN: Okay. That's a
22 good clarification, Mr. Toth. Thank you.

23 So it will still hold true, then.

24 MR. LASHLEY: Okay.

25 MR. BAUGHMAN: Contingent upon

1 having a mechanical contractor's license. So that
2 would be the motion.

3 MR. LASHLEY: We need to
4 remotion to contingent upon --

5 MR. HURT: Well, he was talking
6 about the R -- you've got to have an R -- you're
7 talking about an R stamp, right, from the National
8 Board?

9 MR. TOTH: Yes. Not only -- so
10 you have an R stamp.

11 MR. HURT: From the National
12 Board.

13 MR. TOTH: Right. You have an R
14 stamp. So to do that repair, that's fine. You
15 have an R stamp. But to do that repair in the
16 state of Tennessee, you have to have a Tennessee
17 license, and a Tennessee license requires that you
18 have an R stamp from the National Board.

19 Does that make sense?

20 MR. HURT: Tennessee repair
21 license.

22 MR. TOTH: Yes. Right.

23 MR. HURT: But you're talking
24 about a repair license, not a contractor's
25 license.

1 MR. TOTH: Right. I'm talking
2 about a repair license. As for the contractor's
3 license, the situation that they have is, if the
4 job that he's looking for, if you have a job in
5 play right now and it's less than \$25,000, he's
6 not required to have the contractor's license.
7 But if at any point he does do a job that's over
8 \$25,000, you will have to have one at that point.

9 MR. HURT: Yeah. We can do
10 that.

11 MR. TOTH: Okay.

12 CHAIRMAN MORELOCK: Any other
13 questions or comments?

14 MR. LASHLEY: I think that's a
15 good clarification.

16 CHAIRMAN MORELOCK: Okay. All
17 right. So I'm going to call the question. All in
18 favor say "aye."

19 MR. LASHLEY: Is it a new
20 question, for contingent upon --

21 CHAIRMAN MORELOCK: It's
22 contingent.

23 MR. LASHLEY: Okay.

24 CHAIRMAN MORELOCK: Yeah, it's
25 contingent. I think we've got all that in the

1 minutes. So yeah. It's contingent based on
2 what's been shared during this discussion.

3 Everybody agree?

4 (Affirmative response.)

5 CHAIRMAN MORELOCK: Okay. Good.
6 All right.

7 All right. So hearing that, I'm
8 going to call the question. All in favor say
9 "aye."

10 (Affirmative response.)

11 CHAIRMAN MORELOCK: Opposed?

12 (No verbal response.)

13 CHAIRMAN MORELOCK: Abstentions?

14 (No verbal response.)

15 CHAIRMAN MORELOCK: Not voting?

16 (No verbal response.)

17 CHAIRMAN MORELOCK: You have an
18 approved -- and what we can do is, after the
19 meeting, I'll be happy to initial this for you.

20 MR. HURT: Okay.

21 CHAIRMAN MORELOCK: Because I
22 have to do that. So make sure I initial that
23 today for you.

24 MR. HURT: Okay.

25 CHAIRMAN MORELOCK: Okay?

1 MR. HURT: Yes, sir. Thank you,
2 sir.

3 CHAIRMAN MORELOCK: All right.
4 This takes us to New Business.

5 Item 23-05. Wacker Chemical Company
6 requests approval for a variance for internal
7 inspection intervals of pressure vessels.

8 So while you're getting ready to --
9 preparing to present this, are there any conflicts
10 with any of the board members?

11 (No verbal response.)

12 CHAIRMAN MORELOCK: Okay. All
13 right. We're good.

14 So go ahead, Steve.

15 MR. COURSON: Thank you, Board
16 Members and Chairman, to bring this topic back up.
17 We brought it to the board --

18 MR. BAILEY: Could you state
19 your name.

20 MR. COURSON: Steve Courson,
21 Director of Process Safety for Wacker.

22 We had this discussion started and we
23 had some direction to move forward, and I wanted
24 to kind of finalize that. I did send out a
25 spreadsheet with the repair information on there.

1 And so a couple of items that I
2 wanted to get alignment with the Board on was from
3 our conversation last year, that we would be
4 moving these inspections out based on this
5 performance criteria that we're using, using the
6 damage and corrosion mechanisms and our current
7 inspections to extend these internal vessel
8 inspection frequencies.

9 We are still keeping the external
10 two-year requirements for the certificate as they
11 are. We're not planning on changing those.

12 And our thoughts were -- one, is that
13 an acceptable format to send you the inspection
14 information to be able to review the -- because I
15 think the question from the Board last time was
16 seeing our inspection results as part of this. Is
17 this format acceptable to send to you guys in
18 advance of coming back and telling what vessels
19 we're going to ask for the extensions on?

20 CHAIRMAN MORELOCK: Do you-all
21 agree?

22 (Affirmative response.)

23 CHAIRMAN MORELOCK: Okay.

24 MR. COURSON: Yeah. This
25 section is a subset of what we did, because before

1 we filled out hundreds of line items, we wanted to
2 make sure that this was an acceptable format and
3 would support this effort of moving these internal
4 inspections out.

5 The second question around this is
6 during this activity, we have found some instances
7 where our vessels were designed with no corrosion
8 allowance. However, our measurements in the field
9 are less than what the previous or nominal
10 thicknesses were. So we're doing fitness for
11 service for those vessels.

12 Again, all of these are mainly within
13 the mil tolerance levels of the original vessel.
14 So as we do the fitness for service, we were
15 planning on a similar format, saying here is what
16 it is. Again, moving those out to a frequency not
17 to, you know, exceed the code requirements,
18 usually probably in-service time of the vessel,
19 because we know we have that kind of history
20 there.

21 Would that be an acceptable approach
22 for those vessels?

23 MR. HENRY: Could I ask for
24 clarification? You said that you're seeing wall
25 thickness values that are lower than --

1 MR. COURSON: Yes.

2 MR. HENRY: -- the original
3 nominal values. Are they below what would be
4 calculated as a minimum wall thickness?

5 MR. COURSON: That's what we're
6 doing the calculations on, because on some of
7 these vessels, all we have is the original U-1
8 documents. We are in the process, can't find all
9 the project documents. Probably, the hard copies
10 are in document retention somewhere.

11 So our easiest route is, is to go in
12 and calculate that and come up with what is the
13 minimum value and make sure that these are well
14 above that and following that process. Because,
15 again, they were designed with no corrosion
16 allowance built into them.

17 MR. HENRY: Okay. Again, if I
18 could follow up, just to make sure I understand,
19 someone at some point did an original calculation
20 to determine what the minimum wall thickness was
21 going to be for the particular operating
22 conditions?

23 MR. COURSON: Right.

24 MR. HENRY: And the fitness for
25 service is not necessarily tied into that. That

1 may be simply for the particular operating
2 conditions. It may demonstrate that you can
3 operate even with thicknesses below the minimum
4 wall thickness required.

5 MR. COURSON: Right.

6 MR. HENRY: So, I guess, which
7 one are you addressing? I'm just a little
8 confused.

9 MR. COURSON: I think the T min
10 values that they had originally were just based on
11 what the design calculations were.

12 MR. HENRY: Right.

13 MR. COURSON: They didn't go
14 into allowing for any corrosion to say what it is.
15 And like I said, these values that we're reading
16 are below those values, so we're making sure
17 they're designed correctly.

18 MR. HENRY: Okay. All right.

19 CHAIRMAN MORELOCK: And just for
20 the minutes and for clarity, this particular
21 process, if they have to do an internal
22 inspection, when they open it up, it creates more
23 corrosion damage than if you leave it in
24 operation. So that's why we're hearing this today
25 and trying to get clarity to how they're going to

1 provide data to show that they're monitoring the
2 thickness of the vessels in a position where it
3 minimizes damage to the equipment. That's what
4 they're after.

5 MR. COURSON: Yes. Thank you,
6 Mr. Chairman.

7 CHAIRMAN MORELOCK: You're
8 welcome.

9 MR. COURSON: That's our biggest
10 concern on these is, again, getting moisture into
11 the system. It creates the corrosion mechanism.
12 We're as close to noncorrosive as design while
13 we're running, but in these abnormal conditions is
14 where you see the damage.

15 MR. HENRY: Are you doing the
16 fitness for service days internally?

17 MR. COURSON: No. We've got a
18 third party, Equity Engineering Group, that's
19 doing those for us.

20 MR. HENRY: Okay.

21 MR. COURSON: The same one
22 that's pulling all the data together for this and
23 putting it together.

24 MR. HENRY: Okay.

25 MR. COURSON: They're doing the

1 comparison of the damage and corrosion mechanisms
2 and everything so that we've got everything for
3 this round. And then as we go on in the future,
4 you know, some of that may be pulled in internally
5 as we build the capability within the site there
6 in Charleston.

7 MR. HENRY: Thank you.

8 CHAIRMAN MORELOCK: So just a
9 quick question: How are you establishing your
10 inspection interval for the inspection?

11 MR. COURSON: So what we would
12 do is, based on these results, we would move those
13 out to what our in-service frequency of those
14 vessels are at this time because we know, based on
15 this run time, that we're doing well and not
16 damaging our vessels.

17 And then as we get future ones, we
18 would come back and readjust those out to whatever
19 the maximum we can get, either through
20 establishment of the true RBI program or, you
21 know, as per the PSM regulations for those that
22 are dual cover.

23 MR. HENRY: So you do feel you
24 have enough information that you can establish for
25 any of the critical components in some kind of a

1 rate of loss?

2 MR. COURSON: Yes. Yes. I
3 believe we do.

4 MR. HENRY: Okay.

5 MR. COURSON: And then I had one
6 more. We do have some vessels that are very
7 difficult to inspect. Using external -- one of
8 them is one of the examples that I used in the
9 last presentation, where we flew the drone around
10 inside of it and saw it.

11 These vessels are all double-walled.
12 So they've got a -- the interior wall,
13 pressure-containing. But the exterior walls is
14 designed to contain the pressure as well, and
15 they're monitored with pressure interspaces.

16 Is it acceptable to exempt those from
17 internal inspections if we're watching --
18 monitoring the space between the internal walls
19 and the external walls?

20 CHAIRMAN MORELOCK: My initial
21 is, ASME has not finalized what remote inspection
22 is and isn't yet. They're looking at it, but
23 there's not anything published in the code books
24 as to what options you have, whether it be drones
25 or whatever, robots going around the exterior.

1 All that is being discussed, but there's not
2 anything published in the code yet. So I can't
3 give you an answer for that.

4 MR. COURSON: Okay.

5 CHAIRMAN MORELOCK: So then you
6 fall back on what's good industry practice.

7 MR. COURSON: Okay. So those,
8 we would like to, you know, of course, extend out
9 as long as we can because those are the ones that
10 are very, very difficult to get clean. Some of
11 them, we can take out of service. So, therefore,
12 the risk isn't there once they're out of service.
13 But when you go to clean the residual material out
14 of those, the experience in Germany is, you
15 usually end up ruining the vessel and having to
16 replace it.

17 So we were just looking for guidance
18 on options there. But we'll continue to try to do
19 the drone-type thing in the interim until we can
20 figure out. But we'll move those out to a longer
21 frequency as well to help the planning.

22 CHAIRMAN MORELOCK: So as long
23 as you've got data for your interval, we're fine.

24 MR. COURSON: Okay.

25 CHAIRMAN MORELOCK: But if you

1 don't have data, then you'll have to use what's in
2 the log, rule.

3 MR. COURSON: Right.

4 CHAIRMAN MORELOCK: Okay.

5 MR. HENRY: If I could follow up
6 on that, on this double wall-type design, if the
7 inner wall is breeched, and the outer wall is
8 designed to take the full internal pressure?

9 MR. COURSON: Yes, sir.

10 MR. HENRY: In a situation like
11 that, what action would you take with regard to
12 the operation of the --

13 MR. COURSON: We're required to
14 shut it down.

15 MR. HENRY: Okay.

16 MR. COURSON: Our company
17 policy.

18 MR. HENRY: Immediately? And is
19 that monitored on a regular basis?

20 MR. COURSON: Yes.

21 MR. HENRY: Okay.

22 MR. COURSON: We haven't seen
23 any of those happen, either the parent company or
24 our company had this situation because of the
25 design, but since we have the code requirement or

1 the state requirement here, we were looking at --
2 you know, make sure that we've got a path forward
3 for those vessels.

4 MR. HENRY: Okay.

5 CHAIRMAN MORELOCK: Any other
6 questions or comments?

7 (No verbal response.)

8 CHAIRMAN MORELOCK: All right.
9 Hearing none, do I have a motion?

10 MR. BAUGHMAN: Well, let me ask
11 just one thing, Mr. Chairman.

12 So this request, the approval of
13 variance for inspection, internal inspection
14 intervals of pressure vessels, specifically, what
15 are we approving as far as the intervals go? What
16 is being asked? Is it a varying interval? Is
17 it -- what exactly is it that is being asked here?

18 CHAIRMAN MORELOCK: Well, that's
19 Steve's question to ask. But, I mean, obviously,
20 all this inspection is going to determine that
21 interval, and then they'll have to report that
22 interval. I mean, that's my take on it.

23 MR. COURSON: Yeah. So
24 basically, the data set you have in front of you,
25 those have been inspected, those vessels have been

1 in service approximately six years. They all have
2 acceptable inspection results that meet our damage
3 and corrosion mechanisms. And we would be
4 requesting that we move those to six years.

5 CHAIRMAN MORELOCK: Okay.

6 MR. COURSON: The next batch of
7 data, if we had some that were ran on a shorter
8 frequency, say, for our gene silica side that had
9 only been in service for four years, then we would
10 want to request those out to a four year.

11 So the frequency of time and service,
12 that we understand. So the performance-based side
13 of it, we understand that we're good for this
14 period of time based on the results. Then we
15 would move into there. As we gather more data, we
16 would want to move that on out until we got to
17 the -- you know, the more traditional API
18 inspection frequency.

19 MR. BAUGHMAN: My question is,
20 how often will we review this data ourselves? In
21 other words, we're approving the variance. When
22 do we reevaluate this information? I don't want
23 to leave it open-ended, and there's no precedent
24 yet. We're not looking at an RBI to where we can
25 come in and evaluate. So this is kind of giving a

1 broad stroke approval, and I don't feel real
2 comfortable with that.

3 MR. COURSON: So my request here
4 would be that we would -- we're at almost 700 of
5 the 832 vessels completed as of now. Again, we
6 were shooting for the end of this month to have it
7 all done, but due to some of the -- again, the
8 double-wall vessels being cleaned and some of the
9 revision -- some of our vessels were taken in and
10 out of service quite regularly, and those
11 shouldn't be a problem because we'll be doing the
12 inspections of those revisions, because we either
13 have to clean them for them to perform correctly
14 or we have to replace consumables inside of them.

15 So on those, you know, we still would
16 like to extend that frequency so that if we ever
17 have any longer run time, we could do that.
18 Again, it's a very costly, very time-consuming
19 activity, to take these down and get them purged
20 and clean.

21 But, you know, for those, we were
22 planning on getting everything done. We would --
23 based on the format that we provided for these 700
24 that we've got done, we would bring that data to
25 you, then subsequent meetings going forward, and

1 then at least biennially, we would review our --
2 with our two-year certificate, okay, here is what
3 we've done in the last two years and here is what
4 the results of those were.

5 And then anything that we find that
6 would have corrosion mechanisms or damage that
7 wouldn't be acceptable, then we would also, you
8 know, use the fitness for service or the API to
9 reduce those frequencies back to a frequency that
10 would be acceptable. At least half-life.

11 CHAIRMAN MORELOCK: Okay.

12 MR. HENRY: So if I understood
13 what you're saying, then, you would be coming back
14 here every other year for this Board to review
15 that data?

16 MR. COURSON: At a minimum.
17 Yes.

18 MR. BAUGHMAN: As long as we've
19 got that and this isn't at fortuity and, you know,
20 we've got it for the record, then I feel much
21 better with that.

22 MR. COURSON: Right.

23 CHAIRMAN MORELOCK: And that's
24 consistent -- we've got other companies that have
25 a reporting every December, similar date of what

1 you put forth. So if your intervals of reporting
2 to the Board every two years is agreeable, I think
3 it will be agreeable to the Board.

4 Correct?

5 MR. BAUGHMAN: Yes. So this
6 variance would actually hold true, then, for a
7 two-year period of time, is what we're saying?

8 CHAIRMAN MORELOCK: Yeah.

9 MR. BAUGHMAN: Okay. Then
10 that's what our motion should be.

11 CHAIRMAN MORELOCK: I agree,
12 yeah.

13 MR. LASHLEY: Based on September
14 meetings, every other September meeting.

15 MR. COURSON: At a minimum.

16 CHAIRMAN MORELOCK: Yeah. And
17 as far as the meeting, whatever gives the Board
18 the most up-to-date data would be the interval,
19 would be advantageous for both of us.

20 MR. COURSON: I expect, you
21 know, one of the advantages of this is, we'll be
22 able to more level load instead of trying to do
23 800 vessels in a two-year period. It will be
24 spread out over, potentially, a six-year period.

25 And at least every two years, you

1 would get those two-year subsets to say, here is
2 what we've done in the last two years. Here is
3 the results, the acceptable. Here is the ones
4 that we've had issues with. And then you would
5 move into the next batch the next two years and
6 ongoing and -- as we extend those out.

7 MR. BAUGHMAN: I would like
8 those -- just for what it's worth too, it was sent
9 to us via email, but being able to have that in a
10 little binder --

11 MR. COURSON: Okay.

12 MR. BAUGHMAN: -- to be able to
13 review helps out a whole bunch.

14 MR. COURSON: We'll work on the
15 format. I was more worried about the content. I
16 knew as soon as I tried to send it or tried to
17 turn it into a PDF, that the format wasn't going
18 to be very user-friendly. So we will definitely
19 work on a more user-friendly format to get it to
20 you guys.

21 MR. BAUGHMAN: Great.

22 MR. HENRY: Again, this is just
23 for my personal knowledge. I know there was an
24 incident at your plant several years ago, and I'm
25 not familiar with any of the particulars of that,

1 and I don't know to what extent that incident
2 would have borne on what you're doing now in terms
3 of the inspections, but is there anything that you
4 learned from that particular incident that is
5 forming what you're doing now in terms of the
6 inspection?

7 MR. COURSON: Yes. Actually,
8 for that specific incident, it was around a
9 maintenance procedure that was done, and they were
10 tightening the bolts on a metal-to-graphite
11 component and cracked the graphite.

12 MR. HENRY: Okay.

13 MR. COURSON: Since that time,
14 we have redesigned that and gone to a metal PTFE
15 line section there and got rid of those graphite
16 connections to the piping systems there.

17 MR. HENRY: All right. That
18 helped. Thank you.

19 CHAIRMAN MORELOCK: What other
20 questions or comments does the Board have?

21 (No verbal response.)

22 CHAIRMAN MORELOCK: Hearing
23 none, do I have a motion?

24 MR. HENRY: I think you have a
25 motion.

1 MR. BAUGHMAN: So just to word
2 it right, motion to accept for a two-year
3 variance?

4 MR. LASHLEY: Biennial
5 reporting?

6 CHAIRMAN MORELOCK: Yes.

7 MR. BAUGHMAN: With biennial
8 reporting.

9 MR. COURSON: So just to be
10 clear, so this would be a variance that would be
11 renewed every two-years based on that biennial
12 reporting.

13 CHAIRMAN MORELOCK: Yes.

14 MR. COURSON: Would that be a
15 better way to word that?

16 CHAIRMAN MORELOCK: I think so.
17 Because we've got another -- a refinery, and they
18 report every 12 months. So unless they have --
19 their data shows that they need to inspect more
20 frequently. So as long as the two-year interval,
21 if your corrosion rates and all are falling in
22 line with that, then an every-two-years reporting
23 that would be fine.

24 Correct?

25 MR. LASHLEY: Yes, sir.

1 CHAIRMAN MORELOCK: Okay. Any
2 other questions or comments before I call for the
3 question?

4 (No verbal response.)

5 CHAIRMAN MORELOCK: All right.
6 All in favor say "aye."

7 (Affirmative response.)

8 CHAIRMAN MORELOCK: Opposed?

9 (No verbal response.)

10 CHAIRMAN MORELOCK: Abstentions,
11 not voting?

12 (No verbal response.)

13 CHAIRMAN MORELOCK: You have a
14 biennial reporting interval for this equipment.

15 MR. COURSON: Thank you, Board
16 members.

17 CHAIRMAN MORELOCK: Thank you.

18 MR. BAUGHMAN: Thank you, Steve.

19 It's a good discussion.

20 CHAIRMAN MORELOCK: It was a
21 good discussion.

22 All right. The next new business
23 item that we have is 23-06. Meharry Medical
24 College. And from what I understand, that item
25 has been tabled, correct?

1 MR. HICKERSON: Yes, sir.

2 CHAIRMAN MORELOCK: Okay. So it
3 takes us to Open Discussion Items. There is none.

4 And so as far as Board Case and
5 Interpretations, we have BC23-01. ECS Consulting,
6 LLC requests a Board Case addressing stop valves
7 to be used in the pressure relief systems of
8 thermal fluid heaters.

9 MR. HICKERSON: Excuse me,
10 Chairman.

11 CHAIRMAN MORELOCK: Yes.

12 MR. HICKERSON: There are going
13 to be a couple discussion items. It just wasn't
14 listed on there.

15 CHAIRMAN MORELOCK: What now?

16 MR. HICKERSON: There is a
17 couple open discussion items.

18 CHAIRMAN MORELOCK: Okay.

19 MR. HICKERSON: Mark Edwards has
20 one and then --

21 MR. BAUGHMAN: CO2 tank.

22 MR. HICKERSON: Yeah, CO2 tank.

23 CHAIRMAN MORELOCK: Well, it's
24 not on my agenda. We can put them on there.

25 MR. HENRY: Mr. Chairman, do we

1 need to amend the agenda based on that?

2 CHAIRMAN MORELOCK: Yes, we do.

3 So what items are we adding and what
4 are we adding them to?

5 MR. HICKERSON: This is just --
6 basically, this was a CO2 incident. It's kind of
7 outside of the boiler proper, but they wanted to
8 have it addressed. And he has an NBIC code to
9 reference.

10 CHAIRMAN MORELOCK: So, I mean,
11 is this a discussion item or an action item?

12 MR. HICKERSON: Just a
13 discussion item.

14 CHAIRMAN MORELOCK: Okay. All
15 right. All right. So that's CO2.

16 MR. LASHLEY: MAPCO?

17 MR. HICKERSON: Yes.

18 CHAIRMAN MORELOCK: MAPCO.

19 Okay.

20 MR. HICKERSON: And then I was
21 going to, if we had time, to discuss repair
22 licensee, what the expectation was on that.

23 CHAIRMAN MORELOCK: Okay. All
24 right. And repair licenses. Okay. All right.

25 MS. IRION: Mr. Chairman, the

1 information in front of you with the photographs
2 is for this open discussion item, that I placed by
3 you. That extra information that Micah has, that
4 is what this is for.

5 CHAIRMAN MORELOCK: Okay. All
6 right. I'll tell you what. Let's take a
7 10-minute break. I'm sure you would like to take
8 one. Let me get my agenda straightened up, and
9 we'll reconvene.

10 (Recess observed.)

11 CHAIRMAN MORELOCK: Okay. We'll
12 reconvene.

13 And we are going to work on some open
14 discussion items. The first will be the CO2.

15 MR. EDWARDS: And I'm assuming
16 that we have made the changes to the agenda to
17 allow for it?

18 MS. IRION: Yes.

19 CHAIRMAN MORELOCK: Yes.

20 MR. EDWARDS: Okay.

21 Mr. Chairman and the Board, thank you for allowing
22 me to visit with you today. My name is Mark
23 Edwards, and I'm with XXL Boiler & Property
24 Consulting.

25 And what I'm here to discuss is an

1 incident that occurred back in early August of
2 this year at a MAPCO convenience store. What had
3 happened is -- liquid carbon dioxide storage
4 vessel is how they're referred to in the NBIC. So
5 if -- from here, if we could call it a CO2 tank
6 for ease of conversation.

7 A CO2 tank and the associated syrup
8 rack was located inside a storage room. And their
9 office for this MAPCO is in this same little room.
10 One of their employees, what she was doing, I
11 didn't ask. How a leak occurred, I didn't ask.
12 But being in the same room and gas detection
13 system being in that room, when the alarm sounded,
14 the employee exited. And when she got out to the
15 main part of the convenience store, due to
16 inhalation, she had passed out and was taken to
17 the hospital, and they determined that it was CO2
18 engulfment that had caused the problem with the
19 young lady passing out.

20 And it was probably the next day or
21 two days later, I was at, again, another MAPCO.
22 Both of these, coincidentally, were in
23 Murfreesboro. But the second one, I walked in,
24 and the CO2 detection system was reading
25 2500 parts per million, which is below the

1 5000 parts per million threshold for the low-level
2 alarm. But because -- what we are typically
3 seeing is somewhere between 5- to 600 ppm indoors.
4 Any quick Google search will say that a thousand
5 is not out of the ordinary. So if I'm seeing 5-
6 to 600, I'll see that as normal.

7 But when I saw that reading, the door
8 to the same room, same kind of setup, was closed.
9 When I left the door open, you could visibly see
10 the levels going down. And it was slow, of
11 course, to happen, but closed the door back and
12 watched the levels go back up to about 2500.

13 I notified the store that you have an
14 indication of a leak, and we need to notify your
15 gas supplier and your vendor for your syrup rack
16 and, you know, the person responsible for that
17 maintenance.

18 They did come out the same day, found
19 a leak that was on the syrup rack. The most
20 common places that we're finding leaks to occur is
21 on these syrup racks at the little plastic
22 connections where the piping is on the pumps or
23 other kind of plastic connections. That's the
24 most common places that we're seeing leaks.

25 Now, I have seen several leaks on --

1 just, you know, listening to it. From an
2 inspection, you can hear it from the tank in some
3 cases. That's not normal. Again, the normal
4 location is on the syrup racks.

5 So my concern is where we are installing
6 the gas detection systems. National Board
7 Inspection Code that I printed out here for
8 everyone, supplement 3.4 addresses gas detection
9 systems. And it is followed up also in NBIC
10 Part 2 for a gas detection system in
11 Supplement 12.5. And they read exactly the same.

12 The first location that they're saying
13 that they shall be provided is in the room or area
14 where the container systems are filled and used.
15 And there's absolutely no one that I've spoke with
16 in the inspection industry that would say
17 otherwise.

18 And if we could look at the very first
19 picture there, what we're seeing is a typical
20 installation of where the CO2 tank is located. We
21 see on the bottom left of that is a little white
22 box with a blue face to it. And that is the
23 detector, the sensor. It's located, by code,
24 about 12 inches to the left of that tank, sitting
25 right beside it. Just a little to the left on the

1 wall.

2 Right there. Yes, ma'am. Thank you
3 very much.

4 As is indicated there, that sensor is
5 located in the proper location by what the code
6 addresses, that it's about 12 inches from the
7 floor, in the area where the tank is used and
8 filled. It's not uncommon for us to see --

9 Ma'am, if you wouldn't mind, to change
10 to the second picture.

11 And this is a syrup rack at that same
12 facility, where it's across the hall, in a
13 separate room. And there is no sensor located in
14 this room, which, while the same, is that this is
15 not an uncommon place for a leak to occur.

16 And this is where I come into the second
17 part of this. That's highlighted in both
18 Supplement 3 and Supplement 12, where it says,
19 "It's filled and used," comma, "and in areas where
20 the heavier-than-air gas can accumulate," comma,
21 "including below-grade, enclosed, or confined
22 space outdoor locations."

23 No one ever, that I've spoke with that
24 do an in-service inspection -- if there's a tank
25 located, say, at the top of the stairs, everyone's

1 general consensus is that the sensor must be
2 located at the bottom of the stairs, down in a
3 basement or a low-lying area, something of that
4 typical situation. But no one that I've spoke
5 with believes that this location, and specifically
6 in this example, where it should be located.

7 And in my opinion, I think that
8 situation where the young lady was working, also
9 in a MAPCO location, a couple days later where I
10 did see that there was a leak, I think we were
11 very fortunate to come across the leak itself,
12 that they were together and that this young lady
13 was able to exit the room without a fatality. And
14 luckily, the system, as designed, was operating
15 properly. She was able to exit before any, I
16 guess, more issues occurred.

17 So what I'm asking is -- maybe one other
18 area I would like for the -- you-all to consider
19 is installation in the system description. Again,
20 it does talk about the liquid carbon dioxide
21 beverage system, including the liquid carbon
22 dioxide storage vessel, parentheses, tank, and
23 associated subsystem circuits, dash, liquid carbon
24 dioxide-filled circuit, comma, and associated
25 subsystem circuits and pressure relief vent line

1 circuits.

2 So my question here that I'm asking for
3 you guys to consider is the NBIC Part 1 and Part 2
4 where it's addressing other areas from the tank
5 and the system description where it's talking
6 about other subcomponents, are we talking about
7 areas such as a separate room, these beverage,
8 these syrup racks? Because that's not a common --
9 that's not a place right now that's being
10 required, during in-service inspections, for a
11 sensor to be located. But I'm thinking that it
12 should be.

13 So, and I would certainly invite and ask
14 if you guys have any questions.

15 CHAIRMAN MORELOCK: Well, what I
16 would say is -- and Mr. Toth may help me get my
17 dates right. But there was a fatality in a
18 McDonald's in Arizona, I think. And there was a
19 fatality, and the National Board Inspection Code,
20 Gary Scribner, took it upon the NBIC to go
21 investigate that and see what happened and put
22 words into the NBIC to improve this situation.

23 So bringing it to the Board is great.
24 But my recommendation is you can participate in
25 the NBIC even as a visitor. Their next meeting

1 will be in Charlotte in January. And you can take
2 this and actually talk to the people who author
3 the book and share your -- what you're seeing.
4 And that could effect change to those paragraphs
5 that you have shared with us to help not just the
6 state of Tennessee but everybody that uses the
7 National Board Inspection Code.

8 MR. EDWARDS: Yes, sir.

9 CHAIRMAN MORELOCK: Or you could
10 reach out to Gary Scribner at the National Board
11 and talk to him or email him or whatever.

12 MR. EDWARDS: Yes, sir.

13 MR. TOTH: No, I agree.

14 Mr. Edwards and I discussed it before we came back
15 from break.

16 My recommendation would be to look
17 for an interpretation from NBIC as to the
18 subsection subsystems, get an understanding of
19 what that entails. I love the safety
20 consciousness that you have. I think this may be
21 a system that's outside of the scope. But I think
22 that's your first step, is to get that
23 interpretation.

24 Venus Newton serves with us on the
25 NBIC. He can put it forth and have it set up and

1 be addressed. If we feel like it's something
2 that's extremely needed before the January
3 meeting, you can always convince him to put in an
4 interpretation and do a letter ballot to the
5 membership, and -- if it's something that we feel
6 that it's pertinent to get done before January.

7 MR. EDWARDS: Yes, sir.

8 MR. MATUE: Branden Matue,
9 FM Global.

10 Would this be more of a fire marshal
11 issue? Because as a Nashville boiler inspector,
12 we're looking at vessels. We don't have to follow
13 out the whole CO2 lines and inspect everything in
14 the restaurant. That'd even go beyond our scope
15 or expertise, but it's far more to require a
16 marshal than as carbon monoxide detectors used to
17 be, years back, that'd be out of our wheelhouse.

18 MR. EDWARDS: I'm glad he asked
19 the question, because the same has been spoken to
20 me. And if the wording -- the way the National
21 Board Inspection Code and the way the
22 International Fire Codes are written is exactly
23 the same; where a gas detection system should be
24 used, it's exactly the same.

25 Their interpretation of how this is

1 written is that it is in more than one location.
2 And because it's written the exact same way is why
3 the question comes up to begin with. If our codes
4 are written exactly the same and they've got an
5 interpretation that it does include examples such
6 as this, then the way the National Board
7 Inspection Code -- if it was not intended for that
8 scope, then it's certainly written improperly. An
9 interpretation should be considered by the
10 National Board. And I certainly do not disagree
11 with that whatsoever, and it is the intention to
12 address that.

13 Mr. Toth and I also discussed that
14 there's two major suppliers of carbon dioxide that
15 we do inspections for. And I do roughly --
16 Ms. Irion receives all of those inspection reports
17 from me, and she issues the new tags for all of
18 these vessels that we see monthly. I do about 200
19 of these inspections per month.

20 CHAIRMAN MORELOCK: Wow.

21 MR. EDWARDS: And so between now
22 and the time that the National Board is going to
23 meet, I'll do roughly 800 more inspections. In
24 fact, I have about a dozen or 14 scheduled today
25 to take a look at, which is not uncommon, anywhere

1 from 14 to 16 when I'm doing carbon dioxide
2 inspections.

3 So we're looking at about a thousand
4 inspections that I'm doing alone. And that's
5 typical numbers with our other two inspectors that
6 are located in Memphis and Knoxville. So our
7 company alone, in the next four to five months,
8 will do about 3,000 inspections. The ratio of how
9 many are to this situation and how many of those
10 are together, I wouldn't have a clue how to give
11 you even a guess on that.

12 MR. LASHLEY: And these are the
13 ones that are mounted externally?

14 MR. EDWARDS: The tanks are
15 located outside?

16 MR. LASHLEY: Right.

17 MR. EDWARDS: Yes, sir. Yes,
18 sir. NBIC Part 1 does say -- and it uses the word
19 "should," that the tank should be installed
20 outside.

21 It's something Mr. Toth and I did
22 discuss as well, is that -- from my understanding
23 from talking to business owners, that there's some
24 municipalities that require the tank to be
25 installed indoors or that it can't be outside.

1 And how that municipality writes that particular
2 code, I don't know. We don't inspect to it. So I
3 wouldn't be able to address that at all.

4 But yes, there are plenty that are
5 outside. And I would say -- if I were to put kind
6 of a guess on that, I would say it's about 30,
7 maybe 40 percent. I'm looking at roughly two out
8 of every five is outside and probably three out of
9 five are inside installations.

10 MR. LASHLEY: Sounds about
11 right.

12 MR. EDWARDS: Yeah.

13 MR. BAUGHMAN: So presently, the
14 way the NBIC Part 1 is written, under S3.4 and
15 highlighted, is that a continuous gas detection
16 system shall be provided in the room or area where
17 container systems are filled or used and in areas
18 where the heavier-than-gas -- heavier-than-air gas
19 can accumulate.

20 So it's already written in code to
21 cover these areas, like the syrup or similar areas
22 because that is where -- an area that this gas can
23 accumulate. So it's not specific to being just at
24 the tank. It can be at areas that are found or
25 interpreted for it to accumulate. So that's

1 already in place. And the question then comes, is
2 how that's inspected and enforced, then; is that
3 correct?

4 MR. EDWARDS: I'm glad you asked
5 the question because that's my question.

6 I'm sorry. What was your name again?

7 MR. MATUE: Branden. Branden.

8 MR. EDWARDS: Branden from
9 Factory Mutual says with his statement --

10 And I don't want to put words in your
11 mouth. Please tell me if I'm wrong.

12 MR. MATUE: I just don't see the
13 point. I mean, I get what you're saying. We'll
14 be chasing around, inspecting the whole system
15 instead of the actual pressure vessel. We're
16 inspecting the system at that point, right?
17 Making sure they have the right sensors throughout
18 the system, the right alarms throughout the
19 different rooms that could have them.

20 And this would be something -- this
21 is small. What about a bigger facility? I mean,
22 at what point -- the National Board says we have
23 to do it. Just, to me, it seems like it's outside
24 the scope of a pressure vessel. You have an
25 actual fire marshal-type system.

1 MR. EDWARDS: And that's
2 exactly, I think, where the question just came
3 from, from --

4 Mr. Baughman?

5 MR. BAUGHMAN: Yes, sir.

6 MR. EDWARDS: I think that was
7 where his question was.

8 I believe, in my opinion, not my
9 interpretation but my opinion, and of course, my
10 opinion is why I'm here, is that if it was only
11 the tank, what you're talking about, if it was
12 only the tank, and anything other than that is
13 outside the scope, there should be a period there
14 instead of a comma, with the word "and" in areas
15 where heavier-than-air gas, comma, including
16 below-grade.

17 So I think when we have the comma
18 instead of a period, the "and" and then the word
19 "including," it means addition. It doesn't
20 mean -- and it doesn't stop at the tank. It's
21 just the way it's written.

22 And so when I go do these inspections
23 this afternoon, it's going to be under the premise
24 of what is the general consensus, is that as long
25 as they have that sensor located at that tank,

1 that's operational, and that it's located, you
2 know, 12 inches from the floor, typical to what we
3 saw, that I would say yes on could it be issued a
4 certificate.

5 It is in my heart that that answer
6 should be no, because of the comma, with addition
7 to the word "and." But as to not be someone
8 that's causing hate and discontent or someone
9 that's trying to set, I guess, code by inspection,
10 I think that would be wrong of me to do that, to
11 say no on those without other people having some
12 influence on that decision.

13 So my inclination, even today after
14 this meeting, without any other direction, I would
15 say this situation, I would say yes, that it could
16 have a certificate. But in my heart, I believe it
17 should be no.

18 And it all goes back to the reason.
19 If it wasn't for the way it was -- the code was
20 written in Part 1 and Part 2, to follow along with
21 International Fire Codes, and what their decision
22 is on where these sensing points should be
23 located, that a change needs to be made by the
24 NBIC, the National Board. But by reference, we've
25 adopted this code. And so, like I said, our

1 company alone has 3,000 inspections that's going
2 to occur before.

3 So gentlemen, I don't know how to
4 really -- other than to ask maybe for a
5 conversation, for a decision, and maybe to include
6 the Chief and Assistant Chief, deputy inspectors.
7 Other people, of course, including Mr. Toth.

8 MR. TOTH: If I may,
9 Mr. Chairman.

10 CHAIRMAN MORELOCK: Yes.

11 MR. TOTH: Again, I'm going to
12 reiterate. Your best course of action here would
13 be to bring that to the NBIC in the way of
14 interpretation, because that's the code that we
15 write. Okay? And you have a lot of individuals,
16 volunteers such as Mr. Morelock and myself, that
17 sit on those committees that will work diligently
18 to get an answer back.

19 We've got to also -- one other thing,
20 and I want to give you an example here. We
21 address carbon monoxide detectors as well in the
22 NBIC, which we've put into place here in
23 Tennessee. It would be the same kind of thing, of
24 saying, okay, well, we have a stack that runs
25 through multiple stories of a plant. Are we going

1 to have carbon monoxide detectors as -- you know,
2 go all three multiple stories? We wouldn't
3 because there's an area where the vessel is
4 located, is what the NBIC is looking at.

5 I agree with you about the verbiage
6 coming from another code. Have you had an
7 opportunity to go to a fire marshal and ask them
8 how they enforce that?

9 MR. EDWARDS: I did not. I can
10 tell you that based on what I'm seeing in our
11 normal inspections day to day, I do not believe it
12 to be addressed by any fire marshal, based on the
13 number of violations that we're seeing every day.

14 MR. TOTH: Interpretation is
15 your best bet, and I'll be more than happy to work
16 with you and work with Venus and get a resolution
17 for that.

18 MR. EDWARDS: Okay.

19 CHAIRMAN MORELOCK: Yes.

20 MR. BAUGHMAN: So for
21 discussion, that takes a period of time for that
22 to occur, and what we've got is a code that's
23 written and adopted presently, and the verbiage is
24 in front of us, and the last thing we want is to
25 have a death or injury on our watch.

1 MR. EDWARDS: Yes, sir.

2 MR. BAUGHMAN: That's the whole
3 reason why we're here, is safety.

4 And so my question for discussion,
5 then, comes up, is, what do we do in the meantime
6 that this interpretation gets addressed and
7 written and talked about, voted on and so forth?
8 As we've got it, you've already encountered
9 incidences, so we know that that potential exists.

10

11 So instead of kicking the can around
12 and going, well, is it between us or is it between
13 a fire marshal, what should we do in the meantime
14 to address this immediate issue until some other
15 resolution comes about? I just don't want to -- I
16 don't want to leave that potential for injury or
17 death to be out there because we're waiting on a
18 change of a comma or a period.

19 MR. EDWARDS: Thank you. Yes,
20 sir. Thank you. And that's what I'm kind of
21 asking of the Board.

22 MR. BAUGHMAN: Okay.

23 MR. HENRY: Mr. Edwards, first
24 of all, I applaud you for bringing this to our
25 attention. In my mind --

1 And Mr. Toth, with all due respect,
2 the wording is already clear about what should be
3 done.

4 I agree with you. You should answer
5 no, as far as giving the approval on these things.
6 It's in black and white already.

7 Now, what's going to happen is you're
8 going to get pushback from the people that -- who
9 don't get their licenses in this particular case,
10 and that will be a vehicle to bring this to the
11 surface and, hopefully, get a resolution that's an
12 issue what standpoint is -- will hold. But you've
13 got the -- in my opinion, you've got the
14 ammunition right now to do what you already know
15 is the right course of action.

16 MR. EDWARDS: Yes, sir. And I
17 appreciate you saying so. To believe -- and I
18 don't know. Maybe the word -- I don't want to use
19 the word "ammunition." But to have a written
20 code -- I also want to make sure that I have the
21 support of the Boiler Board as well as the Chief
22 before those kind of recommendations are made.

23 MR. HENRY: Well, I guess I
24 would come from the standpoint of I'd want
25 somebody to explain to me, how it's currently

1 worded would mean that you don't have to address
2 that. Because I don't see it.

3 MR. EDWARDS: Yes, sir. Thank
4 you.

5 MR. LASHLEY: And I'll add and
6 kind of piggy-back on Mr. Henry's comments is, you
7 know, as -- coming from the insurance side, if I
8 were to see this recommendation, violation,
9 however you issued it, I would stand behind it as
10 well, strictly from your position with insurance.
11 You know, you can go in and also, you know, add
12 good engineering practices on top of what you're
13 seeing.

14 MR. EDWARDS: Thank you.

15 MR. HENRY: Mr. Chairman, I
16 don't know if this is appropriate or not, but
17 could we take a vote on the sentiment of the Board
18 in terms of -- I'm not sure quite how to word
19 this, but in support of Mr. Edwards' position?

20 CHAIRMAN MORELOCK: I think
21 that's possible. But I think what you said in
22 your beginning statement is the words are already
23 there to empower you to do your job. And so if
24 you're getting pushback, then you come back and
25 say, well, you know, you are not following what is

1 recommended or required in the NBIC. And we adopt
2 the NBIC, so you're violating Tennessee law when
3 you don't use it.

4 MR. BAUGHMAN: One other comment
5 I would make, and it kind of gets back to
6 Mr. Matue's, is -- so this is a fairly
7 black-and-white type of scenario, tanks in one
8 room, syrup rack in another, versus somewhere
9 where it travels some distance, whether it be in a
10 factory or be in a hospital environment, whatever
11 it may be, that gets beyond, necessarily, the
12 expertise of the inspector also to determine where
13 these areas of congregation may be of these gases.

14 And so at some point, recommendation
15 then comes of having an analysis done by a
16 competent individual or company to determine where
17 these points of contention may exist. But, you
18 know, once those are identified, then it's easy
19 enough to go through and hit those points of
20 inspection versus asking an inspector to track the
21 whole system down. That's not able to be done.

22 So where those systems exist, that go
23 through multiple areas, I think that it's within
24 the realm of the inspector or the company to ask
25 for somebody to do an analysis to be able to

1 identify these points. But as Mr. Henry had said,
2 and Mr. Lashley, the wording is already there.

3 MR. HENRY: My concern is that
4 if there is a general practice that does not
5 adhere to the wording right now, that if
6 Mr. Edwards tries to enforce that on his own, he's
7 going to suffer consequences related to that from,
8 amongst others, the wrath of some of these
9 convenience store owners who aren't going to be
10 given permission to.

11 MR. MAY: But aren't you saying
12 there's offices that's where the employees take a
13 break and, you know, there's closed rooms as well?

14 MR. EDWARDS: Yes.

15 MR. MAY: Needs to be addressed
16 under the word "safety." You need to push back on
17 those.

18 MR. HENRY: I'm just suggesting
19 that maybe a vote to -- just to indicate that we
20 support Mr. Edwards' interpretation of this could
21 help him in some circumstances where he may be
22 unfairly penalized for doing his job.

23 CHAIRMAN MORELOCK: Yes, sir.

24 MR. MATUE: So as an inspector,
25 we need to clarify. So these factories, they're

1 all going to have violations. I mean, they're all
2 going to have them. So we don't withhold permits
3 and all of that, the things that they have until
4 they can do these analyses, because these are like
5 little gas stations. Like, you're talking about
6 big hospitals, big factories that we inspect.
7 They have direct violations; do an analysis on it.
8 If the Board wants us to do it, that's great. I
9 just have to know that's where we want to be with
10 it, if that makes sense.

11 CHAIRMAN MORELOCK: Mr. Toth.

12 MR. TOTH: One of the things --
13 when we created the installation permit
14 application, we took into consideration vessels of
15 lethal service. Something that the Board can
16 consider is categorizing these as something of
17 lethal service, and where they're required to put
18 in a permit and identify the location within the
19 facility, and the Chief Inspector or his designee
20 could dictate that it's in an unsafe condition,
21 such as an office occupied, so on, so forth.
22 Again, you're going to go down a rabbit hole if we
23 start asking -- you start asking inspectors to
24 chase down CO2 lines.

25 MR. EDWARDS: I don't disagree.

1 MR. TOTH: So that's -- you
2 know, that's a thought there about the permitting.

3 MR. EDWARDS: I don't disagree
4 at all. I think it is going to be --

5 MR. TOTH: Huh?

6 MR. EDWARDS: I don't disagree
7 at all. I think it is going to be an industry
8 kind of hardship. I think the majority of the
9 systems that we're seeing, though, is the smaller
10 applications. Of course, every hospital is going
11 to have these systems. Other, manufacturing, they
12 use these kind of systems.

13 And I understand that -- I also think
14 that the way it's written, we're not addressing,
15 even in code, every inch of piping that's
16 throughout the facility. It's where the points of
17 where the leak could occur with accumulation of
18 gas heavier than air.

19 And it's going to -- it will make
20 sense to put a sensor at that particular location.
21 To put a sensor when something is run through the
22 overhead. Even in these restaurant facilities,
23 putting a sensor inside a ceiling. That question
24 has been asked to me as well.

25 I do think it's outside the scope of

1 our inspection, but I also believe that if there
2 is a leak in that piping, that we're going to see
3 it where it's going to be monitored at a location
4 such as that syrup rack and at the tank itself.

5 CHAIRMAN MORELOCK: Mr. Toth.

6 MR. TOTH: Can I get one -- and
7 I'm sorry for discussing this, but during my
8 tenure as Chief Inspector, we did have an incident
9 of one of these units leaking. It was in the
10 state of Tennessee, but it was in a restaurant.
11 The leak then caused an accumulation in a
12 restroom. And in that restroom, that's when they
13 found individuals that had succumbed and died. So
14 take that into consideration when we start
15 thinking about where you're going to be putting
16 detectors.

17 MR. EDWARDS: Was a gas
18 detection system used with that --

19 MR. TOTH: Well, now, let's
20 remember, this was my tenure.

21 MR. EDWARDS: Yes, sir.

22 MR. TOTH: I left the Chief
23 Inspector back in 2008 and we had just started
24 inspecting these things.

25 CHAIRMAN MORELOCK: Right.

1 MR. TOTH: So there was no
2 detector requirements at that time. But remember,
3 we're talking about, it accumulated in a bathroom.

4 MR. EDWARDS: Yes, sir.

5 MR. TOTH: Not where the vessel
6 was located at.

7 CHAIRMAN MORELOCK: Right.

8 MR. EDWARDS: And I'm aware of
9 this particular incident. If the detection system
10 wasn't used, I'm under the assumption that it
11 would have been used to today's code. Would it
12 have been --

13 MR. TOTH: I don't know.

14 MR. EDWARDS: Exactly.

15 MR. TOTH: But it accumulated in
16 the restroom.

17 MR. EDWARDS: Where did the leak
18 propagate?

19 MR. TOTH: In the piping, going
20 through the ceiling. The design went through the
21 ceiling, across, into the restaurant and went into
22 the serve stations. So it's completely in a
23 different direction because it was retrofit. So
24 then it leaked. There's a leak in the line and
25 the connection went down, went into the restroom

1 that was closed up, accumulated in the restroom.
2 Individual went in there and succumbed.

3 CHAIRMAN MORELOCK: And I don't
4 know if it would be helpful, but the Chemical
5 Safety Board, they investigate such things, and
6 then they publish information, even a reenactment
7 of what happened. And I'm pretty sure there's one
8 in there that was a convenience store where the
9 CO2 tanks were just right outside a part of the
10 store and CO2 got into the store. I don't know if
11 that resource would help educate the people that
12 you're inspecting.

13 And while you're asking this, along
14 with you've got black-and-white words that say you
15 need to do this, and you've got the force of the
16 State of Tennessee, they adopt ASME and National
17 Board, so you've got that at your -- you know, to
18 make your point. Not to, you know, put somebody
19 in financial hardship or whatever. You're saving
20 people's lives, and that's why it's in there.

21 MR. EDWARDS: The cost of the
22 sensor is over \$200, under \$300. The cost of a
23 full system, we're seeing at about \$600, \$595,
24 depending on the system and what it has associated
25 with it. And that's from three different

1 companies that we're seeing their systems used in
2 the majority of the places that I go to. I'll say
3 probably in excess of 95 percent of seeing three
4 different detection systems. The little sensor,
5 that's -- it's under \$300, like I'm saying.

6 MR. BAUGHMAN: So let's say that
7 you go out and write up a violation. You give
8 them X amount of time to correct that violation.
9 If there's a leak, that gets addressed
10 immediately. There's no wait time since it could
11 cause death or injury. What's the lead time on
12 these devices? How readily available are they?

13 I guess what I'm getting at, if you
14 write a violation, you say you've got to take care
15 of it within a four-week period of time. Are
16 these available within that? And I don't know.

17 MR. EDWARDS: They are. If --
18 the two major suppliers that we inspect for, they
19 have those on hand, and they've installed more
20 than I can count of these systems all the time.

21 MR. BAUGHMAN: Okay.

22 MR. MATUE: What about survey?
23 Is there a company that do surveys and stuff,
24 because it would include that too. The survey
25 times to see what they need, when they need, for

1 exempt. I know we're talking about a little gas
2 station, but I do a lot of factories. And so the
3 violation, it's going to take a lot of time to go
4 through that whole system and -- which is fine,
5 but is there a company that are -- is there a list
6 of companies that come out and do that for them,
7 asking for that, a list of companies that will
8 come out and do that, surveys for them?

9 MR. EDWARDS: That, I don't
10 know.

11 MS. XIXIS: And that's my
12 question. Have you talked to the Grocers
13 Association, Convenience Store Association, and
14 the Hospitality Association? Because most of
15 these people do not own this equipment either.
16 They rent it and have maintenance plans, and those
17 folks are supposed to be checking for the hosing
18 and all the different compartments where there's
19 other leak opportunities. So I wonder if there's
20 not part of a bigger conversation here that we're
21 missing. Because I think all those folks would
22 want to protect their employees.

23 MR. EDWARDS: She's correct.
24 The majority of the people that we are inspecting,
25 again, they are convenience stores, restaurants,

1 that kind of -- and because the tanks are owned
2 not by the facility; they're owned by the gas
3 supplier, we're doing the inspection for the gas
4 supplier. And the certificates, everything,
5 recommendations, go to the gas supplier. Because
6 of the way code is written, the -- of who owns the
7 equipment, the inspection recommendations,
8 violations, all of that, goes to the supplier.

9 Now, if we were inspecting for, let's
10 say, ABC Convenience Store, if we're doing the
11 inspection for ABC Convenience Store or one of the
12 manufacturing facilities that you mentioned, now
13 the inspection is for that particular customer,
14 and my recommendations or violations would go to
15 that particular customer, again, because that's
16 the way the NBIC is written. We have to provide
17 the communication and violations to whom our
18 customer is.

19 And the Grocers Association and these
20 people that you're talking about, she's correct.
21 And it's usually by contract, that the gas
22 supplier or the end user --

23 MS. XIXIS: Either IWC or
24 whether it's, you know, one of the big soda
25 companies, that they actually own the equipment

1 and do all the maintenance and have contracts with
2 all these folks. So there's some contractual
3 issues as well, I would think, that are -- need to
4 be reviewed as a part of this before you-all make
5 a decision.

6 MR. EDWARDS: And I can
7 appreciate exactly what you're saying. By code.
8 The conversation, recommendations, violations,
9 everything, by code, has to go to whom we're doing
10 the inspections for. And if we are doing the
11 inspections for ABC gas station, then it would
12 make valid exactly what she's saying. I don't do
13 the inspections for those people. I don't even
14 know the numbers of these particular locations
15 that own their own. Their -- ma'am?

16 MS. XIXIS: I would say there's
17 half a million soda machines out there easily.

18 MR. EDWARDS: Oh, I don't doubt
19 that at all.

20 Now, the difference is, a lot of
21 these places may be using the DOT-style CO2 tanks
22 as well that's outside the bulk storage. There's
23 a lot of places that I go to that -- I go to do a
24 reinspection of a bulk storage tank similar to
25 what we see there, and they've removed that

1 because of inspection requirements and they
2 started using the small DOT-style cylinders that
3 we see all over the place.

4 MR. BAUGHMAN: Which are exempt;
5 is that correct?

6 MR. HICKERSON: Yes.

7 MR. EDWARDS: They are exempt.

8 MR. BAUGHMAN: But the syrup
9 rack, it would still -- well, again, so you still
10 have -- those tanks are exempt, but the code still
11 relates to any other place, as far as the NBIC and
12 that supplement under the -- and in areas where
13 heavier-than-air gas can accumulate. So it
14 doesn't exempt, necessarily, that sensor being
15 installed somewhere else outside of the tank
16 location.

17 MR. EDWARDS: If one of them is
18 using the DOT-style tank, I do think it -- well, I
19 know for a fact at that point, my inspection is
20 complete because I'm not doing an inspection for
21 the facility. I'm doing the inspection for -- and
22 I'll go ahead and say it. It's NuCO and Aerogas.
23 I'll be specific on that. I'm doing the
24 inspections for them.

25 There's other large suppliers in the

1 area. We have Volunteer Welding that does quite a
2 few CO2 tanks as well. So if they're using the
3 DOT-style cylinders, it's outside our inspection
4 scope.

5 CHAIRMAN MORELOCK: Mr. Herrod?

6 MR. HERROD: Yeah. I'm going to
7 suggest that we -- if you give us time, the Boiler
8 Unit time to make some contacts with the various
9 agencies, departments, people involved in this,
10 and perhaps have a subcommittee meeting here in a
11 couple three weeks, maybe next month.

12 CHAIRMAN MORELOCK: Okay.

13 MR. HERROD: And then get all --
14 this open discussion is going to be open for a
15 while here, I think, unless we get some real
16 clarification. So if you give us time to sort
17 that out, and we can see about a subcommittee
18 meeting. Would that be good?

19 CHAIRMAN MORELOCK: And while
20 you're gathering data, the National Board has a
21 form for all the chiefs. And you can poll the
22 other chiefs in the other states and see what --
23 you know, are they wrestling with this as well?
24 And if they're not, you know, what have they done
25 to be successful for compliance? Get some

1 information to bring to the table for the Boiler
2 Unit as well.

3 MR. HERROD: Okay.

4 MR. EDWARDS: If I could ask, if
5 that's going to happen, the conversations that
6 I've had with some people, they've not looked at
7 the code and read the code while we've had the
8 conversation.

9 What's typical is that when you ask
10 for that conversation, they'll have that
11 conversation based on, well, I remember I was on
12 that committee or that's not what -- the spirit of
13 what we were trying to do.

14 And if someone's recollection of
15 spirit or what they believe the intent was, it's
16 got to be what's written in black and white. So
17 the conversation must be -- in my opinion, the
18 conversation must be what's written.

19 MR. HERROD: Yes, sir. That's
20 what we'll do. We'll make sure it's code, exactly
21 what's in black and white, what other
22 jurisdictions are doing throughout the country,
23 have done.

24 CHAIRMAN MORELOCK: And the
25 thing is, these documents are living documents. I

1 mean, they're always being revised and updated.
2 And so -- and you can attend these meetings as a
3 visitor. You can submit an interpretation. You
4 can write those paragraphs and say, I think this
5 ought to be added to it. And that's what Mr. Toth
6 was recommending. And you send that in to
7 National Board as a request for interpretation.
8 Or a revision to that paragraph, and they will
9 take that and review that.

10 MR. EDWARDS: Yes, sir.

11 CHAIRMAN MORELOCK: So, but I
12 really like what Mr. Henry brought to the table,
13 is that you have the words you need to enforce
14 that today. And if people want to dispute that, I
15 mean, they can do that, but at the end of the day,
16 it's black and white. You have -- you're
17 empowered to use that to make that safe for
18 people.

19 And then if you get pushback, you
20 know, I don't know -- I mean, all we can do is
21 just utilize the words that we have. Sure, I'm
22 sure they could be written better, but that's an
23 ongoing consensus process to make that -- those
24 codes and standards better.

25 MR. EDWARDS: Yes, sir.

1 CHAIRMAN MORELOCK: And so, I
2 mean, if I was you, if you've got something
3 enforceable today, enforce it. They may not like
4 it, but you're doing your job.

5 And if it gets elevated, it's going
6 to come to the standpoint, the State of Tennessee
7 has adopted these, and these documents, ASME and
8 National Board, are just good technical
9 information until a state or a province says, hey,
10 we're going to write this into our law. Then it
11 has teeth. It's got consequences if you don't
12 follow it. And you've got that here in Tennessee.

13 MR. EDWARDS: Yes, sir.

14 MR. BAUGHMAN: And the liability
15 also of, if you don't enforce what's in writing,
16 and there is an injury or death, somebody comes
17 back and says, why wasn't this addressed? Why
18 didn't you, the inspector, anybody, bring this up
19 to our attention? You know, and let alone, we all
20 want to sleep well at night and know that we've
21 done what we can for our fellow brothers and
22 sisters, so...

23 MR. EDWARDS: Gentlemen, I
24 really appreciate you taking the time to hear
25 everything, and your conversation and comments.

1 Thank you very much.

2 MR. HENRY: Thank you.

3 CHAIRMAN MORELOCK: Thank you
4 for bringing it to the Board.

5 MR. HENRY: Appreciate it.

6 MR. HICKERSON: I've got one
7 quick question, Chairman.

8 CHAIRMAN MORELOCK: Yes, sir.

9 MR. HICKERSON: With that being
10 said, about you wanting to have a company come in
11 to say where the accumulation could be, in the
12 meantime, until something is decided, could it be,
13 you know, inspector discretion to say, at the end
14 of the line, at the syrup tanks, that's where it
15 needs to be, something along those lines as well?

16 CHAIRMAN MORELOCK: I mean,
17 you've got the words to do that, yeah. I mean,
18 you-all have -- you-all could pick that book up
19 and use it. It's not just exclusive to a
20 commissioned inspector.

21 MR. HENRY: I think to your
22 point, there are some -- in the example,
23 Mr. Edwards just brought it to our attention --
24 are so obvious that I don't think anybody would
25 question it.

1 CHAIRMAN MORELOCK: Right.

2 Right.

3 MR. HENRY: Now, there may be
4 other areas where, as Mr. Toth pointed out, it's
5 less obvious. There may be some study required,
6 and then you take that into account when you're
7 doing your evaluation. But this is black and
8 white. Nobody can argue with this.

9 CHAIRMAN MORELOCK: Well, I
10 mean, it's just -- you know, a few years ago,
11 there was a big push to change your fire detectors
12 and CO monitors in your house. And I did. I
13 mean, my family is important. So I've got CO
14 monitors and 10-year smoke detectors in my house.

15 And so this is kind of a similar
16 thing. I mean, you've got black-and-white words.
17 You're doing your job. And, you know, if it's
18 cost or whatever, safety, you know, comes before
19 all that. So if you're not comfortable with it,
20 then say, you know, this is not acceptable.

21 I'm not saying that's easy. I know
22 you're going to be -- that creates a lot of
23 pressure.

24 MR. EDWARDS: Right. Yes, sir.
25 It does.

1 CHAIRMAN MORELOCK: It does. It
2 does.

3 MR. EDWARDS: Thank you.

4 MR. BAUGHMAN: It's the right
5 thing to do.

6 CHAIRMAN MORELOCK: It is. It
7 is.

8 MR. BAUGHMAN: Thank you,
9 Mr. Edwards.

10 CHAIRMAN MORELOCK: Good
11 discussion.

12 MR. BAUGHMAN: It was a good
13 discussion.

14 CHAIRMAN MORELOCK: Okay. Let's
15 see. Repair license.

16 MR. HICKERSON: Are you ready,
17 Chairman?

18 CHAIRMAN MORELOCK: Yes, sir.

19 MR. HICKERSON: So what I was
20 going to have an open discussion about is, for me,
21 there was a lot of confusion on what's to be
22 expected with a repair license; you know, being
23 brand new repair license, renewals, emergency
24 cases, and such forth. And so I was just trying
25 to see what the expectation was, what they need to

1 look forward to from here forward, just so
2 everybody is on the same page with it.

3 I do know, for example, after the
4 agenda was created, there was a new license that
5 was put in, but he wouldn't have been able to be
6 here today because of that.

7 CHAIRMAN MORELOCK: Well, we
8 used to have -- the Chair used to sign these. And
9 I'll sign this one today because that's what we've
10 agreed to do, or initial it. And I'll have to do
11 some -- dig through the minutes, but there was an
12 action taken to let the Boiler Unit handle that
13 initial because the Board only meets quarterly.

14 And so then we stopped doing that,
15 and now we're doing it again. Do I mind doing
16 that? Not a bit. I don't have a problem with
17 that. But if tomorrow somebody needs one, they're
18 going to have to wait until December to get it
19 approved. So I'm not opposed of the Boiler Unit
20 having what they need to initial that. I'm not
21 against it because it's just not practical for
22 somebody to have to maybe wait a quarter of the
23 year to get that signed off.

24 So like I said, we did initial them
25 years ago. Then we went away from it and let the

1 Boiler Unit handle that. And then here of late,
2 there was a push to have us to -- you know, we can
3 read them, but there's a lot of ways we can skin
4 this cat.

5 And so it could be something simple
6 as, as you get one -- and Mr. Bailey can make sure
7 I don't step over my bounds here. But we can have
8 a called board meeting just for that and voice our
9 approval of that, and then let the Boiler Unit
10 initial it if it's going to be a hardship for them
11 to wait until the next board meeting.

12 Mr. Toth?

13 MR. TOTH: Just to give my
14 two cents on this. As you said, years ago, how we
15 used to handle it. Emergency issuance is not a
16 new thing.

17 CHAIRMAN MORELOCK: Right.

18 MR. TOTH: We did it back during
19 my tenure. Mostly, what it was, is the Chief
20 inspector receives the application, verifies that
21 they have the applicable certificate of
22 authorization from either the ASME or National
23 Board, make sure that we have a copy of the
24 quality control manual on file.

25 And if it's a situation where they

1 have a repair coming up that is an emergency
2 situation, the Chief gives that tentative
3 approval, and then it becomes formal when we
4 presented it. And when it was presented -- the
5 application didn't go out with the regular packet.
6 Okay? It was presented at the meeting. And the
7 board members would just simply flip through it,
8 take a look, because they entrusted the fact that
9 the Chief Inspector had looked at it.

10 I've been wondering over the years,
11 as an attendee, that I had not seen licenses, but
12 now it makes sense how you've been handling it,
13 so...

14 And also, the applicant usually never
15 came to the meeting, if you recall.

16 CHAIRMAN MORELOCK: That's true.

17 MR. TOTH: Yeah, so...

18 MR. BAUGHMAN: So as an
19 application would come in, and if it's not coming
20 before the Board, it would come in to the Boiler
21 Unit. Then it's the responsibility, then, for
22 that to go through the Chief's desk, come across
23 the Chief, have him look at it, or Chief's
24 designee, I would take it. But ultimately, the
25 Chief is the one that's looking at this, since

1 it's technical-oriented and so forth; is that
2 right?

3 MR. HICKERSON: Right.

4 MR. BAUGHMAN: Okay. So that's
5 the -- and I'm just getting in my mind the
6 protocol because I don't know the protocol.

7 MR. TOTH: And Mr. Baughman,
8 that's a really good point. And the reason it
9 came back to the Board is because, at that time,
10 it possessed the signature of the Chairman. And
11 so in that case there, the Board saw it because it
12 had the Chairman's signature. Again, I'm not
13 privy to if that has since changed. That's just
14 kind of one of the reasons why it was presented --

15 MR. BAUGHMAN: Okay.

16 MR. TOTH: -- back then.

17 MR. BAUGHMAN: So I guess my
18 question would be, coming up, if we don't have a
19 sitting chief and we've got something that comes
20 up, then what would be the protocol, just for my
21 own end of things?

22 MR. HERROD: We'll have an
23 acting chief.

24 MR. BAUGHMAN: We'll have an
25 acting chief. Okay. So just as long as -- I'm

1 just trying to get my mind how things would go
2 along that line. Okay.

3 MR. HICKERSON: And I would
4 assume, if he was out of office, then it would be
5 the next commissioned inspector.

6 MR. BAUGHMAN: Okay.

7 MR. HICKERSON: You know, his
8 designee.

9 MR. BAUGHMAN: Okay. All right.
10 I understand. Thank you.

11 CHAIRMAN MORELOCK: Okay.

12 MR. BAUGHMAN: Makes sense.

13 MS. IRION: If I can speak --

14 CHAIRMAN MORELOCK: Yes.

15 MS. IRION: -- from the admin
16 side of the repair licenses.

17 Previously, we would -- if we got a
18 new repair license, we would just give it to our
19 chief, and he looked through them; yes, no.

20 As being part of the admin staff,
21 Mia-Lyn as well, we know what to look for. We
22 don't know the technical ins and outs of it, but
23 we know, hey, if they marked this, it has to have
24 an R-stamp. If they marked this, it has to have,
25 you know, ASME certifications. We know that it

1 has to have a QC manual on file, that type of
2 thing. So it was kind of put in our hands,
3 especially -- renewals, we know what it is. You
4 pay your fee. We're putting it through.

5 As far as the new ones, the Chief
6 would look at them. We did not present these to
7 the Board. Honestly, presenting them to the Board
8 requires a lot more time and effort on our side
9 and on your side. So without a -- I guess I'm
10 just trying to figure out the best way to get
11 these through for our customer's sake, for our
12 admin's sake, and for the Board's sake as well,
13 that we're putting them through efficiently.

14 Because like this, it takes -- we've
15 had a couple of different times now where we had
16 to actually send our customer's check back to
17 them. They've sent in their information with
18 their fee and now -- we can't hold on to money,
19 per the state guidelines. We can't hold on to
20 checks.

21 So now, for example, this -- these
22 folks that are here today have paid, but now we
23 have to send that money back to them. Now it
24 takes another time for them to send us money again
25 before we can process.

1 So I just kind of wanted to give you
2 our -- the admin side of it that you don't
3 normally see. So it can create a burden to our
4 customers, for all of this waiting time.

5 MR. HICKERSON: And what I've
6 done since then is I review all the renewals and
7 approve them. Because with TCA, it does say any
8 application goes through the Chief or the Chief's
9 designee.

10 MR. BAUGHMAN: New or renewal?

11 MR. HICKERSON: It doesn't
12 specify. It just says application process.

13 MR. BAUGHMAN: So by TCA, that's
14 required, that it goes through the Chief's hands
15 or his designee. Okay.

16 MR. HICKERSON: Which, in my
17 opinion, you know, with the QC manual, you know,
18 commissions from National Board, it would have to
19 be a commissioned inspector, from my opinion.
20 Now, that may be subject to everybody else's.

21 MR. BAUGHMAN: Okay.

22 CHAIRMAN MORELOCK: I don't have
23 an issue with that.

24 MR. BAUGHMAN: And I understand
25 that that's a lot of paperwork going through, but

1 the protocol is the protocol, especially where
2 it's technical-oriented within our industry. I
3 think that that's a valid protocol for it to be
4 going down.

5 MS. IRION: Could we send that
6 information as we receive it, in an email to you
7 guys so it's not a board -- I mean, it's not a
8 meeting situation? Like, let's say next week we
9 got two in. We email it over to you guys, and you
10 can approve that without, technically, the
11 meeting? Is that something that can happen or no?

12 MR. LASHLEY: That's a
13 Mr. Bailey question.

14 MR. HICKERSON: Are you talking
15 about renewals or brand new ones?

16 MS. IRION: I'm talking about
17 any of them.

18 MR. HICKERSON: Well, renewals
19 will go through the Chief, not the Board.

20 MS. IRION: Right. But like the
21 new ones, does it have to be in a meeting
22 situation? Can it be just an email to our board
23 members, and then they can just approve that at
24 any point, not technically in this setting?

25 MR. HENRY: Just for my benefit,

1 do our rules require board approval right now for
2 him, repair licenses?

3 CHAIRMAN MORELOCK: Well, it was
4 then, and then -- it was handled by the Boiler
5 Unit, and now it's back to me initialing,
6 initializing an approved repair license.

7 So like the one we voted today, I'm
8 going to initial that before I leave here today.

9 MR. HENRY: I guess, just for --

10 CHAIRMAN MORELOCK: Yes.

11 MR. TOTH: I'm sorry. So as
12 part of the issue that you're running into is the
13 statute, and the statute, 68-122-102, specifically
14 states that the license will be issued by the
15 Board of Boiler Rules. And I think that's why
16 it's always been one that's been presented to the
17 Board.

18 Now, you can write Board Cases and
19 Board Interpretation -- Mr. Bailey can back me up
20 on this or tell me I'm off. You can write cases
21 and interpretations based on a rule. You cannot
22 write cases and interpretations based on the law.

23 CHAIRMAN MORELOCK: That's
24 correct.

25 MR. TOTH: So I'm -- that's just

1 straight from the law. So take it as you may.

2 CHAIRMAN MORELOCK: And I
3 don't -- like I said, we would have to dig through
4 the old minutes to see what was voted to -- where
5 the Board Chair did not have to initial those,
6 initialize those. I don't know what was done
7 to -- where it just was the Boiler Unit only. I'm
8 sure it's in the minutes somewhere where we can
9 find it.

10 MR. BAUGHMAN: So the comment
11 was made that maybe it could be if there's an
12 emergency. And, really, it comes down to
13 emergency. Otherwise, it may be standard protocol
14 to come to the quarterly meeting and review and
15 accept these or deny them, as it may be. And if
16 there's something that comes up, an emergency
17 situation, deal with it in an email or, you
18 know --

19 CHAIRMAN MORELOCK: Teams
20 meeting.

21 MR. BAUGHMAN: Teams meeting.
22 Exactly. Thank you.

23 But yeah. Ultimately, I think the
24 protocol is already set in place for how those get
25 reviewed, looked at, disseminated, signed off on.

1 If there's minutes to validate what was voted on
2 previously, we can investigate that, find out.

3 But without that being in place right
4 now, or at least without us having that knowledge,
5 then we go with the standard protocol of what
6 you've got, I think.

7 MR. HERROD: Mr. Chairman, I
8 think we'll dig through the minutes. We'll find
9 it.

10 CHAIRMAN MORELOCK: Okay.

11 MR. HERROD: We'll clean this
12 up, because this is so simple to fix. It's
13 just -- I don't know why we can't fix it and keep
14 it fixed. But we'll find the minutes. We'll find
15 it and interpret what was said, either you or the
16 previous chairman, and get this thing nailed down.
17 Okay?

18 CHAIRMAN MORELOCK: Yeah. Okay.

19 MR. HERROD: All right.

20 MR. BAUGHMAN: Sounds good.

21 CHAIRMAN MORELOCK: But since
22 we're in the expiration, I will initial this one
23 today before I leave.

24 All right. Anything else?

25 (No verbal response.)

1 CHAIRMAN MORELOCK: Hearing
2 none, I'm going to go to Upcoming 2023 Scheduled
3 Quarterly Meetings.

4 MR. BAUGHMAN: We've got the
5 Board Case.

6 CHAIRMAN MORELOCK: Oh, a Board
7 Case. All right.

8 MR. TOTH: Or you can just agree
9 with everything I put in it and we can go.

10 MR. BAUGHMAN: We make a motion
11 to deny that request by Mr. Toth.

12 CHAIRMAN MORELOCK: Board cases.
13 Okay. Yeah. Sorry. I'm looking right at it.
14 You're right.

15 MR. TOTH: I tried.

16 CHAIRMAN MORELOCK: So yeah.
17 We're getting ready to look at BC23-01. ECS
18 Consulting, LLC requests a Board Case addressing
19 stop valves to be used in the pressure relief
20 systems of thermal fluid heaters.

21 So Mr. Toth, take it away.

22 MR. TOTH: Thank you,
23 Mr. Chairman and Members of the Board. Again, my
24 name is Marty Toth. I'm with ECS Consulting and
25 the Boisco Training Group. I appreciate -- I'll

1 try to make this as brief as possible.

2 What we have going on is BC23-01 that
3 was tabled from the last meeting, it was initially
4 assigned to Ultium Cell. I have since worked --
5 continued my work with Ultium Cell, and I have
6 inherited this BC number.

7 What we are doing in this case here
8 is instead of Ultium Cell putting in for a
9 variance, which would just apply to Ultium Cell, a
10 BC is going to hold precedence over anyone that
11 would like to fall underneath this Board Case.

12 What we have is a situation where the
13 ASME code, throughout the ASME code, more
14 specifically -- ASME, American Society of
15 Mechanical Engineers -- for those that are not
16 familiar, Section 1, specifically identifies
17 the -- how should I put it? They do not allow --
18 do not allow for stop valves to be in the relief
19 path. So in essence, we cannot put a valve on
20 either the inlet or the discharge side of a
21 pressure relief device on a Section 1 boiler.

22 The issue that we have is, there are
23 some situations, more specifically, in regards
24 to -- of fluid thermal heaters that are not steam
25 units. They are not vapor units. They are units

1 that are in a liquid phase that an individual
2 would not want to drain the entire system for
3 various reasons.

4 One of those reasons being the
5 degradation of the medium, the oil in this case,
6 that's inside of it. When it is exposed to the
7 atmosphere, oxygen will degradate the material.

8 Other situations is the heat that is
9 involved in these systems. For those that are not
10 aware, when we're looking at a steam boiler, a
11 steam boiler is a vapor service. However, you
12 have some occurrences where we will have thermal
13 fluid heaters that allow for the temperatures to
14 be in excess of a flashpoint of water.

15 So there -- in some cases, such as
16 with Ultium Cell, who is in attendance today just
17 to see how this goes, that would not flash. They
18 are in high temperatures, over 400 degrees, 400-,
19 500-degree temperatures. By removing the safety
20 valves in current systems, there is potential
21 there for bodily harm.

22 The one thing that you do see in
23 Section 1, which the 2023 edition of Section 1
24 does go into allowances where they call it
25 changeover valves. And what that means is, you

1 would have two relief valves. Okay? Each relief
2 valve on its own would be able to relieve the
3 capacity of the boiler unit.

4 To allow for that unit to continually
5 operate, you install what's called a changeover
6 valve that allows for the direction to be changed
7 from one relief valve, or safety valve in this
8 case, to the other and allowing for continual
9 operation, okay, without bringing the boiler down.

10 Now, that is not going to cover in
11 liquid fluid heaters, okay, because there is a new
12 section in Section 1 that refers to PTFHs, which
13 is thermal fluid heaters. And it is new to the
14 code, or was new in 2021 edition that specifically
15 addresses these type of heaters. In the past,
16 they've been built to Section 1 but did not have
17 their own section within the code.

18 And so Section 1 has chose to create
19 this changeover valve. More specifically, it's
20 going to be in -- I believe it's PG-71, for those
21 code guys that want to look that up. That
22 specifically calls for changeovers, but they
23 exclude liquid fluid heaters.

24 Now, where am I going with all this
25 is that there have been code allowances put into

1 ASME in the past that have allowed for stop
2 valves. More specifically, for stop valves that
3 include Section 8, Division 1 vessels, which are
4 your unfired pressure vessels.

5 Liquid fluid heaters, such as what
6 we're referring to here, can actually be built.
7 They're called direct-fired pressure vessels.
8 They could be built. The vessels at Ultium Cell
9 could have technically been built to Section 8,
10 Division 1 of the ASME code and we wouldn't even
11 be having this discussion. Okay?

12 But we are, and it needs to be
13 something that I feel that can be addressed, that
14 we can handle this on a broad stroke, that
15 individuals, especially when they go to register
16 or to apply for permit, can be indicated in their
17 permit and we don't have to bring it to the Board
18 every time. And that's what we're trying to do
19 here.

20 Another thing that makes this
21 different is, as with PG-71 where they refer back
22 to the changeover valves, what they are doing is
23 now saying, hey, we have two valves; each
24 individual one can operate. Well, that's the same
25 thing that we're talking about here. Because at

1 no time would a steam boiler -- under PG-71, at no
2 time would it not be protected by a safety relief
3 valve.

4 The same thing would occur under this
5 Board Case because they would, in fact, have to
6 have two relief valves. Each of those -- or more,
7 depending on the size of the unit. Two relief
8 valves or more that can independently relieve the
9 capacity of that thermal fluid heater. All we're
10 doing is setting the boundaries that are
11 identified in Section 13 of the ASME code for
12 pressure relief devices in Appendix B that sets
13 the guidelines for the allowance of this.

14 And what I have done in the handout
15 that you received -- you received my recommended
16 Board Case submittal, and you also received a copy
17 of Appendix B. Don't tell the ASME or they're
18 going to get me for copyright. The copy of
19 Appendix B that spells out verbatim what we have
20 in this Board Case request.

21 And some of those things, if I may --
22 and I'll be more than happy, Mr. Chairman, to read
23 this in its entirety or just kind of, to save
24 time, let you read that and then I just hit on
25 some of the high points.

1 Some of the high points is, you have
2 to have an owner/user, okay, whoever owns it or
3 use it -- doesn't matter. They're all the same in
4 this case. Okay? They put it in for a permit.
5 They have to have a written procedure. And that
6 written procedure has to specifically identify,
7 equated back to Appendix B, of how this will be
8 handled.

9 It will supply the Manufacturer's
10 Data Reports. Manufacturer's Data Reports are
11 critical in regards to the thermal fluid heaters
12 because those have to identify what the material
13 is, okay, and other pertinent information that is
14 required from PTFH in Section 1 of the ASME code.
15 Those would be provided, that identify what the
16 medium is that we're putting in, using in those
17 units, have that written procedure, how they
18 administrate the controls of it.

19 I also mention in here some
20 additionals that are mentioned in Appendix B that
21 we are required to have, is that, yes, the valves
22 have to be able to relieve the total capacity of
23 the units. That the -- everything else that's
24 required in the code, such as cross-sectional area
25 of the piping, the inlet and outlet, is per the

1 ASME code.

2 That the valves that are used are
3 going to be of gate-type construction. Why is
4 that? It's because the gate-type construction
5 will allow almost no restriction of the flow. If
6 you were to use something like a gate valve or
7 even a ball valve in some cases, that could
8 restrict the flow of the fluid, which will -- can
9 cause an issue with the valve being able to
10 relieve the total capacity of the unit.

11 So they have to -- the applicant has
12 to prove, show proof, that the valves they are
13 using will not cause any restriction of flow.
14 They also are going to be designed for thermal
15 fluid or thermal hot oils. There are valves that
16 manufacturer's specifications specifically state,
17 be used for hot oils.

18 We need to be able to identify from
19 distance, okay, the open and close. So now those
20 gate valves also have to have a rising stem. For
21 those that are familiar, the rising stem, I can
22 see it from here to the nice young lady sitting at
23 the front of the room over there. You know who I
24 was talking to. At the front of the room over
25 there. I could tell from that distance if the

1 valve is open or closed just by the visualization
2 of the valve stem, or not.

3 Again, I mention the flow resistance
4 in its open position. Also, we would have to have
5 a locking mechanism. The locking mechanism is not
6 for locking it closed; it's for locking it open.
7 The procedures will identify how we go about the
8 unlocking and locking and the possession of the
9 keys for that lock.

10 And with that, Members, I am open to
11 any questions that you may have.

12 MR. BAILEY: I've got a quick
13 question, just for clarification.

14 Where you have your inquiry,
15 shouldn't the word "being" be "be"; the i-n-g
16 should be taken out? I'm just asking. You wrote
17 it.

18 MR. TOTH: No. I appreciate
19 that, Mr. Bailey.

20 MR. BAILEY: Because I had to
21 read it two or three times and, like, what is he
22 asking?

23 MR. TOTH: Okay. "May stop
24 valves be installed within" -- okay.

25 MR. BAILEY: Does --

1 MR. TOTH: Sure. No, that's
2 perfectly fine if everybody else is fine.

3 MR. BAILEY: It didn't make
4 sense.

5 MR. TOTH: I guess my Grammarly
6 didn't catch that one.

7 MR. BAILEY: Right.

8 MR. TOTH: For those that don't
9 use Grammarly, use it, so...

10 MR. BAILEY: That's all I have.

11 MR. TOTH: Thank you, sir.

12 CHAIRMAN MORELOCK: What
13 questions does the Board have?

14 MR. HENRY: Mr. Toth?

15 MR. TOTH: Yes, sir.

16 MR. HENRY: I'll ask you a
17 couple of questions.

18 So the problem right now is the rules
19 of Section 1; is that correct?

20 MR. TOTH: Yes.

21 MR. HENRY: Okay. Wasn't it the
22 intent -- and maybe it doesn't extend this far.
23 Wasn't it the intent that, ultimately, Section 13
24 would take responsibility for all of these
25 questions?

1 MR. TOTH: Section 13 -- yes,
2 sir. Section 13 is taking responsibility for the
3 relief valves and the implementation of them.
4 With that being said, the individual
5 co-construction sections can implement, can adopt
6 those requirements, or they can put them within
7 their own. Section 1 is the grandfather, if you
8 would. And so with that said, they tend to like
9 to keep things in-house.

10 MR. HENRY: Yes.

11 MR. TOTH: A situation that I
12 would like to identify -- and for those that have
13 served on the ASME codes and the NBIC codes, it's
14 very difficult to cover all aspects. And a
15 situation that you run into with something like
16 this is to say, yes, we're going to allow this,
17 right, without any supervisory procedures being
18 put into place.

19 And so when codes -- when we do that
20 in codes, the codes, we understand -- and I speak
21 because I serve on them, as "we." We understand
22 that the individual jurisdictions have the
23 opportunity to adopt those codes.

24 They also have the opportunity to put
25 interpretations on those codes, to expand upon

1 those codes, so on, so forth. So when those codes
2 are written, that is taken into consideration,
3 because you can't -- it's hard to put that blanket
4 statement -- no different than what we had with
5 the previous discussion concerning CO2s, is that
6 it's very hard to put those blanket statements in
7 there when there's different things that can be
8 handled on the jurisdictional level.

9 MR. HENRY: Okay. And I
10 appreciate that. I guess my next question, then,
11 would it be appropriate -- or has there already
12 been discussion with Section 1 on the need for an
13 action like this?

14 MR. TOTH: In speaking with my
15 colleagues that serve on Section 1, as I alluded
16 to before, the adding of PTFH, the section -- the
17 part PTFH in Section 1 is relatively new. So when
18 they also included PG-71 requirements that called
19 for those changeover valves, they purposefully
20 excluded PTFH because it's so new. And so what
21 they're looking at is they're looking for it to
22 mature, if you would, and to see more examples of
23 it being implemented before they allow that into
24 PG-71.

25 MR. HENRY: Well, that's a great

1 lead-in to my next question, then. Why not --

2 MR. TOTH: Did you just sucker
3 me into a topic on that? Jeez.

4 MR. HENRY: Why not go to
5 Section 1 for a code case on this?

6 MR. TOTH: Well, simply enough,
7 it's -- we don't know where that's going to go and
8 how far down the line that's going to go.

9 MR. HENRY: How long it will
10 take, yeah.

11 MR. TOTH: Yeah. And that's the
12 realistic viewpoint of it.

13 And also, it's looking at -- and
14 before you had the inclusion of PG-71 into the
15 code, there was really no consideration for
16 duplicate safety valves.

17 MR. HENRY: Right.

18 MR. TOTH: It really wasn't
19 brought into the mindset. Because if you could
20 not have any type of outing whatsoever, nobody
21 would ever have that. We were never looking at --
22 and that's one of the reasons why Section 1 did
23 not adopt Section 13. Because Section 13, by
24 adopting it, you so too adopt Appendix B, which
25 allows for the stop valves.

1 MR. HENRY: Right.

2 MR. TOTH: And so it's kind of
3 one of those things that, okay, if we look at it,
4 PTFH, it's going to be a while before they're
5 going to even look at that. But we already have
6 Section 13 in place with Appendix B, with the
7 allowances of these valves.

8 And on top of that, Appendix B didn't
9 even take into -- is not even taking into
10 consideration duplicate valves. They're talking
11 about single installation valves with the ability
12 to have stop valves.

13 This Board Case looks at duplicate
14 valves with the stop valves incorporated within.
15 So it's actually above and beyond what we even
16 looked at inside Appendix B of Section 13.

17 MR. HENRY: I guess my last
18 question would only be -- and I think what you've
19 done here is excellent, and I certainly support
20 it. But would a corresponding action be to go --
21 basically, use the same wording and go back and at
22 least recognize that it may take a couple years to
23 do it --

24 MR. TOTH: Sure.

25 MR. HENRY: -- apply for a

1 Section 1 code case?

2 MR. TOTH: I think that's a
3 great thought, and I will definitely look into
4 that. At the current time, I don't personally
5 attend the ASME meetings anymore, just because of
6 time constraints and the other volunteer stuff I
7 do. But I definitely have counterparts that I
8 work with that attend those meetings, and I will
9 be in communication with them. And I think that's
10 a good idea, and I'll take that into
11 consideration.

12 MR. BAUGHMAN: So Mr. Toth, in
13 particular, one of the things I -- I like the idea
14 of a variance, specifically for that particular
15 installation more so than drawing a broad stroke
16 for everything else that's out there. Especially
17 in light of we're talking about putting valves in
18 place on relief devices, which us in the boiler
19 industry, that just gets the hair up on our neck
20 when you're talking about putting valving in on
21 any safety device, let alone the main pressure
22 devices.

23 So in looking at crossover valves,
24 that all makes sense. Having a three-way valve
25 arrangement, per se, makes sense in these

1 applications. But I just know that as these
2 things are getting installed as inspectors are
3 going to be looking at them, the amount of
4 education and lack of education knowledge as
5 they're going through these systems, you've got to
6 make sure that there's a high level of education
7 as they're inspecting them, to make sure that
8 they're safe.

9 And by drawing this broad Board Case
10 for these things is putting a lot of weight on the
11 inspector's shoulders to go in now and say, okay,
12 this valve arrangement is correct.

13 And we know how much educating there
14 is to do within our inspection industry. There's
15 a lot. And this is adding one more extremely
16 critical area for thermal fluid heaters.

17 So again, we're getting into -- what
18 we're doing is, we're making a jurisdictional vote
19 on this. The code is specific. Section 1
20 presently says, no valves allowed.

21 Our colleague that you and I both
22 speak to, or speak with, from Fulton Thermal, one
23 of the big manufacturers and sits on National
24 Board, has wrote different papers and specific for
25 NBIC Part 1, Supplement 5. And in those, a

1 specific saying, it's not allowed. But
2 jurisdictions can make exceptions. And that's
3 really what we're looking at here.

4 In particular, back with this one
5 particular installation -- and it goes outside of
6 the Board Case, I guess. But one of the things in
7 evaluating the facility that you're working with
8 is we'd asked for the Manufacturer's Data Reports
9 multiple times, which is a requirement by
10 Section 1, Section 8, and so forth. And we've not
11 received those. And so we know that they're
12 stamped, but it's not a hard thing to produce,
13 especially asking multiple times.

14 And you've put in your Board Case
15 that that is a requirement, and I agree that it
16 needs to be. And again, if these were stamped DF
17 Section 8, this is all off the table.

18 But what I've got is that there's
19 certain areas that, if we're not crossing t's,
20 dotting i's, and not dotting that lowercase j,
21 we're going to have some problems within adopting
22 this broadly.

23 So I'm more inclined to look at it on
24 a case-by-case installation than I am as a broad
25 Board Case. That's my input on it.

1 MR. TOTH: If I may, you're
2 absolutely correct. The individual situation that
3 you're referring to with the data reports, we have
4 those. I have those.

5 Again, that is an ongoing individual
6 installation that I'm working with Ultium Cell on.
7 There were some things that the manufacturer has
8 to do to rectify. I don't feel that this is
9 appropriate for me to go through because it's not
10 finalized yet. Those units are still in the
11 process of being installed.

12 I do agree with you, and one of the
13 suggestions that I came here today in my pocket
14 was to maybe extend this Board Case to not only
15 state that the information will be provided at
16 permit, but then these particular vessels be
17 brought to this body and allow for you to take a
18 look at it and put your expertise to it, to have a
19 double-check to ensure that all the t's and i's
20 and lowercase j's are all dotted per the
21 requirements of the code. And we could add that.
22 We could add that directly into the Reply 1.

23 MR. BAUGHMAN: Well, again, it's
24 worthy of, I think, more discussion because at
25 this point, I feel that where we're at, even now

1 when we've got our permits for boilers, and it
2 requires a Manufacturer's Data Report, and there's
3 a lot of times that's not been forthcoming.

4 MR. TOTH: If I may, we say that
5 it's not. There is an allowance that, at the time
6 of installation, the Manufacturer's Data Report
7 should be presented. If that's not being done,
8 then that's on the inspector's side, to enforce
9 that or not.

10 MR. BAUGHMAN: And if I may, we
11 know that that's an issue. We've seen it. We're
12 all open, and this is the group that we're in.
13 But we know in the industry, when the boilers go
14 in, that rarely, when the inspector is there, do
15 they ask for the Manufacturer's Data Report if
16 it's not supplied at the time the permit is put
17 in.

18 We've been on many installations over
19 my 46 years at Allied Boiler. And I've tried to
20 educate as best we can to make sure that what
21 we've got set up in place gets adhered to out in
22 the field.

23 And so what my concern is here, is
24 the education and training that's going to be
25 needed to put in place with the inspector to make

1 sure that they're looking at the company's
2 training, their protocol for locking out or not
3 locking out, opening these valves, closing these
4 valves, making sure the containment pan is in
5 place, doing all these things within these PTFH
6 vessels. And it's a lot of training that needs to
7 be put in place.

8 And I don't feel comfortable at the
9 point of moving this forward as a, again, broad
10 stroke. I think where we're at presently, if
11 taking it on an individual basis is worthy. But
12 I'm concerned with moving forward where we're
13 allowing shut-off valves to be put not only on the
14 inlet path but the outlet path also on these
15 vessels.

16 MR. TOTH: But didn't I just --
17 I just made that recommendation, though, is that
18 the permit comes in, but the permit needs to pass
19 through the Chief Inspector to the Board for the
20 Board to look at it on an individual basis.

21 MR. BAUGHMAN: As long as we're
22 clear. And if that is, in fact, what has happened
23 for -- everything gets approved -- that's on the
24 installation side.

25 MR. TOTH: Okay.

1 MR. BAUGHMAN: So we're -- what
2 I'm looking at is after installation, if something
3 goes in, when you put a -- when you do a -- we're
4 doing the variances and we're putting in -- we're
5 approving the manual that goes in, it doesn't get
6 finally approved until there's an inspection at
7 the end of it.

8 MR. TOTH: Okay.

9 MR. BAUGHMAN: And what I'm
10 looking at is that if we look at an installation
11 and go, okay, what does that installation permit
12 look like? Are we reviewing their training
13 manuals? Are we reviewing their protocols, so
14 forth? What is involved in that for the
15 permitting side of it that we can review? More so
16 than just saying, we're putting this in. In other
17 words, it's just a little open-ended and vague to
18 me at this point.

19 MR. TOTH: And that's where I --
20 I see where you're coming from, and I would like
21 for you to consider that a lot of things we do in
22 this industry gets an initial approval. Okay?
23 And then gets a reinspection.

24 So if I were to use an example of an
25 installation that goes in, and then in between the

1 initial inspection and the follow-up inspection
2 the following year, somebody changes something up
3 that goes against code. The inspector is going to
4 find it at inspection. If they don't, they don't.
5 Okay? It's not a 100 percent. We're not going to
6 find every single thing out there. We're not
7 preventing accidents. We're trying to limit them.

8 And in this situation here, what I'm
9 hearing is, we're not trusting the inspector to be
10 an inspector. We're saying, we're going to look
11 at a drip pan -- all of that stuff is in the code.
12 The codes are voluminous. We know this. And to
13 expect an inspector -- and I never wanted my
14 inspectors to think they knew everything about the
15 code.

16 I've been in the boiler industry for
17 35 years, more actually, and I learn something new
18 every day, and you do too. And what we're trying
19 to do is put something in place with these people
20 included in the variances.

21 My clients that have variances, I
22 visit them on a regular basis. And I'll just pop
23 in. Why? Because it's not a hey, we put this in
24 place and I'm going to forget you until three
25 years down the road and I'm going to come look at

1 you.

2 But there's nothing that says that I
3 can't do that. There's nothing that says the
4 inspector can't do that. It's how they take pride
5 in what they're doing.

6 And you have a company that if they
7 want to go through and have this type of an
8 installation, they're going to jump through the
9 proverbial hoops to get it done.

10 And I agree that bringing it back
11 before this board as a permit for you to put eyes
12 on it as a body of experts that can say, they've
13 done everything we've asked them to do, and for
14 the Chief Inspector and his staff to provide them
15 with this documentation to perform, you know,
16 continuing education on your rules or regulations
17 like they just did a couple weeks ago, that's all
18 we can do.

19 And that's where I'm looking at with
20 this, is to put something like this in place that
21 at least from jump, we're being as safe as humanly
22 possible and then ensuring the fact that our
23 inspectors are given this type of information to
24 look at when they go to do those inspections.

25 Thank you.

1 MR. BAUGHMAN: Thank you.

2 Again, my concern is we're talking
3 about something as critical as putting shut-off
4 valves on relief valves. We don't take this
5 lightly. You don't take it lightly. Your
6 customer doesn't take it lightly. None of us are
7 here in that regard. And that's why we're having
8 this discussion and the questioning and the
9 thought that goes in behind this instead of just
10 taking it carte blanche, going, yeah, it all
11 sounds good.

12 But there's enough red flags that
13 come up. And the last thing I want to do is make
14 a vote on something that somewhere down the road
15 has ramifications that come back to bite you. And
16 that's something that, you know, you're always --
17 because you care. And so that's why, looking at
18 this in a hard fashion.

19 Again, we're looking at a Section 1
20 device. We're taking a jurisdictional
21 interpretation or a jurisdictional direction on
22 what Section 1 says and making some adaptation to
23 that.

24 MR. TOTH: And that adaptation,
25 that I may add, again, if this same vessel was

1 built under Section 8, Division 1, it would not be
2 an issue.

3 MR. BAUGHMAN: Yes. Uh-huh.
4 Well, and again, that's true from that standpoint.
5 I still get back to Manufacturer's Data Reports,
6 the whole, you know --

7 MR. TOTH: They will be
8 provided.

9 MR. BAUGHMAN: And I'm curious
10 why, after so many times of me asking for them
11 through Chief, that they were not provided.

12 MR. TOTH: South Korea.

13 MR. BAUGHMAN: Okay.

14 MR. TOTH: That's all I can say,
15 is that they came from South Korea. And I think
16 that there was -- there was a lot of that. And
17 that's what I pushed for this particular case
18 here, and that was one of the things that I said,
19 if you're wanting me to work on this, I've got to
20 have this, and I've got to have this now.

21 And that brought up some questions.
22 And there's a couple of other things I'm working
23 with Ultium Cell on to rectify that go above and
24 beyond this.

25 And it just happens -- and I see

1 where you are at, Mr. Baughman, because this
2 started off as a request from an individual
3 company. Okay? And I see where -- you're kind of
4 a little -- you're a little upset because they
5 didn't provide the MDR. I agree with you. They
6 should have provided the Manufacturer's Data
7 Reports. Absolutely.

8 MR. BAUGHMAN: As a requirement.

9 MR. TOTH: As a requirement.

10 Absolutely. I agree 100 percent.

11 But let's not let that stall this.
12 Because now we're putting this in the forefront
13 and we're saying, you will have this at the time
14 of permit. It gets to the chief's desk, and they
15 don't have this information? It doesn't see you.
16 Why doesn't it see you? Because the chief is
17 saying you're missing documentation here.

18 MR. BAUGHMAN: Sure. So what I
19 see is in the industry, we get companies that
20 install equipment. They don't go through all the
21 protocols that they're supposed to. Equipment
22 gets in place, and then it may not meet all the
23 requirements. And they put millions of dollars in
24 these installations and say, we've got to run;
25 we've got product to make; we've got employees;

1 we've got all this; and we need to get running.

2 We understand that.

3 MR. TOTH: Uh-huh.

4 MR. BAUGHMAN: We want to make
5 sure that everything is done according to the
6 code, and that's what we're here to do, and the
7 inspectors are to enforce that code. And so
8 that's one of the things, is that there's pressure
9 that's put on sometimes, as we know in the
10 industry, got it. Got to get running.

11 MR. TOTH: Broad shoulders. I
12 can handle it.

13 MR. BAUGHMAN: Yeah. Well, what
14 I'm saying is, is that decisions need to be made
15 and stuck to, no different than what we were
16 talking about earlier on the CO2 tanks, is that
17 we've got a set of codes to go by and adhere to,
18 have confident discussion on any variables that we
19 want to put into that, i.e., the valves here.

20 MR. TOTH: In essence, no
21 waiver. No waiver. A variance comes from the
22 Board. A waiver comes from the Chief.

23 MR. BAUGHMAN: Okay.

24 MR. TOTH: Okay? I get what
25 you're saying. It's like we've got to have this

1 stuff. And I see what you're saying because I've
2 sat in that chair for a long time, and I've had
3 people come up and say, hey, we need to get this
4 done. Lack of planning on your part does not
5 constitute an emergency on mine has been said many
6 times. Probably in a little nicer way, diplomatic
7 way, but it has been said.

8 And so I agree with that, is that
9 this is a situation where we don't get a waiver.
10 We don't get a hey, yeah, go ahead and start using
11 this. Go ahead, and yeah, you can install it.

12 They can install anything they want,
13 right? You agree with that. You can put a boiler
14 in any company you want. You're not going to use
15 it until it gets signed off. Are we in agreement
16 with that?

17 And so they go through the portion of
18 wanting to do that, but they don't have their
19 lowercase "j" dotted. They're not moving forward.
20 And they're not going to get a waiver from the
21 Chief because it has to come through the Board.

22 Would that not satisfy your concerns?

23 MR. BAUGHMAN: I believe so.

24 And as this progresses, there's still -- because
25 this is in a state of flux with -- in talking with

1 Ms. Watkinson, what's going on with ASME, some of
2 the things that are fixing to maybe come up down
3 the road, within -- some near time. What is it?
4 Always, sometimes, maybe --

5 CHAIRMAN MORELOCK: Except.

6 MR. BAUGHMAN: Except? So
7 there's things that may actually clarify this.

8 MR. TOTH: And that will be
9 perfect.

10 MR. BAUGHMAN: Yes.

11 MR. TOTH: But until then.

12 MR. BAUGHMAN: Yes. So I think
13 that moving forward, not to keep beating this,
14 that right now, we don't have an application in
15 place to bring to us, to be able to look at. If
16 that is something that we can do so that we can
17 look at these things on an individual basis
18 instead of just giving this broad stroke again to
19 it, I think that's a good direction to be looking
20 at running.

21 MR. TOTH: And that's great. So
22 you're saying that you don't approve of a Board
23 Case.

24 MR. BAUGHMAN: Well, not as a
25 broad stroke as it is, sitting, for each

1 individual installation without additional
2 scrutiny.

3 MR. TOTH: By whom?

4 MR. BAUGHMAN: I think by the
5 inspector department, through the Boiler Unit.

6 MR. TOTH: And they will get
7 that.

8 MR. BAUGHMAN: And the Board of
9 Boiler Rules.

10 MR. TOTH: And the Board of
11 Boiler Rules.

12 So if we take this away from being a
13 simple Board Case that talks about inspections --
14 how often do we have to inspect -- that you pick
15 whatever Board Case that we put into place since
16 we started tracking Board Cases or even the
17 interpretations. Okay?

18 If we'd not think about those and
19 think about this more as a guideline, okay, then
20 would that not satisfy what you're looking for?
21 Because if we put in here that it is going to be
22 scrutinized -- it's already in there it's going to
23 be scrutinized by the Boiler Unit. And we add in
24 here that it's going to be supplied for approval
25 by the Tennessee Board of Boiler Rules, are we not

1 looking at these on an individual basis?

2 MR. BAUGHMAN: Sounds to me like
3 it is.

4 MR. TOTH: It is.

5 MR. BAUGHMAN: Yeah.

6 MR. TOTH: Because we're
7 treating this like a guideline. We're not
8 thinking about other Board Cases and other board
9 interpretations that are on simpler things, that
10 somebody may just go ahead and apply because it's
11 a simple Board Case. This has more teeth to it.
12 This has more checks and balances to it,
13 especially when we add the Tennessee Boiler Board
14 in here, final approval.

15 MR. BAUGHMAN: I agree. And one
16 of my big concerns, Mr. Toth, is just putting so
17 much responsibility on the shoulder of the
18 inspectors to look at this. I don't know about
19 Mr. Lashley or Mr. Matue's input on those. But
20 again, it's that much more added to them in a
21 supercritical area.

22 So henceforth, I would love some
23 input from that end of it, just to kind of...

24 MR. LASHLEY: I mean, I'm just
25 seeing it as an individual application. I don't

1 see the whole broad aspect of it. You know,
2 whether it's through a variance request or -- or
3 however it's addressed, I'm seeing it more as a --
4 yeah, once we're on site, that's where it needs to
5 be inspected and interpreted.

6 MR. TOTH: But again, going back
7 to the same thing, this is not a broad brush Board
8 Case. This is a Board Case that has individual
9 checkpoints that make it an individual
10 application. So it's a permit. It goes to the
11 Chief Inspector. We revise this to include a
12 part, Sub iii, down here that says that it has to
13 be finally approved by the Board. That makes it
14 an individual application.

15 But what we're doing is, we're
16 providing the public with a guide of what you are
17 expecting. They came in the last meeting without
18 a guide. They came in with a bunch of information
19 that I looked at, and I said, thank you for this,
20 and I put it off to the side because it was not
21 relevant. It was missing -- they asked me why.
22 Because they had no guidance. There was no
23 guidance. Why? Because this is something that
24 had never been put out.

25 This Board Case will tell them, yeah,

1 you can do this; however, you're going to have to
2 provide all this information. It's going to have
3 to be in this format. It's going to have to
4 pertain to the valves that are being installed, so
5 on, so forth. And, oh, by the way, it's going to
6 come back through you-all, and you're going to
7 have to approve it.

8 What is the difference? All we're
9 doing is giving a guideline. Don't get stuck on
10 this broad stroke, because that's not what this
11 is.

12 MR. BAUGHMAN: So presently in
13 this Board Case, does it say anywhere that it
14 comes before the Board of Boiler Rules, or do we
15 need to add that into it?

16 MR. TOTH: We need to add that,
17 Mr. Baughman. And that's where I indicated, said,
18 "Before installation and/or implementation, the
19 owner/user" -- because again, doesn't matter --
20 "must apply by permit application request and
21 acceptance to the Boiler Inspection Unit."

22 And then it goes down into the
23 Manufacturer's Data Reports, the information that
24 tells us what the medium is, and then we can add
25 to there "and final approval by the Tennessee

1 Board of Boiler Rules."

2 MR. BAUGHMAN: Are we looking at
3 doing a -- so if the unit has two valves that have
4 to be installed on the unit to be able to relieve
5 the capacity, are we looking at putting on
6 individual valves on each inlet and each outlet?
7 If that's the case, if one valve --

8 MR. TOTH: It all depends. I
9 mean, the code allows for you to manifold out.

10 MR. BAUGHMAN: Well, and that's
11 what I'm getting at, is that, again, we want to
12 look at the specific installation information when
13 it comes in.

14 MR. TOTH: Perfect.

15 MR. BAUGHMAN: Yeah, because
16 that's a -- as you know, if they're sized for the
17 two valves, you can't operate on just one valve.
18 So I want to --

19 MR. TOTH: Perfect.

20 MR. BAUGHMAN: As long as we've
21 got that ability to look at those things and have
22 some analysis of them, then I'd feel much more
23 comfortable. I'm uncomfortable with putting
24 valves in anyway.

25 MR. TOTH: No. I know you are.

1 MR. BAUGHMAN: But if there's a
2 means to be able to do this without dropping down
3 the whole vessel, and they've got these relief
4 valves installed at a low point --

5 MR. TOTH: Don't get me started
6 on that design flaw.

7 MR. BAUGHMAN: Okay. Well, same
8 here. So, and we even talked about how to extend
9 piping up, in looking at the friction and the back
10 pressure and all of that, and it didn't work out.
11 So we looked at -- to the extent of coming up with
12 some other means besides putting valves in.

13 I think if we put these mechanisms in
14 place, have the wording as such, have that to
15 where we can review that, then I think we can move
16 forward on it.

17 MR. TOTH: So again, when you
18 talked about that, and it was great that you said
19 that, about the inlet, it's down there in four.
20 It's no different, Mr. Baughman, than if this was
21 a steam boiler or a simple thermal -- regular
22 thermal fluid heater. It still has the same code
23 requirements for a cross-sectional area, and we
24 put that in here.

25 MR. BAUGHMAN: Sure. Thanks so

1 much.

2 MR. TOTH: Your eyes are
3 crossing on you there, Mr. Baughman.

4 MR. BAUGHMAN: Well, they are.
5 It's a lot of information, and it's something that
6 maybe those that don't know the extent of the
7 technical stuff we're looking at, it's just so
8 critical. So imagine having your water heater and
9 putting a shut-off valve in front of it and on the
10 discharge side of it. You're talking about your
11 overpressure device, and we want to make sure that
12 we have good discussion on this. So, and I've
13 beat it pretty good, and you've done well,
14 Mr. Toth. And Mr. Henry, everybody here.

15 MR. ANDERSON: Jim Anderson,
16 Ultium. I just have a question. I'm not an
17 expert.

18 So who inspects or looks at this
19 Appendix B? A lot of the things that we're asking
20 for are in here. So if you're worried about the
21 technical aspect on the inspector, a lot of it
22 comes in here. So who -- is this taken into
23 account at all currently by an inspector? It's
24 just a general question. Because the things that
25 we will be inspecting are no more complicated than

1 what's listed out currently. I'm just asking,
2 how -- I guess, how much weight does this document
3 hold at the moment?

4 MR. TOTH: You're talking about
5 the code?

6 MR. ANDERSON: Yeah, this
7 Appendix B.

8 MR. TOTH: ASME code holds all
9 the weight when it comes to isolation valves.

10 MR. HENRY: It's a mandatory
11 appendix, isn't it?

12 MR. ANDERSON: Yeah. So, I
13 mean, is this inspected, too, by an inspector?
14 I'm just trying to figure out if we're asking for
15 something in addition to what's currently -- what
16 an inspector may currently ask for. Get back to
17 your original concern about the complexity of it.

18 MR. BAUGHMAN: So just from my
19 interpretation on that is that what we're dealing
20 with is a Section 1 vessel, which means that if
21 they went out and inspected it as a Section 1
22 constructed vessel and you had valves installed in
23 the relief valve inlet and outlet path, it would
24 get shut down.

25 MR. MATUE: Red tagged.

1 MR. BAUGHMAN: Yes.

2 So again, we're making a -- they're
3 inspecting to what's in the codes. We're making a
4 change -- change? We're making a variation to
5 that --

6 MR. LASHLEY: To a change.

7 MR. BAUGHMAN: Pardon?

8 MR. LASHLEY: A pathway to a
9 change.

10 MR. BAUGHMAN: A pathway to a
11 change. To accept the installation of these
12 valves in these particular vessels. If your
13 vessel was not constructed to Section 1 but
14 constructed to Section 8 and stamped DF, direct
15 fired, then it's covered under that section
16 already.

17 MR. TOTH: Just to finalize
18 that, so you understand.

19 MR. ANDERSON: Because I don't.
20 I apologize.

21 MR. TOTH: And that's why you
22 hired me. Is -- just joking, Jim.

23 MR. ANDERSON: That's true.

24 MR. TOTH: Is because if there
25 were two, Section 8, Division 1. Okay?

1 Section 8, Division 1 adopted Section 13, which in
2 turn has Appendix B. And so what we're trying to
3 do is say a vessel that can be either Section 1 or
4 Section 8, in regards to what we have here, is
5 that if Section 8 allows for it, we're asking that
6 this vessel is built to Section 1, allow for it.
7 Because precedence was set from Section 8
8 initially.

9 MR. ANDERSON: And our vessels
10 were built under Section 1.

11 MR. TOTH: Section 1.

12 MR. ANDERSON: Okay.

13 MR. BAUGHMAN: So you mentioned
14 the word "precedent." I want to make sure this
15 doesn't set a precedent for anything else that may
16 come up. And it may. Who knows.

17 MR. TOTH: Everything we do can
18 set a precedent.

19 MR. BAUGHMAN: That's exactly
20 right.

21 MR. TOTH: If somebody
22 wants to, you know, turn their head a certain
23 way and, you know, open their mouth a certain
24 way, they can set a precedent. But the reality
25 is, is that's what I like about -- and you

1 talking about stop valves, that's what I like
2 about PG-71 through 73, which talks about what
3 they're doing now with safety valves in
4 Section 1.

5 MR. BAUGHMAN: So what this is
6 going to get into is not only PTFH units, but
7 we've got high-temperature hot water units that
8 get into Section 1.

9 MR. TOTH: That's right.

10 MR. BAUGHMAN: And we're going
11 to have this same discussion moving forward, in
12 other realms.

13 MR. TOTH: That's right. We are
14 all good.

15 MR. BAUGHMAN: So that's kind of
16 why I was thinking the precedent, thinking of
17 other installations that we've been involved in
18 over the years, and there's definitely some more
19 stuff that will come up. But we'll address that
20 as it comes up.

21 MR. TOTH: Yeah. And the
22 biggest thing -- what causes this biggest
23 problem is the design of this unit. Let's
24 get back to it. The design of this unit, of
25 putting the relief valves at the bottom

1 instead of at the top, yeah, you put yourself
2 in a bad position. That's a manufacturer thing.
3 So on most of those high-temp boilers, are we
4 going to find them on the bottom? No. We're
5 probably going to find them on the top and we're
6 going to be fine.

7 MR. BAUGHMAN: Yeah. Until the
8 discussion comes that they don't have isolation
9 valves above and below. They've got to drain the
10 whole system.

11 MR. TOTH: We'll cover that when
12 we cross that bridge.

13 MR. BAUGHMAN: And, you know,
14 we've heard discussions on taking hot water
15 boilers down anyway before. So it's, you know --
16 again, that's why you've got technical people on
17 the board.

18 MR. TOTH: That's right.

19 MR. BAUGHMAN: Be able to have
20 these discussions. Thanks a bunch.

21 Thanks for everybody's patience in
22 this, too.

23 CHAIRMAN MORELOCK: All right.
24 So do I have a motion for this Board Case?

25 MR. BAUGHMAN: I'll make the

1 motion.

2 CHAIRMAN MORELOCK: Okay.

3 MR. BAUGHMAN: That we approve
4 contingent upon review of the documents.

5 MR. LASHLEY: Additional
6 language, you know, where it's brought forth as a
7 variance.

8 MR. BAUGHMAN: And so --

9 MR. TOTH: Recommendation on
10 that.

11 MR. BAUGHMAN: Yes.

12 MR. TOTH: I do have a
13 recommendation on that verbiage under
14 Subsection iii is, "With final approval of the
15 Board of Boiler Rules after scheduled quarterly
16 meeting," or something like that. I don't know if
17 we've used those words before. Somebody can
18 Wordsmith me on that and help me with that.

19 What do you think, Mr. Henry? You're
20 good at that.

21 MR. HENRY: Let me think about
22 it for a minute.

23 MR. TOTH: Perfect. And we
24 can -- but we're all in agreement that that's the
25 one thing that needs to change, is that it comes

1 through the Board. However we verbalize that,
2 you're comfortable with, as long as a board member
3 writes that.

4 MR. BAUGHMAN: And if the Board
5 disapproves of it at the time.

6 MR. TOTH: Absolutely.

7 MR. BAUGHMAN: Then it can get
8 reapplied for, make changes, and so forth?

9 MR. TOTH: Absolutely.

10 MR. BAUGHMAN: Okay.

11 MR. HENRY: Mr. Toth, the only
12 thing I would like to add, just in principle, only
13 because it's going to make our life easier long
14 term, is the issue of going to Section 1 and
15 applying for a code case.

16 MR. TOTH: Yes. I will get on
17 that. I will speak to Ms. Watkinson and see what
18 we can do to get that, because she served on
19 Section 1.

20 MR. HENRY: And I can help, and
21 everybody too, I'm certain, deal with Section 1.

22 MR. TOTH: Wonderful. Great.

23 MR. BAUGHMAN: It was great
24 talking with Ms. Watkinson because, as Mr. Toth
25 and I both had conversations, she never would

1 commit to one way or the other. She said, "It's
2 jurisdictional. It's up to you guys. I'm not
3 going to say one way or the other. I can tell you
4 what the code says."

5 MR. TOTH: Yeah.

6 MR. BAUGHMAN: "But it's
7 jurisdictional."

8 And I appreciated that. She left it
9 up to us, within the way our codes are set up, to
10 have these great discussions and to vote
11 accordingly. So even though she is a super expert
12 in the field on this, I like the way that she
13 communicated to us on it.

14 MR. HENRY: I think she also got
15 tired of beating her head against the wall, in
16 some cases.

17 MR. BAUGHMAN: I think she said
18 that in her presentation too, you know. But at
19 any rate...

20 CHAIRMAN MORELOCK: So what does
21 our motion look like now?

22 MR. TOTH: It was the same.

23 MR. HENRY: If I understand the
24 motion correctly, it's to approve this case with
25 the understanding that it will be on a

1 case-by-case evaluation basis.

2 CHAIRMAN MORELOCK: Okay. Any
3 more discussion or questions?

4 (No verbal response.)

5 CHAIRMAN MORELOCK: Hearing
6 none, then all in favor say "aye."

7 (Affirmative response.)

8 CHAIRMAN MORELOCK: Opposed?

9 (No verbal response.)

10 CHAIRMAN MORELOCK: Abstentions?

11 (No verbal response.)

12 CHAIRMAN MORELOCK: Not voting?

13 (No verbal response.)

14 CHAIRMAN MORELOCK: Motion

15 passes.

16 MR. TOTH: Thank you, gentlemen.

17 CHAIRMAN MORELOCK: Thank you.

18 MR. BAUGHMAN: Thank you,

19 Mr. Toth.

20 MR. ANDERSON: Thank you, sir.

21 MR. BAUGHMAN: Yourself, too.

22 Thank you for being here.

23 CHAIRMAN MORELOCK: All

24 right. So I'm not kidding this time. This

25 is the upcoming 2023 scheduled quarterly meeting.

1 The next one will be December the 13th, 2023,
2 here.

3 And so I'm going to call this meeting
4 adjourned. Thank you, all.

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END OF THE PROCEEDINGS.

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C E R T I F I C A T E

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 13th day of September, 2023.

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 12th day of October, 2023.



Cassandra M. Beiling, LCR# 371
Notary Public State at Large
My commission expires: 3/10/2024