

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 10, 2025

CASSANDRA M. BEILING, LCR# 371
STONE & GEORGE COURT REPORTING
2020 Fieldstone Parkway
Suite 900 - PMB 234
Franklin, Tennessee 37069
615.268.1244

1 APPEARANCES:

2 David W. Baughman, Chairman/Board Member

3 Micah Lashley, Board Member

4 Riley Collins, Board Member

5 Richard Scott May, Board Member

6 Jeffery Henry, Board Member

7 Thomas Herrod, Assistant Commissioner
8 Tennessee Department of Labor & Workforce
Development

9 Melissa Owens, Esq., Legal Counsel
10 Tennessee Department of Labor & Workforce
Development

11 Chance Deason, Esq., Legal Counsel
12 Tennessee Department of Labor & Workforce
Development

13 Jimmy Watson, Acting Chief Boiler Inspector
14 Tennessee Department of Labor & Workforce
Development

15 Alex Cass, Deputy Boiler Inspector
16 Tennessee Department of Labor

17 Mia-Lyn Wiley, Boiler Board Secretary
18 Tennessee Department of Labor & Workforce
Development

19 Jamie Diefenbach, Executive Admin Assistant
20 Tennessee Department of Labor & Workforce
Development

1 ADDITIONAL Appearances:

2 Marty Toth
ECS Consulting and Boisco Training Group

3 Joe Morse
4 Supervisor
Jack Daniel's Distillery

5 Kristen Schmidt
6 Senior Operations Manager/By-products Department
Jack Daniel's Distillery

7 Megan Best
8 Automation Engineer
Jack Daniel's Distillery

9 James Neville
10 Neville Engineering

11 Doug Sellers
Facilities
12 West Tennessee Healthcare-North Hospital in
Jackson, TN

13 Dillon Charles
14 Plant Manager
US Nitrogen

15 Eric Barlow
16 Manager of Engineering
East Tennessee Children's Hospital in Knoxville,
17 TN

18 Terry Hall
Director of Engineering
19 East Tennessee Children's Hospital in Knoxville,
TN

20
21 STONE & GEORGE COURT REPORTING
Cassandra M. Beiling, LCR

22
23
24 ** Reporter's Note: All names are spelled
phonetically unless otherwise provided to the
25 Reporter by the parties.

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1 * * * * *

2 CHAIRMAN BAUGHMAN: Good
3 morning, everyone. Appreciate everybody being here
4 for the quarterly Boiler Rules board meeting. It's
5 good to see your faces. Albeit, it's a
6 rough-looking crowd, I'll say, this morning. It's
7 good everybody is here and made it safe. So with
8 that, I'll call the meeting to order.

9 Starting off, does everybody have an
10 agenda? Agendas are in the back of the room. If
11 you'd like to get one, please do.

12 As a matter of housekeeping and
13 orderly things, please silence your cell phones so
14 that we're not interrupted during the meeting.
15 There's a sign-up sheet in the back. If anybody
16 is going to make any public comments on an agenda
17 item, a voting item, please sign up so that you
18 can have a time to speak at the podium.

19 With that, Mr. Deason, do you have
20 some things to announce?

21 MR. DEASON: The only thing I
22 would say is if you want to interact and talk about
23 what's on the agenda, make public comments, you
24 need to sign up. You need to sign up right here on
25 which one you want to comment on. And comments

1 have to be about an actual agenda item. So we
2 can't talk about whatever our heart's desire is.
3 But please sign up so we'll know that you want to
4 comment, and give you an opportunity to do so.
5 Thanks.

6 CHAIRMAN BAUGHMAN: Thank you,
7 Mr. Deason.

8 Should there be a security issue or
9 if there's any event that we need to evacuate the
10 building, the security will come and direct us out
11 in the manner in which we need to egress. We
12 shouldn't have any weather issues today on this
13 awesomely beautiful day, but should there be any
14 events come up, security will take care of us in
15 that regard.

16 So with that, I think the only other
17 announcement I have before we start introductions
18 is two things; wishing a happy birthday to both
19 Jamie and Mia-Lyn, coming up. But happy birthday
20 to these awesome individuals who really run the
21 place. You may think that others in the division
22 run it, but they actually run it.

23 And then on a rather somber note, we
24 had the passing of a former chief. Sam Chapman
25 had passed away, so we wanted to at least give

1 notification of that during the meeting and to be
2 able to keep him in thoughts and family in prayer.

3 So with that, any other announcements
4 before we start introductions?

5 (No verbal response.)

6 CHAIRMAN BAUGHMAN: So if we go
7 around, if you would, Ms. Owens, introduce yourself
8 and we'll come around clockwise.

9 MS. OWENS: Melissa Owens,
10 legal.

11 MR. DEASON: Chance Deason,
12 legal.

13 MR. HERROD: Tom Herrod,
14 Assistant Commissioner.

15 MS. DIEFENBACH: Jamie
16 Diefenbach, executive admin assistant.

17 CHAIRMAN BAUGHMAN: Dave
18 Baughman, board member.

19 MR. COLLINS: Riley Collins,
20 board member.

21 MR. LASHLEY: Micah Lashley,
22 board member.

23 MR. MAY: Scott May, board
24 member.

25 MR. HENRY: Jeff Henry, board

1 member.

2 THE REPORTER: Cassandra
3 Beiling, Stone & George Court Reporting.

4 CHAIRMAN BAUGHMAN: Thank you
5 very much for those introductions of our staff and
6 folks that are serving on the board.

7 So moving along to item number 3,
8 we've got the adoption of the agenda. So we're
9 going to move an agenda item from old business.
10 We're going to move it back since those folks are
11 running a few minutes late. That's really the
12 only change to the agenda.

13 Upcoming meetings, December the 11th.
14 It was posted as December the 10th. It has now
15 changed to December the 11th on the current
16 agenda.

17 Any questions on the agenda?

18 (No verbal response.)

19 CHAIRMAN BAUGHMAN: Do I have a
20 motion to accept?

21 MR. HENRY: So moved.

22 CHAIRMAN BAUGHMAN: All right.
23 Second?

24 MR. LASHLEY: Second.

25 CHAIRMAN BAUGHMAN: In favor say

1 "aye."

2 (Affirmative Response.)

3 CHAIRMAN BAUGHMAN: Okay. We've
4 got an adoption of the agenda.

5 The meeting minutes and transcript
6 from the June 11th meeting, which was a fairly
7 extensive meeting, any changes to the minutes,
8 things to address on it?

9 (No verbal response.)

10 CHAIRMAN BAUGHMAN: We're good?
11 So do I have a motion to approve?

12 MR. HENRY: So moved.

13 CHAIRMAN BAUGHMAN: Second?

14 MR. COLLINS: Second.

15 CHAIRMAN BAUGHMAN: All in favor
16 vote "aye."

17 (Affirmative response.)

18 CHAIRMAN BAUGHMAN: We have the
19 approval of the meeting minutes and the transcript
20 for June 11th of '25.

21 Thank you for getting those meeting
22 minutes and transcripts into our hands timely,
23 too. That helps a whole lot in the review of
24 them, so thank you. So with that, then, I'll ask
25 Chief Watson and Assistance Chief Cass to come and

1 make the Boiler Unit's reports.

2 MR. WATSON: Good morning,
3 everybody.

4 MR. CASS: Good morning.

5 MR. WATSON: On our inspector
6 highlights, I would like to announce that Benjamin
7 Knight has passed his commission exam and we're
8 getting his commission card given to him today. He
9 will be in the Davidson County area starting out.

10 And we have Donald Stewart, a new
11 hire, who's going to be testing in October. And
12 he will be covering the Williamson County area.

13 And this graph is just showing the
14 State inspections and insurance inspections.
15 Since July 1st, we have, with the State, 3,560
16 inspections performed. With insurance, 5,337.
17 And just a couple of our leaders in the insurance
18 inspections, XLI, Travelers, and HSB, out to the
19 side.

20 2025, we had a pretty great year. We
21 turned out 16,790 total inspections. Our
22 annualized for 2026, we're looking at 19,084, and
23 our 52-week summary is 17,512.

24 And a big highlight right here in mid
25 January, we were around the 9 percent delinquent

1 rate. And with a bunch of help from our
2 inspectors, we got it down to under 1 percent. We
3 are 1.84 percent -- I mean, 0.84 percent
4 delinquent as of today. And this map right here
5 just shows you where our higher delinquents are.
6 Davidson County is looking at 14 delinquents;
7 Rutherford, 15; Shelby County, 15; Wilson 23. But
8 all really low numbers for delinquents.

9 This next graph is showing the
10 violations open, by state vs. insurance. The
11 state opened 205 violations. We've closed 91
12 since. Insurance has opened up 235 violations but
13 1 has been closed so far since January 1.

14 And we'll go on to our variance report.

15 MR. CASS: So as you can see in
16 our variance report, we've got 79 active variances
17 at the moment. Over this last quarter, we did
18 7 inspections. He have 7 passes. One of those was
19 a reinspection that we had a failure on. The
20 attendant didn't follow the procedure properly,
21 called their own person. But they corrected that
22 on the follow-up.

23 And then here, you can you see the
24 7 inspections that were performed: Covenant
25 Health, Knoxville; Stonecrest Medical; McKee

1 Foods; Turkey Creek; and then Stonecrest Medical;
2 and PML, Incorporated; and Carlex Glass.

3 CHAIRMAN BAUGHMAN: Questions?

4 (No verbal response.)

5 CHAIRMAN BAUGHMAN: I'll start
6 off, for either of you. On StoneCrest Medical,
7 what was the failure for?

8 MR. CASS: So the attendant
9 called -- during the call process, they called the
10 wrong person. They didn't follow the call sheet
11 properly.

12 CHAIRMAN BAUGHMAN: And that has
13 been reinspected?

14 MR. CASS: Yes. And passed.

15 CHAIRMAN BAUGHMAN: And that is
16 also -- under the inspections failed, that's that
17 one listed on there previously?

18 MR. CASS: Yes, sir.

19 CHAIRMAN BAUGHMAN: On the
20 violations that are open, that's quite a number of
21 violations. So 235 for insurance with 1 being
22 taken care of. Is that 235 number -- is the 105
23 and 80 incorporated in that 235, since those are
24 both insurance?

25 MR. WATSON: That is. That is.

1 CHAIRMAN BAUGHMAN: Okay.

2 MR. WATSON: That was just
3 showing the leaders and in the violations with
4 Travelers and XLI.

5 CHAIRMAN BAUGHMAN: So what do
6 you attribute the delinquency rates coming down to
7 be?

8 MR. WATSON: Pretty much the
9 hard work from our inspectors. We're just kind of
10 seeing where these are, gathering the locations,
11 trying to do more effective routes, more efficient
12 routes, so we try to take care of a lot more of
13 them in one bulk area.

14 CHAIRMAN BAUGHMAN: Good. I
15 know some of the rural inspectors have a tough
16 time --

17 MR. WATSON: They do.

18 CHAIRMAN BAUGHMAN: -- meeting
19 the numbers and just want to make sure that that's
20 accounted for. Because I know we look at numbers.
21 I just want to make sure numbers don't drive the
22 issue beyond safety. So I want to make sure that
23 the time is being expended to do a competent and
24 conscientious inspection, that we're not just
25 trying to work through on getting numbers down.

1 MR. WATSON: Yes, sir. Yeah.
2 Our system with JRS, we have a route-building
3 system now that gives you an efficient route. So
4 they can type in whatever they have for the day,
5 and it will give them the perfect route to go
6 around, so it saves time that way.

7 CHAIRMAN BAUGHMAN: With that
8 question in mind, how much time is given -- being
9 that a route is being given efficiently in that
10 logarithm or equation, how much time is being given
11 for an inspection?

12 MR. WATSON: The inspection
13 would just kind of vary. If it's like a CL monitor
14 on the alarm, if they go in, they'll still look at
15 the equipment and make sure everything is still in
16 order and verify the alarm is actually working and
17 proper. So it can go anywhere from ten minutes for
18 that, or if they need to do any testing, it could
19 go an hour, hour and a half.

20 CHAIRMAN BAUGHMAN: Okay. Good.
21 So an internal can take the amount of time that's
22 needed.

23 MR. WATSON: Yes.

24 CHAIRMAN BAUGHMAN: Great.
25 Super.

1 MR. WATSON: Yes, sir.

2 CHAIRMAN BAUGHMAN: I would
3 assume so and just wanted to make sure that I asked
4 as the question came up in my mind.

5 Any questions for the Chief and the
6 Assistant?

7 MR. HERROD: Mr. Chairman, I
8 want to emphasize -- show the delinquency rate
9 again, the chart. I want you to appreciate what
10 this group has done. I've been here six years and
11 never has the delinquency rate been below
12 3 percent. And now we're down equal to or better
13 than non-state inspections.

14 And secondly, we've had audit
15 findings since 2014, for delinquent inspections
16 for boilers, and we finally got a clear audit this
17 last time.

18 So I'm happy. Commissioner is happy.
19 You should be happy about this, too.

20 CHAIRMAN BAUGHMAN: Yes. I
21 think we all --

22 MR. HERROD: And I want to
23 commend Chief and Assistant Chief and all the
24 inspectors for an excellent -- this is unheard of,
25 because other states have delinquency rates in

1 double figures. And when I say double figures, I'm
2 talking 10, 20, 30, 40, even 50 percent in some
3 states.

4 CHAIRMAN BAUGHMAN: Absolutely.

5 MR. HERROD: Okay.

6 CHAIRMAN BAUGHMAN: It's to be
7 commended. Any of us that have been here for any
8 length of time have seen the change on what's going
9 on. And both within -- as you're looking at the
10 graph, you see both the state and the insurance,
11 and so that's reflected upon insurance also
12 stepping to the plate and helping get these rates
13 down to a very, very good level. So, everybody,
14 appreciate it. Good effort.

15 All right. No other questions?

16 (No verbal response.)

17 CHAIRMAN BAUGHMAN: Good report,
18 guys. Thank you very much.

19 Tom, thank you for that input.

20 So we've got Number 6, Old Business.
21 So we do have -- I believe Jack Daniel's has come
22 in. Glad you're here safe. Are you ready to come
23 to the podium and present?

24 MS. SCHMIDT: Good morning.

25 CHAIRMAN BAUGHMAN: Good

1 morning.

2 MS. SCHMIDT: So, Kristen
3 Schmidt, operations manager for Jack Daniel's.

4 MS. BEST: Megan Best,
5 automation engineer for Jack Daniel's.

6 MS. SCHMIDT: So yes, Old
7 Business. We went back and made some revisions to
8 the operations manual for Number 18. I've
9 resubmitted. So we think we've made the
10 corrections that you guys asked for. And thanks
11 for having us back today.

12 CHAIRMAN BAUGHMAN: Thanks for
13 coming back.

14 First, I'll ask if there are any
15 conflicts of interest from a business standpoint,
16 not a product standpoint.

17 MR. LASHLEY: Thanks for making
18 the clarification.

19 CHAIRMAN BAUGHMAN: Thought we
20 might need it.

21 (No verbal response.)

22 CHAIRMAN BAUGHMAN: Okay. So no
23 conflicts of interest? Very good.

24 So they've made the presentation.
25 Motion to discuss?

1 MR. HENRY: So moved.

2 MR. MAY: Second.

3 CHAIRMAN BAUGHMAN: Second? All
4 right.

5 So, questions for Kristen and Megan?
6 How is that big 2,000 horse power
7 boiler doing?

8 MS. SCHMIDT: We're, I would
9 say, still in the commissioning phases of getting
10 all the kinks worked out, but so far so good.

11 CHAIRMAN BAUGHMAN: It's a big
12 fire-tube boiler.

13 MS. SCHMIDT: It is.

14 CHAIRMAN BAUGHMAN: I know
15 previously, we had a conversation on this e-stop
16 being hardwired, but it's with fiber through a
17 relay.

18 MS. SCHMIDT: Correct. And we
19 did add some documentation into this that shows a
20 little more detail on that circuit and what that
21 looks like.

22 CHAIRMAN BAUGHMAN: And if I'm
23 not mistaken, that's a dedicated fiber. There's
24 nothing else --

25 MS. BEST: Correct. It's a

1 dedicated route, yes.

2 CHAIRMAN BAUGHMAN: So in
3 essence, it's hardwired, albeit it's fiber. That's
4 something that's a little out of the norm than what
5 we've addressed on the board before.

6 MS. SCHMIDT: Okay.

7 CHAIRMAN BAUGHMAN: But I just
8 wanted to bring it up, as technology changes and as
9 those that write the variances up, this is somewhat
10 of a precedent setter; so henceforth, why the
11 questions before.

12 Go ahead, Megan. You were going to
13 expand a little bit?

14 MS. BEST: I was going to say if
15 you'd like to look at page 13, you'll see how that
16 circuit is routed. So our control room location
17 here is up at the top location. You've got your
18 e-stop button which comes down through a relay
19 which is independently powered. Should that relay
20 be opened, it will interrupt the relay on the other
21 side. You can see the dotted lines there on your
22 dedicated fiber, which will stop the Autoflame MK8
23 terminal.

24 Additionally, that relay on the other
25 side is individually powered and the circuit on

1 there is separate. And so the power to the relay
2 does not depend on the power to the building.

3 CHAIRMAN BAUGHMAN: Should those
4 relays fail in the closed position, what's the
5 protocol on that being found?

6 MS. BEST: So the relay is a
7 normally open relay, so for it to fail in the close
8 position would already be an event in which it
9 would fail when it was triggered since it would
10 have to be energized in order for it to weld in
11 that position.

12 There's also an alarm circuit that's
13 built in to the receiving side. If it's not
14 receiving the pulses from the previous relay, it
15 will fail in circuit and line.

16 CHAIRMAN BAUGHMAN: And
17 enunciation?

18 MS. BEST: It does enunciate
19 both locally at the terminal and the boiler and
20 enunciates back to the control room via audible and
21 alarm.

22 CHAIRMAN BAUGHMAN: Good answer.

23 When do you expect commissioning to
24 be complete?

25 MS. SCHMIDT: It is operational.

1 I would say we've just had some kind of lingering
2 quirks with some alarms that have been resolved,
3 some feedwater valve tuning and that sort of thing.
4 So we're about there. I think we're ready for
5 inspection. I'll say that.

6 CHAIRMAN BAUGHMAN: That was
7 where I was kind of directing towards, so...

8 MS. SCHMIDT: Yeah.

9 CHAIRMAN BAUGHMAN: Okay.

10 MS. SCHMIDT: We're about
11 30 days out from our plant-wide shutdown, so I
12 would just ask that inspection happen in mid
13 November after we get out of our shutdown. But
14 other than that, it is ready.

15 CHAIRMAN BAUGHMAN: Very good.

16 MR. COLLINS: And on the topic
17 of commissioning, during this time, the alarm and
18 tolerance limits are being set as far as the, I
19 guess, events that will trigger?

20 MS. SCHMIDT: Yes.

21 MR. COLLINS: Okay. Because it
22 says, yeah, the alarm and tolerance limits are
23 determined by the boiler installer at the time of
24 commissioning.

25 MS. SCHMIDT: Yes.

1 MS. BEST: Right. So they do
2 all alarm now. But as far as what their exact
3 limits are, those were set by the boiler
4 commission.

5 CHAIRMAN BAUGHMAN: There were
6 still issues that linger in my mind, as a boiler
7 man, on the determination of alarms, which ones are
8 considered serious by the remote station personnel.
9 And if I'm not mistaken, there's alarms that can
10 enunciate that aren't necessarily considered
11 important to where they have to know to shut things
12 down; is that correct?

13 MS. BEST: I would say that
14 anything that you are involved in where the boiler
15 needs to shut down, the boiler is going to shut
16 down. And most of that is tied in directly to the
17 Autoflame's capability of doing its monitory. So
18 it's going to inform you that it has shut down.
19 It's not going to ask you if you want to shut it
20 down; it's just going to shut down. So those would
21 be your top-tier alarms.

22 Your secondary alarms are things
23 where it's like you may have a little bit more
24 time to look at where it may be a normal operation
25 consideration where you have like a reduced or

1 increased pressure depending on demand, but that
2 the operators know the situation in which that's
3 happening and whether or not that's expected.

4 CHAIRMAN BAUGHMAN: So for me,
5 I'm looking at things that are considered nuisance
6 over the time of operation. Nuisance alarms, we
7 have all seen, or what gets considered a nuisance
8 alarm; i.e., a lot of times it will be water
9 bouncing, and you'll get a low-water alarm. It
10 won't necessarily be to where it shuts the boiler
11 off, but it'll be a low-water alarm or a bouncing.
12 And I want to make sure that -- and I know all
13 these folks are trained extremely well. We don't
14 rub elbows with them, so we're talking that
15 information as it's presented. But somebody is
16 making the determination of what's a nuisance. And
17 that's just, you know, food for thought.

18 Bothersome on this end, not that it
19 is enough to ax anything. I just -- in the realm
20 of alarms, especially on low water, those are --
21 most boilers melt instead of blowing up, so we're
22 always, you know, pretty -- looking closely at
23 that in the thing.

24 The inspectors will go over that,
25 though, when they come in and do their inspection

1 and run it through its paces. They'll know how
2 things are done. Thanks for that comment. It
3 doesn't really have a lot of bearing. It's more
4 of a comment.

5 MS. BEST: Well, it's just that
6 at the end of the day, you know, we trust the
7 certifications and the approving that Autoflame has
8 to go through in order to make this controller.
9 And we trust the controller and we trust our
10 operators.

11 Because of the system that we're
12 using where we do have as much information coming
13 across from that controller, the operators are
14 pretty capable of looking at their screen and
15 getting a very accurate picture of what's going on
16 with that boiler which gives them the information
17 that they would need to make that determination of
18 is this a bounce or is this a -- you know, is this
19 an operational derived bounce or is this an
20 indication of a failure.

21 CHAIRMAN BAUGHMAN: You bet.
22 Does this boiler have the original Johnson burner
23 or has it got a Limpsfield on it?

24 MS. SCHMIDT: It's got the
25 Limpsfield on it.

1 CHAIRMAN BAUGHMAN: Okay. Big
2 Limpsfield. So being an English company, I would
3 assume all the spare parts -- that's again, more
4 operational for your guys, but that's always a
5 consideration in spark parts and things, both on
6 the burner and the control. But that's y'all's --

7 MS. SCHMIDT: Yeah. And we do
8 have boilers that -- existing boilers prior to this
9 that have our Limpsfield on it. We operate those
10 with an attendant in the building, so we don't have
11 variances documented for those. But we've used
12 them at our second distillery.

13 CHAIRMAN BAUGHMAN: Okay. You
14 just made a comment you don't have variances...

15 MS. SCHMIDT: We have an
16 attendant at that boiler building.

17 CHAIRMAN BAUGHMAN: Got you.
18 Okay.

19 MS. SCHMIDT: Yeah.

20 CHAIRMAN BAUGHMAN: I was just a
21 little -- thank you.

22 MS. BEST: We've got a lot of
23 boilers.

24 MS. SCHMIDT: Yeah. This is our
25 fifth one coming on line.

1 CHAIRMAN BAUGHMAN: Super.

2 Thank you.

3 Other questions to address for
4 Kristen and Megan?

5 Who's the -- is your inspection
6 through insurance typically? I know this first
7 one will be State, but through insurance?

8 MS. SCHMIDT: Yes. Aramark.

9 CHAIRMAN BAUGHMAN: And you're
10 with...

11 MR. EDWARDS: XL.

12 CHAIRMAN BAUGHMAN: XL.

13 MR. EDWARDS: Yes, sir.

14 CHAIRMAN BAUGHMAN: Your name
15 for the record?

16 MR. EDWARDS: Mark Edwards.

17 CHAIRMAN BAUGHMAN: Mark
18 Edwards. Thank you, Mark.

19 MR. EDWARDS: Yes, sir.

20 CHAIRMAN BAUGHMAN: I noticed
21 your highlighted placard in here.

22 MS. SCHMIDT: Yes, sir.

23 CHAIRMAN BAUGHMAN: I appreciate
24 that.

25 MR. COLLINS: And one thing I

1 wanted to mention, as you indicated this, of
2 course, the information that's coming across the
3 panel and the attendant being able to, I guess,
4 take all that into consideration when they're
5 making that -- it says on bullet number 1, low
6 water and high steam pressure. Those are going to
7 be automatic cut-offs anyway, but those will also
8 be automatic for the operator to --

9 MS. SCHMIDT: Correct.

10 MR. COLLINS: -- hit the e-stop?
11 Okay.

12 MS. BEST: So you've got a -- I
13 didn't put the full Autoflame documentation in
14 here, but they have a series of circuits that have
15 redundant sensors for cutting off anything that
16 would be considered an emergency.

17 What the operators can then see are
18 things like, you know, the actual level that's
19 coming back. So if you were to hit a warning
20 condition and it's like, hey, by the way, the
21 water is getting low, they can observe that and
22 determine whether or not they think that
23 additional action needs to be taken.

24 CHAIRMAN BAUGHMAN: Thinking of
25 low water and the alarms, is the alarm on both

1 primary and secondary, or just the secondary?

2 MS. BEST: The alarm itself will
3 come in when the Autoflame detects low water, which
4 it detects as I want to say it's primary and
5 secondary. But it's according to what's in
6 Autoflame's information.

7 CHAIRMAN BAUGHMAN: Secondary
8 will cause a manual reset or a lockout for manual
9 reset. Primary, not so much.

10 MS. BEST: If it does happen on
11 secondary, they cannot reset it remotely. They do
12 have to go to the boiler and reset it and observe
13 the situation. But I believe, if I'm not mistaken,
14 that they still get the information when the
15 primary itself triggers.

16 CHAIRMAN BAUGHMAN: And I'm
17 assuming the boiler has high water also.

18 MS. BEST: Right.

19 CHAIRMAN BAUGHMAN: Is the
20 deaerator monitored?

21 MS. BEST: In which regard? It
22 is monitored.

23 CHAIRMAN BAUGHMAN: I'm just
24 curious. It's not a part of the variant, at least
25 presently.

1 MS. BEST: So on this particular
2 boiler, we brought that system into PCS 7 directly,
3 which is our primary control system, and it is
4 monitored. So we receive certain alarms from it.
5 We receive pressure and level. And then we get the
6 status as to whether or not pumps are running. And
7 we have several flow meters there. We have a flow
8 meter for what's coming out of the DA, I believe.
9 Yeah.

10 CHAIRMAN BAUGHMAN: So a
11 separate system, and these are modulating feedwater
12 that you've got on this. I don't know if it's
13 through a valve or if it's VFD on the pumps or not.
14 But a lot of times, if you lose -- not knowing the
15 system, but the DA is such an integral part of the
16 boiler, so I didn't know in what respect we're
17 monitoring.

18 It doesn't have anything to do with
19 the variance so it's more of a curiosity thing,
20 curiosity on my part. So in the sense of moving
21 things along, I'll stop my comments on deaerators.

22 MS. BEST: It is controlled
23 through a motor control valve, and it does feed up
24 through a flow meter, which we receive that flow
25 all the time. And that flow is monitored and

1 recorded.

2 CHAIRMAN BAUGHMAN: Very good.
3 Thank you, Megan.

4 Jeff, Scott, Micah, Riley, anything?

5 MR. HENRY: Just a quick couple
6 of minor clarifications. On page 1, you talk about
7 the hard copy of the manual. You say, "This manual
8 may be physically located" at the particular
9 location, which kind of implies that it may not be
10 as well. So if that's the case, where would it be
11 located?

12 MS. BEST: It's not a "maybe,"
13 as in it might be. It should be "may" and "be" as
14 two separate words. Correct?

15 MS. SCHMIDT: The manual?

16 MS. BEST: Yes. "May" and "be,"
17 two separate words, as opposed to "maybe," which
18 would be one word which would imply that it's an
19 option.

20 This is that it is found at this
21 location.

22 MR. HENRY: Okay. So then it
23 should say, "The manual will be located at this
24 location."

25 MS. SCHMIDT: Okay.

1 MS. BEST: Well, maybe it won't
2 be. Maybe someone has moved it.

3 MR. HENRY: Well, that's kind of
4 the question. Where would they move it to?

5 MS. BEST: Who knows? It
6 shouldn't be moved, but it's not cemented down.

7 MR. LASHLEY: Maybe "shall"?

8 MS. SCHMIDT: Or we could say
9 may be found in the control room.

10 MS. BEST: I mean, its standard
11 location is at that location.

12 MS. SCHMIDT: It's physically
13 there.

14 MR. HENRY: Okay. That
15 clarifies it. Thank you.

16 And then on page 16, you talk about the
17 duties of the operators at the remote station. It
18 says they may be gone for five minutes for a
19 particular function. Does somebody come in to
20 occupy the remote station if they're gone for that
21 five minutes when the remote station is
22 unattended?

23 MS. BEST: Not in every
24 condition. Typically, if they're gone, they're
25 going to be going for something like going to the

1 restroom or going to a location within that same
2 building rather than leaving the building itself.

3 You know, under the standard
4 operating procedures, you don't have to have
5 somebody monitoring that boiler 24/7. It's
6 like -- what is it? You have what is it, a
7 15-minute allowance?

8 MS. SCHMIDT: That is my
9 understanding.

10 MS. BEST: I believe it is a
11 15-minute allowance there as long as they're
12 monitoring it most of the time.

13 So, I mean, in this instance, the
14 five minutes that they may leave, we try to keep
15 them leaving to five minutes or less. But it's
16 basically, you know, a bathroom break, might have
17 to take a phone call.

18 They're not far from the building or
19 they're not far from the main control station.
20 They can very easily get back into it. If someone
21 else is available, and most of the time they are,
22 they would step in and be there.

23 MR. HENRY: Okay. Thank you.

24 MS. BEST: Due to the fact that
25 the location that we monitor these boilers is at is

1 also the location where our haulers and, you know,
2 like our feed purchasers and everything check out
3 from, it can't be left unattended for very long or
4 we'll get a whole lot of angry phone calls in about
5 two seconds.

6 CHAIRMAN BAUGHMAN: Anything
7 else you would like to address? Questions?
8 Concerns?

9 MR. LASHLEY: In your training
10 metrics, you've got Boiler/Byproducts technician,
11 and in your org chart, I see "operator." Are those
12 interchangeable titles?

13 MS. SCHMIDT: Yes.

14 MR. LASHLEY: Okay.

15 CHAIRMAN BAUGHMAN: Remind me
16 again who is in charge of training.

17 MS. SCHMIDT: So our supervisor
18 is directly responsible, and then our lead
19 operators are the ones who conduct the training.

20 CHAIRMAN BAUGHMAN: And turnover
21 of those personnel is...

22 MS. SCHMIDT: Very, very little.

23 MS. BEST: Hey, Joe, how long
24 have you been with Jack Daniel's?

25 MR. MORSE: Sixteen years.

1 CHAIRMAN BAUGHMAN: Okay.

2 MS. BEST: He's a supervisor.

3 CHAIRMAN BAUGHMAN: Still a
4 rookie.

5 MS. SCHMIDT: Three whiskey
6 cycles. Almost four whiskey cycles.

7 CHAIRMAN BAUGHMAN: Very good.

8 All right. Any other questions?

9 (No verbal response.)

10 CHAIRMAN BAUGHMAN: Micah,
11 you're good?

12 MR. LASHLEY: (Nods head.)

13 CHAIRMAN BAUGHMAN: All right.
14 So do we have a motion to accept as presented,
15 pending inspection by the Chief and/or Assistant
16 Chief?

17 MR. COLLINS: So moved.

18 CHAIRMAN BAUGHMAN: Do we have a
19 second?

20 MR. LASHLEY: Second.

21 CHAIRMAN BAUGHMAN: So I'll
22 bring it to the vote. All in favor say "aye."

23 (Affirmative Response.)

24 CHAIRMAN BAUGHMAN: Opposed?

25 (No verbal response.)

1 CHAIRMAN BAUGHMAN: Not voting?

2 (No verbal response.)

3 CHAIRMAN BAUGHMAN: Very good.

4 Kristen, Megan, you have an approved variance
5 pending upon inspection.

6 MS. SCHMIDT: Perfect. Thank
7 you guys so much.

8 CHAIRMAN BAUGHMAN: Thank you
9 for coming in.

10 MS. BEST: Appreciate it.

11 CHAIRMAN BAUGHMAN: So that
12 moves us on to Number 7, New Business, A. Variance
13 Requests, West Tennessee Healthcare - North
14 Hospital in Jackson, Tennessee, seeking an
15 attendant variance approval for its two boilers.

16 We've got two gentlemen at the
17 podium. One looks familiar, but I'll ask you both
18 to introduce yourselves.

19 MR. NEVILLE: I'm James Neville
20 with Neville Engineering.

21 MR. SELLERS: Doug Sellers,
22 facilities, West Tennessee Healthcare.

23 CHAIRMAN BAUGHMAN: Okay. Thank
24 you for being here.

25 I'll ask the question, are there any

1 conflicts of interest on this item?

2 MR. LASHLEY: No, sir.

3 CHAIRMAN BAUGHMAN: None?

4 If you'll make your presentation and
5 then we'll have a motion to discuss.

6 MR. NEVILLE: We're here today
7 to request a modification to an existing variance.
8 This was brought on by a boiler upgrade in that a
9 Kewanee boiler was replaced with a Cleaver-Brooks
10 boiler.

11 And we can go through the changes
12 that were made. In Appendix I, we list the
13 changes to the variance. And then we've got a
14 couple items that we would like to upgrade to this
15 variance as well that has recently come up.

16 As just a brief introduction, this is
17 west Tennessee Healthcare - North Hospital,
18 located in Jackson, Tennessee. This hospital has
19 150-bed capacity. And the two high-pressure
20 boilers are operated on demand 24/7, and that
21 high-pressure steam is used for heat and the
22 sterilizers.

23 As far as with this modification,
24 Mr. Sellers here is the individual responsible for
25 the boilers now. So that is a change on page 1.

1 Then if we switch over to Appendix I,
2 I can go through the changes that were made to
3 those variances.

4 So as far as on page 5, we updated
5 yearly training for the individuals in the
6 variance. Then on Appendix A, we have updated
7 information on the cleaver-Brooks boiler that was
8 newly installed. On your sheet on Appendix A, you
9 may not have had the National Board number. I do
10 have that number here now. It is 23807.

11 And those new boilers will have the
12 Hawk 4000 control system installed on that.

13 CHAIRMAN BAUGHMAN: You just
14 said plural boilers, new boilers.

15 MR. SELLERS: Just one.

16 MR. NEVILLE: One new boiler.

17 CHAIRMAN BAUGHMAN: Very good.
18 Just one? Making sure.

19 MR. SELLERS: One new boiler.
20 And then we're retrofitting the controls on the
21 older boiler to match the new one.

22 CHAIRMAN BAUGHMAN: Got you.

23 MR. NEVILLE: Right. So in
24 the -- we show that the Hawk 4000 controller on the
25 other boiler is new.

1 Then Appendix E, we have an updated
2 site plan. And then, as far as the checklist, we
3 updated to Rev. 12 of the checklist.

4 Then one update that we have
5 regarding our log sheet, we show the old version
6 of the log sheet. We do have a new version of the
7 log sheet that -- for the daily alarm checks for
8 the variance system back to the remote station.
9 So there's a sign-off sheet on that, so I will add
10 that to the updated variance showing this sheet as
11 well.

12 And the final update will be
13 Appendix G, as far as boiler training. And
14 Mr. Sellers can talk about the boiler training for
15 the boiler attendants.

16 CHAIRMAN BAUGHMAN: What page G
17 is that?

18 MR. NEVILLE: G will -- I mean,
19 that will be for the boiler attendants. So on I-5,
20 I don't list that as one that you have, but this is
21 additional training that they've just instituted
22 for all their boiler attendants.

23 CHAIRMAN BAUGHMAN: So it's not
24 in our Appendix G.

25 MR. NEVILLE: It's not in your

1 Appendix G yet. It will be, but I can have
2 Mr. Sellers talk about that training.

3 CHAIRMAN BAUGHMAN: Okay. You
4 just referenced Appendix G, and I was going, where?

5 MR. NEVILLE: Well, yeah.
6 Appendix G is just job descriptions, and so we will
7 be adding that training to the job description.

8 CHAIRMAN BAUGHMAN: Got you.
9 Thank you.

10 Is that it, Mr. Neville?

11 MR. NEVILLE: That's it.

12 CHAIRMAN BAUGHMAN: Okay.

13 MR. HENRY: Could you explain
14 what that training is?

15 MR. SELLERS: Yes, sir. It's a
16 two-part training. The first part is training on
17 general mock boiler operation; the primary checks
18 that are done every four hours, as well as
19 shut-down procedures. And then the second part of
20 that training involves the variance and what is
21 entailed in the variance.

22 We actually, when we -- we failed --
23 so at West Tennessee Healthcare in Jackson,
24 Tennessee, we have the main hospital. It's about
25 a 600-bed facility. And then the one that's under

1 consideration is our North hospital where we just
2 do orthopedic cases. So it operates under the
3 same license, so it's a subsidiary of that. And
4 so we base our North training off of the main
5 training.

6 But it's two part. One is how we
7 record, how we monitor, how we record things in
8 the log, critical things to look for. And then
9 the second part of it is variance.

10 So about a year ago, after we failed
11 our reinspection, we actually do mock tests on a
12 weekly basis now where we go through the procedure
13 and call this.

14 We're wrapping up. We've got -- the
15 new boiler is online and operating. We're
16 wrapping up the controls on the electrical wiring
17 on the existing. It should be done by the end of
18 the month.

19 So the training at the North Hospital
20 will encapsulate the company that was responsible
21 for the installation of power equipment out of
22 Memphis. So that will be that training.

23 And then from that, we're going to
24 develop a training program for the boilers
25 specifically and then set up a testing protocol

1 against our variance so it's two part.

2 MR. HENRY: You'll be doing that
3 internally, then?

4 MR. SELLERS: Yes, sir.

5 MR. HENRY: Okay.

6 CHAIRMAN BAUGHMAN: So I'm going
7 to go ahead and call -- now that we're finished
8 with the presentation, I'll call for a motion to
9 discuss.

10 MR. MAY: Motion.

11 CHAIRMAN BAUGHMAN: Second?

12 MR. LASHLEY: Second.

13 CHAIRMAN BAUGHMAN: All right.

14 MR. SELLERS: Did I answer your
15 question, sir?

16 MR. HENRY: Yes, you did. Thank
17 you.

18 CHAIRMAN BAUGHMAN: So if I'm
19 understanding right, the boiler is operational.

20 MR. SELLERS: Yes, sir.

21 CHAIRMAN BAUGHMAN: But we're
22 not operating under the variance with it.

23 MR. SELLERS: No, sir. We're
24 doing one-hour checks right now.

25 CHAIRMAN BAUGHMAN: One-hour

1 checks?

2 MR. SELLERS: Yes, sir.

3 CHAIRMAN BAUGHMAN: And they're
4 being logged?

5 MR. SELLERS: Yes, sir.

6 CHAIRMAN BAUGHMAN: Very good.
7 And so are you going to be responsible for the
8 continued training yourself?

9 MR. SELLERS: I'll be
10 responsible for the oversight of the training. We
11 actually have a boiler attendant at our main
12 hospital that has developed the two-part training.
13 And so I will be responsible for the oversight of
14 the training, but I will not be doing the training
15 myself.

16 CHAIRMAN BAUGHMAN: Okay. So
17 this one person at the other facility, you say?

18 MR. SELLERS: Yes. It will be
19 Mr. Dillon Scobey, who is presently here today.

20 CHAIRMAN BAUGHMAN: Hey, Dillon.
21 Glad you're here, buddy. So being that said, your
22 experience in boilers and operations?

23 MR. SCOBAY: I have my
24 experience with the boilers as the contractors of
25 our equipment have been coming and working on the

1 boilers. And I've been working alongside them.

2 CHAIRMAN BAUGHMAN: Okay. Very
3 good. So not a long time.

4 MR. SCOBEE: I would say around
5 a year.

6 CHAIRMAN BAUGHMAN: I'm sorry,
7 again?

8 MR. SCOBEE: One year.

9 CHAIRMAN BAUGHMAN: One year.

10 MR. SELLERS: One year at the
11 North hospital, yes, sir.

12 CHAIRMAN BAUGHMAN: Okay. All
13 right. But you're in charge of the training.

14 MR. SELLERS: He will be once
15 our equipment comes in. We get both boilers
16 operational in a primary, secondary role, and we
17 will take the training that we have for our main
18 hospital, we will change it, too, because we've got
19 four units there and a different protocol. So he
20 will be responsible for modifying or editing what's
21 been set up now, yes, sir.

22 CHAIRMAN BAUGHMAN: And you
23 mentioned that the variance that they had at the
24 other facility -- did I hear you say that they had
25 failed?

1 MR. SELLERS: We had failed a
2 reinspection a few years ago. The inspector showed
3 up and we put the boiler in alarm, and there was --
4 it took awhile for the folks to get there. So even
5 though the boiler inspector there says, well, let's
6 wait a little bit longer, I said, no, we failed.
7 We should have already responded.

8 So that's when we came in, a
9 reinspection was done I'm going to say roughly a
10 month later, and then we decided to start doing,
11 you know, mock testing. Because it's like
12 anything else; if you don't do it on a regular
13 basis or you don't have that protocol, you run the
14 risk of forgetting.

15 CHAIRMAN BAUGHMAN: And that's
16 how you learn.

17 MR. SELLERS: Exactly. Yes,
18 sir.

19 CHAIRMAN BAUGHMAN: I'm glad. I
20 was just curious as to what the failure mechanism
21 was if --

22 MR. SELLERS: Yeah. And we're
23 going to be implementing that at the North Hospital
24 also.

25 CHAIRMAN BAUGHMAN: Very good.

1 Should Dillon leave, then who steps into that
2 position?

3 MR. SELLERS: Well, it would
4 still fall back to our main boiler operator at the
5 main hospital to bring in. We would interview,
6 select a candidate based on their experience,
7 willingness to learn, and then they would go
8 through that training protocol along with the other
9 four technicians at the North hospital.

10 CHAIRMAN BAUGHMAN: Okay. Are
11 we using any of those personnel at the other
12 hospital as boiler attendants for here?

13 MR. SELLERS: No, sir.

14 CHAIRMAN BAUGHMAN: Okay.

15 MR. SELLERS: You say "for
16 here"; for the main hospital?

17 CHAIRMAN BAUGHMAN: For this
18 facility at South that we're --

19 MR. SELLERS: Yeah. The North
20 hospital has a total of five associates under the
21 leadership of Dillon for all things related to the
22 boiler.

23 CHAIRMAN BAUGHMAN: Very good.
24 And separate from that facility, they're at this
25 facility.

1 MR. SELLERS: Yes, sir, that's
2 correct. They're dedicated.

3 MR. COLLINS: On the topic of
4 training and just the boiler attendant personnel, I
5 noticed that security officer is listed. And under
6 their job description, it does say, "Boiler
7 attendant/monitor as may be necessary and
8 assigned."

9 Are the security officers going
10 through all of the required training?

11 MR. SELLERS: No.

12 MR. COLLINS: Okay.

13 MR. SELLERS: They're only doing
14 the monitoring. They're recording it, and then as
15 we go up the -- if there's an issue, the boiler is
16 shut down. That's the reason we have two. We have
17 redundancy, being a hospital. So they're doing the
18 checks if there -- if an alarm -- it would go into
19 alarm, that security officer is by no means
20 touching anything on the boiler. At that point, a
21 facilities -- the team is called in if it's after
22 hours. So they're only monitoring.

23 MR. COLLINS: So is a security
24 officer at some -- like at some point in time
25 during one of the shifts if it's after hours, are

1 they the only boiler attendant that's present on
2 site?

3 MR. SELLERS: Yes.

4 CHAIRMAN BAUGHMAN: And so in
5 the wording under G-17, "Boiler attendant/monitor
6 as may be necessary and assigned," for the job
7 description of security officer, if they're not
8 going to be classified as a boiler attendant, then
9 we need to modify that job description and just
10 have it as boiler monitor.

11 MR. NEVILLE: We can make that
12 change.

13 CHAIRMAN BAUGHMAN: Yes. How
14 many security personnel are at the facility in
15 particular during, let's say, a third shift?

16 MR. SELLERS: Typically, two to
17 three. There's one that's making the rounds, doing
18 the boiler checks. There's one -- it is a 24/7
19 E.D., so we do keep a security officer there also.

20 CHAIRMAN BAUGHMAN: So is the
21 remote station, does it have personnel 24/7?

22 MR. SELLERS: Yes, sir.

23 MR. NEVILLE: Yes.

24 CHAIRMAN BAUGHMAN: Can they
25 ever be called out on emergency outside of that,

1 i.e., whatever constitutes an emergency in a
2 hospital?

3 MR. SELLERS: It is always
4 monitored. Because of the fact that it's an E.D.,
5 they're interfacing not only with the E.D. staff;
6 they're interfacing with the paramedics, so that
7 seat is always warm.

8 CHAIRMAN BAUGHMAN: E-stops are
9 hardwired?

10 MR. NEVILLE: Yes.

11 CHAIRMAN BAUGHMAN: Individual
12 e-stops for the boilers?

13 MR. SELLERS: Yes, sir.

14 CHAIRMAN BAUGHMAN: And so
15 you're able to just hit an e-stop and shut that one
16 boiler off?

17 MR. SELLERS: Yes, sir.

18 CHAIRMAN BAUGHMAN: Do you know
19 it's a requirement to have one e-stop shut both
20 boilers --

21 MR. SELLERS: That's correct.
22 We have that also.

23 CHAIRMAN BAUGHMAN: Okay.

24 MR. SELLERS: Yeah. We have
25 separate e-stops and then we have universal

1 e-stops.

2 CHAIRMAN BAUGHMAN: Okay.

3 Describe to me which is which in your site plan.

4 Where is the individual and where is the one that
5 cuts off both boilers?

6 MR. SELLERS: The individual is
7 there at the boiler itself. The ones that shut
8 both off are remotely located at points of egress
9 and exit in our boiler room.

10 CHAIRMAN BAUGHMAN: Very good.

11 MR. NEVILLE: And we do show
12 those on D-4.

13 CHAIRMAN BAUGHMAN: Yes. That's
14 what I'm looking at.

15 MR. NEVILLE: Okay. Is the
16 boiler room kept locked?

17 MR. SELLERS: Yes, sir. Well,
18 when you say "locked," it is secured either by a
19 lock or a badge reader. I don't have my badge but
20 not anyone is allowed in the boiler room.

21 CHAIRMAN BAUGHMAN: Who is your
22 inspector?

23 MR. SELLERS: Travelers.

24 CHAIRMAN BAUGHMAN: Travelers?

25 MR. SELLERS: Yes, sir.

1 CHAIRMAN BAUGHMAN: Okay. Do
2 you have Danielle Bonnell or...

3 MR. LASHLEY: Scott Box is in
4 that area.

5 CHAIRMAN BAUGHMAN: Scott?

6 MR. SELLERS: Yeah. I think
7 that's correct.

8 CHAIRMAN BAUGHMAN: Is Scott
9 working with Travelers?

10 MR. LASHLEY: Box, not Boggs.

11 CHAIRMAN BAUGHMAN: Box, I'm
12 sorry.

13 MR. COLLINS: One thing I wanted
14 to point out. I know we had already kind of -- or
15 you had already mentioned the response time. On
16 page 6, it indicates that acknowledgment of the
17 alarm must happen within three minutes. On page 9,
18 it says that it has to happen within two minutes.
19 And then on page 10, it says it has to happen
20 within one minute. So just, I guess, streamlining
21 those just for consistency, just making sure
22 everyone is on the same page.

23 MR. NEVILLE: Okay.

24 MR. COLLINS: And also, just to
25 clarify, as we had indicated earlier with the

1 security officer being more of a boiler monitor
2 rather than an attendant, during an emergency
3 procedure, a boiler attendant who has been through
4 the training that's not the security officer would
5 be summoned to the hospital; is that correct?

6 MR. SELLERS: That's correct.

7 MR. COLLINS: The security
8 officer would not be summoned the boiler room.

9 MR. SELLERS: No.

10 MR. COLLINS: Okay.

11 CHAIRMAN BAUGHMAN: So being
12 that these units are dual fuel, do you check these
13 parameters also in Number 2 fuel oil?

14 MR. SELLERS: Yes. Yeah, we're
15 under a potential curtailment with our local
16 utility provider, JEA. That was one of the driving
17 forces that caused us to go -- to upgrade this
18 boiler. Aside from the fact that it was 40 years
19 old, it was somewhat antiquated. It was unable to
20 be operated on fuel oil.

21 And so in the wintertime, we'd do
22 anywhere from 16 to 30 cases a day, orthopedic.
23 And when we're limited to only one boiler that
24 could run on fuel oil, it limited the number of
25 cases that we could do. So this right here allows

1 us to operate in normal operating mode.

2 CHAIRMAN BAUGHMAN: Very good.

3 I would make the recommendation back when the
4 inspections are done that since we typically are
5 doing the inspections, firing on the primary fuel
6 but the secondary fuel rarely gets checked, and
7 being that we can operate on secondary fuel, I
8 would have a recommendation of checking the
9 variance parameters on the secondary fuel also.
10 Just a recommendation, but it confirms that your
11 high-pressure oil switch is tied in and low
12 pressure and so forth, which are parameters that
13 need to be looked at, for what that's worth.

14 MR. SELLERS: Okay. Yes, sir.

15 CHAIRMAN BAUGHMAN: So both
16 boilers, the other one being a 2014 has been
17 operational, but the new boiler is ready for
18 inspection?

19 MR. SELLERS: It is already --
20 inspection by --

21 CHAIRMAN BAUGHMAN: As far as
22 the variance inspection.

23 MR. SELLERS: Yes. Yes, sir.
24 And the one that's being retrofitted should be
25 ready by the end of the month. We're just going

1 through some minor wiring changes and things,
2 getting things cleaned up.

3 CHAIRMAN BAUGHMAN: You bet.
4 Was the old boiler due for its renewal on the
5 variance, or are these just bringing them both
6 within the same cycle?

7 MR. SELLERS: Bringing them both
8 within the same cycle.

9 CHAIRMAN BAUGHMAN: Okay. Very
10 good.

11 MR. HENRY: Well, in that
12 regard, did I understand correctly that you have
13 upgraded the older boilers to Hawkeyes?

14 MR. SELLERS: Yes, sir, that's
15 correct. We're finishing that up right now.

16 MR. HENRY: That is in the
17 process?

18 MR. SELLERS: Yes, sir.

19 MR. HENRY: Okay.

20 CHAIRMAN BAUGHMAN: And that is
21 listed in your revisions page also?

22 MR. NEVILLE: That is listed in
23 Appendix A.

24 CHAIRMAN BAUGHMAN: Any other
25 questions for our brothers here or for Mr. Dillon

1 in the back?

2 (No verbal response.)

3 CHAIRMAN BAUGHMAN: Good?

4 (No verbal response.)

5 CHAIRMAN BAUGHMAN: All right.

6 Well, do I have a motion?

7 MR. HENRY: I move we accept and
8 approve this variance contingent on the successful
9 inspection.

10 MR. LASHLEY: And also the
11 addition to the training in Appendix G.

12 CHAIRMAN BAUGHMAN: Are you good
13 with that, Mr. Neville?

14 MR. NEVILLE: Absolutely.

15 CHAIRMAN BAUGHMAN: Any other
16 additions or comments we need to add?

17 (No verbal response.)

18 CHAIRMAN BAUGHMAN: Okay. I
19 hear none.

20 We've got a motion to accept
21 contingent upon those items to add and upon a
22 successful inspection by the Chief and Assistant
23 Chief, so I'll call it to a vote. All in favor
24 say --

25 MR. COLLINS: Do I need to

1 officially second it, the motion?

2 CHAIRMAN BAUGHMAN: I'm sorry.
3 Yes, second it.

4 MR. COLLINS: I second it.

5 CHAIRMAN BAUGHMAN: Thank you,
6 Riley, for keeping me on track.

7 All in favor say "aye."

8 (Affirmative response.)

9 CHAIRMAN BAUGHMAN: Opposed?

10 (No verbal response.)

11 CHAIRMAN BAUGHMAN: Not voting?

12 (No verbal response.)

13 CHAIRMAN BAUGHMAN: All right.
14 We have a contingently approved variance.

15 MR. SELLERS: Thank you, sir.

16 CHAIRMAN BAUGHMAN: Thank you,
17 both of you.

18 Is everybody good to proceed?

19 (No verbal response.)

20 CHAIRMAN BAUGHMAN: Cassandra,
21 are you good?

22 THE REPORTER: Yes.

23 CHAIRMAN BAUGHMAN: All right.

24 We'll move along to the next item on the agenda
25 which is 25-08, U.S. Nitrogen seeking an attendant

1 variance approval for its four boilers. It's a
2 pretty good sized boiler. So representing?

3 First I'll ask if there are any
4 conflicts of interest on this item.

5 (No verbal response.)

6 CHAIRMAN BAUGHMAN: Hearing
7 none, sir, if you'll introduce yourself.

8 MR. CHARLES: Yes, sir. My name
9 is Dillon Charles. I'm a plant manager for U.S.
10 Nitrogen. My operations manager, Beth Kline, was
11 unable to attend. She had a family emergency.

12 CHAIRMAN BAUGHMAN: I'm sorry
13 for that.

14 All right, sir. If you would just
15 let us know what it is you're --

16 MR. CHARLES: So we're here to
17 ask for a boiler attendant variance for one fired
18 auxillary boiler and three unfired steam-generating
19 pressure vessels. This is a variance that had
20 lapsed, and we're just here to reinstate it. We
21 have been operating under the one-hour rule but
22 would like to reinstate these boiler variances.

23 There have been some changes to the
24 boilers themselves. There's two boilers that were
25 replaced, both being the unfired boilers, one a

1 water tube convection boiler and the other an
2 indirect fire tube boiler. Other than that, the
3 rest of the variance is similar to what had been
4 approved before.

5 CHAIRMAN BAUGHMAN: Very good.
6 Motion to discuss?

7 MR. HENRY: So moved.

8 CHAIRMAN BAUGHMAN: Second?

9 MR. COLLINS: Second.

10 CHAIRMAN BAUGHMAN: All right.
11 Questions for Mr. Charles? Is that Dillon Charles?

12 MR. CHARLES: Dillon Charles,
13 yes, sir.

14 CHAIRMAN BAUGHMAN: Thank you.

15 MR. LASHLEY: When were those
16 revisions made?

17 MR. CHARLES: The changes to the
18 boilers?

19 MR. LASHLEY: Yes, sir.

20 MR. CHARLES: One was installed
21 in October of 2023. That would be the change to
22 the Struthers Wells. And then the Remtech boiler
23 replaced a Babcock & Wilcox boiler in March of '22.
24 Excuse me, March of '23.

25 CHAIRMAN BAUGHMAN: Gentlemen,

1 do you see a revisions page that I'm missing?

2 MR. LASHLEY: The revisions page
3 is I-5 but there's no new revisions past August
4 22nd of '19, from what I'm seeing.

5 CHAIRMAN BAUGHMAN: Just to make
6 a quick note, our -- so the systems operation
7 manual, I've got a loose sheet that shows
8 July 2025.

9 MR. CHARLES: Yeah, I think
10 there was some issue with --

11 CHAIRMAN BAUGHMAN: I'm sorry.
12 Go ahead.

13 MR. CHARLES: I believe there
14 was some issue in the printing process and they
15 printed an older page. I was asked by Mr. Watson
16 to just submit the cover page.

17 CHAIRMAN BAUGHMAN: Yes. And
18 that's what I was thinking. I didn't write my
19 notes on why I had a loose-leaf in here, and I was
20 looking at the cover page of September 2019, renew
21 by May 12th of 2022.

22 MR. CHARLES: Yeah. I believe
23 there was a printing error there.

24 CHAIRMAN BAUGHMAN: And
25 regardless of that, the revisions would not have

1 been listed that need to be. So we --

2 MR. CHARLES: Okay. So we need
3 to --

4 CHAIRMAN BAUGHMAN: So we do
5 need a current revisions page extending I-5 since
6 the last one was August 22nd of 2019.

7 MR. CHARLES: Okay.

8 CHAIRMAN BAUGHMAN: And you
9 stated that other revisions have been made, of
10 course, since then.

11 MR. CHARLES: Yes, sir.

12 CHAIRMAN BAUGHMAN: Okay. Was
13 there any reason for the variance to have lapsed?

14 MR. CHARLES: We had changeover
15 in the personnel that were responsible for it. My
16 operations managers typically take of this, and it
17 was just missed in his leaving of the company.

18 CHAIRMAN BAUGHMAN: So were the
19 boilers still operated under the variance during
20 that time then?

21 MR. CHARLES: No. We've been --
22 since that time, we've been doing the one-hour
23 checks and operating under the one-hour rule. But
24 yes, they are still operational.

25 CHAIRMAN BAUGHMAN: And who is

1 your inspector?

2 MR. CHARLES: Jeffrey Waybright.

3 CHAIRMAN BAUGHMAN: With?

4 MR. CHARLES: FM Global.

5 CHAIRMAN BAUGHMAN: Did he ever

6 make mention of the boilers and their lapsing of

7 the --

8 MR. CHARLES: I do not recall

9 him ever being -- him ever addressing the boiler

10 variance lapse.

11 CHAIRMAN BAUGHMAN: Okay.

12 MR. LASHLEY: I do have a note

13 that all boiler certificates are current.

14 CHAIRMAN BAUGHMAN: Very good.

15 Have any of these boilers had any weld repairs

16 performed?

17 MR. CHARLES: Yes, actually.

18 One of the -- the fired boiler had a single tube

19 weld repair performed. I believe that was in '22.

20 CHAIRMAN BAUGHMAN: I don't

21 necessarily see that recorded in here or the

22 R stamp or any of the paperwork, so I was just

23 curious.

24 MR. COLLINS: You know, one

25 thing I wanted to point out as a requirement, the

1 emergency procedure sheet has to be a highlighted
2 sheet, just to make sure that it can be flipped to
3 at a moment's notice.

4 MR. CHARLES: Okay.

5 MR. COLLINS: I believe that's
6 page 10.

7 MR. CHARLES: Yes, sir.

8 CHAIRMAN BAUGHMAN: Mr. Charles,
9 who's in charge of training?

10 MR. CHARLES: Ultimately, our
11 operations manager, Beth Kline, is responsible for
12 the boiler attendant. And all operations training,
13 it's a tiered process using our HR and then
14 ultimately our shift supervisor, operations
15 supervisors as well.

16 MR. HENRY: In the manual, it's
17 noted that the remote station will be operational
18 due to the manning of the remote station. And then
19 in the job description, the operators are listed as
20 either remote station personnel or boiler
21 attendant.

22 All your operators boiler attendants
23 as well?

24 MR. CHARLES: Yes, sir. So we
25 have a remote station which is roughly 400 feet

1 from the -- furthest from the boiler. There are
2 two operators there that are trained as boiler
3 attendants. And then the boiler attendants that
4 are in the field are present 24/7.

5 MR. HENRY: So in this case,
6 your remote station personnel are always going to
7 be boiler attendants as well; is that correct?

8 MR. LASHLEY: In that they
9 operate the boilers.

10 MR. HENRY: Pardon?

11 MR. CHARLES: In that they
12 operate the boilers or are monitoring the boilers
13 24/7.

14 MR. LASHLEY: So they're
15 operators and attendants?

16 MR. CHARLES: Yes, sir.

17 MR. HENRY: So they receive
18 training?

19 MR. CHARLES: They receive the
20 same training as the attendants do. And then it's
21 actually elevated beyond that for what they're
22 doing.

23 MR. HENRY: Thank you.

24 MR. CHARLES: Yes, sir.

25 CHAIRMAN BAUGHMAN: Small note,

1 Mr. Charles, that the checklist that was used for
2 this seems to be the old checklist. And I noticed
3 the date on it of September 6th of 2019. This
4 Appendix I or the checklist has been revised, and
5 it's not the current checklist which has, if I'm
6 not mistaken, 45 items on the new checklist. So --
7 and the checklist is somewhat revised in not only
8 having additional items; 43 addresses the emergency
9 stops, 44 addresses carbon monoxide alarms, 45 is
10 the e-stop being hard wired, and a change to item
11 Number 36 addresses positive check of the low-water
12 cutoff, check of the water and the boiler site
13 glass, check of the boiler flame and stack
14 temperatures, which are not part of the old
15 checklist that is in here presently.

16 So to that means, on page 8 under
17 normal duties, it does -- under item Number 1, the
18 boiler attendant -- so for maintenance
19 requirements, include a boiler water column test
20 for low water shutdown and alarm, we typically --
21 the verbiage on that is a positive check of the
22 low-water cutoff.

23 But again, that checklist is such
24 that we can either ask the questions that are
25 missing on that checklist -- but all said and

1 done, those other three items need to be
2 addressed.

3 MR. CHARLES: Included.

4 CHAIRMAN BAUGHMAN: So I'll just
5 ask the items for you, Mr. Charles. Does the
6 emergency e-stop shut down all boilers, or do they
7 just shut down individual boilers?

8 MR. CHARLES: There is an e-stop
9 that shuts down all processes. So the three
10 unfired boilers are associated to a process, and
11 are waste heat boilers. The primary fired boilers
12 has multiple e-stops that shut it down. There is a
13 single e-stop that will shut down all processes.

14 CHAIRMAN BAUGHMAN: So shutting
15 down all the fuel source and in essence shutting
16 down all the waste heat going to the waste heat
17 boilers.

18 MR. CHARLES: Yes, sir.

19 CHAIRMAN BAUGHMAN: How does
20 that get accomplished? Does it shut the process
21 down or is it a damper, or what's the --

22 MR. CHARLES: No. It shuts --
23 it will shut the process down. So there's three
24 process -- three separate processes. Two of them
25 are using a flue gas from a fired primary reformer.

1 The other is actually a processed gas. So if that
2 e-stop is triggered, then all the processes are
3 shut down and heat sources removed.

4 CHAIRMAN BAUGHMAN: Very good.

5 Is there a carbon monoxide alarm at
6 the remote station?

7 MR. CHARLES: There is not.

8 CHAIRMAN BAUGHMAN: Okay. And
9 it's just a question; it's not a requirement. But
10 in case there was CO and it knocked out personnel
11 at the remote station, it's a valid question.

12 MR. CHARLES: Understood.

13 CHAIRMAN BAUGHMAN: Are the
14 e-stops hardwired to the boilers themselves and the
15 waste heat units?

16 MR. CHARLES: Yes, they are all
17 hardwired.

18 MR. COLLINS: And that's
19 actually indicated on page 3.

20 CHAIRMAN BAUGHMAN: Thank you.

21 MR. COLLINS: Bullet Number 4.

22 CHAIRMAN BAUGHMAN: Further
23 questions for Mr. Charles?

24 MR. COLLINS: I had a question
25 on the location of the manuals. In the case that

1 there's only two physical copies of manuals located
2 at the plant, one contact is Elizabeth Kline;
3 the other contact is the remote station control
4 room.

5 I didn't know -- or I guess, in my
6 opinion, it might be beneficial to have a manual
7 located at each boiler room, too.

8 MR. CHARLES: There's only --
9 there's no boiler rooms. These are all outdoor
10 units.

11 MR. COLLINS: Oh, okay. That's
12 right. Sorry.

13 MR. CHARLES: No. That's fine.
14 It's a fired package boiler and then the others are
15 related to the process which are all outdoors. So
16 the control room is the primary location for any
17 documentation sort.

18 MR. COLLINS: Understood.

19 CHAIRMAN BAUGHMAN: Mr. Charles,
20 the fired boiler is an outdoor boiler also?

21 MR. CHARLES: Yes, sir.

22 CHAIRMAN BAUGHMAN: Did you
23 mention the fired boiler is the only one that had
24 the R stamp repair, or is that a different boiler?

25 MR. CHARLES: No. The fired

1 boiler is the only one that had the R stamp repair.

2 CHAIRMAN BAUGHMAN: Okay. And
3 that's the only repair that's been done on any of
4 the units?

5 MR. CHARLES: I'm trying to
6 remember. You know, I think one of the Babcocks &
7 Wilcox unfired unit has actually had two tubes
8 removed sometime back. So yes, there would be a
9 repair on that as well.

10 CHAIRMAN BAUGHMAN: Okay.

11 MR. CHARLES: I'll take note of
12 that, actually.

13 CHAIRMAN BAUGHMAN: I'm going to
14 ask the question, just for my own information.
15 Does a code repair fall under revisions, or should
16 that information be included in a manual for our
17 review to make sure that everything is proper? Or
18 does that get left to the inspectors, or what?

19 MR. LASHLEY: Well, if it's
20 included in the manual after the manual has been
21 approved, wouldn't that make it a revision?

22 CHAIRMAN BAUGHMAN: I would say.
23 But that's just my own knee-jerk call with it.
24 That's why I wanted your-all's input.

25 MR. DEASON: To the point

1 Mr. Lashley makes, if they bring the manual and you
2 approve it, and then thereafter, if you change,
3 like he said, you know, it will be a new thing but
4 it would be -- seems like it would be a revision.

5 CHAIRMAN BAUGHMAN: Well, just
6 food for thought. It might be something on moving
7 forward that we don't necessarily put in for this,
8 but moving forward, thinking about what goes into
9 the revisions and --

10 MR. HENRY: A hypothetical case,
11 after a variance was granted, if there was a weld
12 repair necessary of the boiler, would we say they
13 have to come back for a reapproval?

14 CHAIRMAN BAUGHMAN: I wouldn't
15 think so offhand.

16 MR. HENRY: That doesn't seem
17 reasonable to me.

18 MR. LASHLEY: I think that would
19 just be included in the discussion.

20 MR. HENRY: That was just a
21 piece of information and not something that should
22 affect this decision.

23 CHAIRMAN BAUGHMAN: Yeah. Okay.
24 It was more of a thought, asking for moving
25 forward, so...

1 MR. DEASON: And Mr. Chairman,
2 Ms. Owens pointed out, too, wouldn't that be
3 included in the inspection?

4 THE REPORTER: I'm sorry. I
5 can't hear.

6 MR. DEASON: I'm sorry.
7 Ms. Owens pointed out that wouldn't that be
8 included in the subsequent inspection.

9 CHAIRMAN BAUGHMAN: Yes. They
10 would be looking for the R stamps on the boilers
11 and just as long as there's -- I guess, my end of
12 it is, is keeping everybody accountable on repairs
13 that are done to the boilers, R stamps being
14 documented and making sure that no repairs to the
15 pressure vessels have been accomplished by
16 unauthorized people that don't have their licenses
17 for the state of Tennessee and so forth. So I'm
18 always, you know, just trying to keep people
19 accountable.

20 MR. CHARLES: Absolutely.

21 CHAIRMAN BAUGHMAN: You have
22 some interesting equipment, Mr. Charles, especially
23 on the unfired side of things.

24 MR. CHARLES: Yes, sir. A
25 little different for most Tennessee inspectors.

1 MR. LASHLEY: Those are always
2 the fun ones.

3 CHAIRMAN BAUGHMAN: We've seen a
4 few.

5 So being that we've got some things
6 that need attending, do all of these operate off
7 of the same deaerator? I'm assuming we have a
8 deaerator.

9 MR. CHARLES: We do have a
10 deaerator. Yes, sir, they do. It's a common
11 deaerator.

12 CHAIRMAN BAUGHMAN: Okay. So do
13 all the units come down at the same time for
14 shutdown, or are any of them left running -- I
15 guess my question is, when it comes time for
16 inspecting the DA, the DA gets kind of pushed aside
17 sometimes.

18 MR. CHARLES: No. So it has
19 been inspected, and all the units do come down for
20 deaerator inspection. And that happens -- that's
21 about the only time all the units come down at one
22 time, is for that deaerator inspection.

23 CHAIRMAN BAUGHMAN: And how
24 often is that?

25 MR. CHARLES: I believe, every

1 five years.

2 CHAIRMAN BAUGHMAN: Okay. Being
3 a high-pressure vessel on the DA, albeit it's
4 unfired, does it have a requirement of every
5 two years? I know we're not requiring an NDE every
6 five, although we've talked about NDE requirements,
7 but is it not supposed to be looked at internally
8 every two years?

9 (No verbal response.)

10 CHAIRMAN BAUGHMAN: I believe
11 the requirement is yes. And so henceforth, my
12 questioning on the DA. The DA is not part of the
13 variance. It gets outside of this realm. But
14 again, being an unfired vessel that operates above
15 15 psi --

16 MR. CHARLES: No, sir, it does
17 not.

18 CHAIRMAN BAUGHMAN: What is it
19 rated?

20 MR. CHARLES: Oh, it's probably
21 rated above 15 psi, yes, sir.

22 CHAIRMAN BAUGHMAN: There you
23 go. So again -- but any rate, that's up for the
24 inspectors and so forth on that end of things.

25 You said Jeffrey Wainright (sic) is

1 your inspector, so that's something that they
2 would attend to.

3 So albeit we've got a handful of
4 things that need to be attended to in the manual.
5 We've got a revisions page. We've got a
6 procedures page that's missing.

7 MR. LASHLEY: A whole new
8 checklist.

9 CHAIRMAN BAUGHMAN: A whole new
10 checklist.

11 MR. CHARLES: A revised
12 checklist.

13 CHAIRMAN BAUGHMAN: What do you
14 feel at this time you would like to proceed with?

15 MR. MAY: A separate colored
16 page for the emergency.

17 MR. CHARLES: Yeah, the
18 highlighted emergency page.

19 MR. LASHLEY: I think there's
20 some significant updates that need to be made to
21 the manual, personally.

22 CHAIRMAN BAUGHMAN: So if that's
23 the feeling of anybody else, then we can possibly
24 not vote on this at the time and table it for the
25 next meeting, allowing Mr. Charles to make the

1 revisions, coming back with a clean manual with
2 those revisions and representing at the
3 December 11th meeting?

4 MR. MAY: I'm comfortable with
5 that.

6 MR. HENRY: Does that create any
7 hardship?

8 MR. CHARLES: No, sir. We'll
9 just continue to do the checks hourly.

10 CHAIRMAN BAUGHMAN: Very good.
11 That's a great question.

12 MR. CHARLES: For clarification,
13 though, the repair documentation, did you want that
14 in the variance or...

15 CHAIRMAN BAUGHMAN: It doesn't
16 have to be but it doesn't hurt.

17 MR. CHARLES: Okay.

18 CHAIRMAN BAUGHMAN: What I do,
19 personally, is I look at the repair documentation,
20 making sure that they are on our list of companies
21 that are licensed in the state of Tennessee.
22 That's the extent that I go through. But is it a
23 requirement? No. It's more for documentation and
24 accountability for those that are doing the repair.

25 MR. CHARLES: Okay. Thank you.

1 CHAIRMAN BAUGHMAN: No, thank
2 you.

3 So at this time, do I have a motion
4 to table this and moving it back to a further
5 meeting as they would submit the revised manual
6 into the Chief?

7 MR. HENRY: So moved.

8 CHAIRMAN BAUGHMAN: Second?

9 MR. LASHLEY: Second.

10 CHAIRMAN BAUGHMAN: All right.
11 All in favor say "aye."

12 (Affirmative response.)

13 CHAIRMAN BAUGHMAN: No? Not
14 voting?

15 (No verbal response.)

16 CHAIRMAN BAUGHMAN: Okay.
17 Mr. Charles, thank you very much.

18 MR. CHARLES: Thank you.

19 CHAIRMAN BAUGHMAN: I appreciate
20 you being here and going through this.

21 MR. CHARLES: Yes, sir. Thank
22 you.

23 CHAIRMAN BAUGHMAN: You're
24 welcome.

25 MR. CHARLES: We'll make those

1 revisions and get them to you.

2 CHAIRMAN BAUGHMAN: Very good,
3 sir. Thank you.

4 We've got two items left. Are we
5 good to keep moving or do we want to take a --

6 MR. MAY: I've got to stand up.

7 CHAIRMAN BAUGHMAN: We've got a
8 motion to stand up.

9 I would love a short break, so at
10 this point in time, I'll call a time out and we'll
11 reconvene in about 10 minutes.

12 (Recess observed.)

13 CHAIRMAN BAUGHMAN: Thanks for
14 that short break.

15 Moving on with the agenda item, now
16 item Number 25-09, East Tennessee Children's
17 Hospital in Knoxville, seeking a variance approval
18 for their six boilers.

19 Gentlemen are here at the podium. If
20 you would introduce yourselves and present.

21 MR. TOTH: Great. My name is
22 Marty Toth. I'm with ECS Consulting. I'm
23 representing East Tennessee Children's Hospital.
24 To my right...

25 MR. BARLOW: Eric Barlow,

1 manager of engineering for East Tennessee
2 Children's Hospital.

3 MR. HALL: Terry Hall, director
4 of engineering, East Tennessee Children's.

5 MR. TOTH: Mr. Chairman, we are
6 honored to be here in front of you to present kind
7 of a unique variance that the Board probably has
8 not seen on its own.

9 What we have is we have six electric
10 boilers there at the location. These are high
11 pressure Chromalox boilers that are branded
12 through Steris. All these boilers have a maximum
13 allowable working pressure of 100 psi. They
14 operate in the 80 psi range.

15 You will find their information in
16 Appendix A of the manual. As you can see, they
17 are pretty much six sister units. All have
18 electrodes. The energy that's going to it is
19 480 volts, amperage of 217 amps, and kilowatts of
20 180 kilowatts per unit.

21 As I mentioned, the operating
22 pressure of these units is going to be between 72
23 and 80 psi, and they all have relief valves that
24 are able to relieve the pressure at 100 psi.

25 As you can see, these units were

1 actually built in 2015. It was brought to the
2 attention of the hospital that these units do fall
3 under the requirement of the boiler attendant rule
4 and also are supported by BC 92-06, a board case
5 which does stipulate that steam generator units in
6 the state of Tennessee that are classified as
7 power boilers are required to be monitored per the
8 attendant rule.

9 That is when the hospital contacted
10 me and asked if I could assist them in doing the
11 right thing. At that particular time, they were
12 very diligent and started to ensure that they were
13 monitoring -- or excuse me. I shouldn't say
14 monitoring. They were attending to these boilers
15 every 60 minutes and taking readings accordingly.
16 They do have logs that indicate that they have
17 been doing that after the inspector indicated to
18 them that they needed to have a variance.

19 The boilers are supplied by an
20 atmospheric water storage tank that provides all
21 six units. Since the units are of electric design
22 versus combustion fuel, they do not have,
23 obviously, a burner control system. However, they
24 do have a water level device that is indicated.

25 You will notice on page 13, Appendix

1 B, the Chromalox controller unit. It's a solid
2 state level control unit that will monitor not
3 only the low water levels; it will also monitor
4 fill requirements when the unit gets low, and also
5 high water.

6 The high water is very unique.
7 Obviously, we do not want to flood the system,
8 because it is used for sterilization services. So
9 if the high water probe is reached, it has a
10 solenoid valve on the top of the unit, each unit,
11 for the steam outlet that will close, will not
12 allow water to go into the lines.

13 The units did have -- as you maybe can
14 recognize from the photographs of the units and
15 maybe somebody would bring that up during
16 discussion, so I'll just answer it now, is the
17 units did have automatic bottom blowdowns that
18 were installed after my visit with Eric. Those
19 have since been removed and the proper valving
20 assemblies have been put into place.

21 As the Board knows, this is something
22 we're seeing quite often on installations. I
23 think Chief and Assistant Chief could attest to
24 that. And that is also covered under a Board
25 Interpretation that does not allow that in the

1 state of Tennessee.

2 The training for the personnel at the
3 hospital will be conducted by Boisco Training
4 Group. We are going to put together not only a
5 remote attendants program for their transfer
6 center personnel but also for their boiler
7 attendants and their boiler guards.

8 For those of you here on the Board
9 familiar with that terminology from my manuals, a
10 boiler guard is simply a security guard that has
11 been trained to be an attendant for the boilers
12 during those after hour shifts. It is not just a
13 monitor. It's not just somebody that's taking a
14 reading that they don't understand. They have to
15 thoroughly go through the training, as would a
16 boiler attendant, and are tested at the end of
17 that training, and must have a successful
18 completion of that training before they can stay
19 in that position.

20 As I mentioned, the remote attendants at
21 this current time are your transfer center RNs.
22 We do have some discussion with potentially, if we
23 need to, to include the PBX operators as remote
24 attendants because they are in the same facility
25 as them.

1 I want to mention some of the additional
2 documents that all the board members received. I
3 do apologize that they weren't available at time
4 of submission. The first document that I want to
5 bring your attention to is on page 10. It's
6 actually the site plan of the hospital that is
7 going to show the distance between the boiler room
8 and the transfer center. And so you will see
9 that, and it's indicated by the remote panel
10 indication that goes into the transfer room.

11 And then you will also notice that --
12 well, it should have been on there -- that on the
13 boiler room -- I'll just go ahead and make you
14 aware of this: As you see at the entrance into
15 the boiler room itself, we have a local e-stop
16 located at that pedestrian door. That pedestrian
17 door is locked at all times. You must have a key
18 to enter the room.

19 Another thing that, after discussion
20 with Mr. Hall and Mr. Barlow, we wanted to bring
21 to the attention of the Board that we've had some
22 difference of opinion of how the communication
23 between the remote attendant and the boiler
24 attendants will be. And if you would like, I can
25 walk you through that. If you choose that it's

1 not acceptable at this time, we would ask that you
2 approve what we've presented here and then apply
3 for a variance change at a later date.

4 Currently, what we have presented is
5 that we will have radio communication between the
6 remote attendants at the transfer center directly
7 to the boiler attendants that are part of the
8 engineering staff. That will come by way of
9 two-way radio.

10 If for some reason we do not have
11 acknowledgment of that radio call, then it would
12 move to cell phone communication and then through
13 progression from Mr. Barlow up to Mr. Hall.

14 On the evening shift, the third shift,
15 what we would have is the same type of
16 communication from the remote attendant, but it
17 would go to the boiler guard. If there's no
18 acceptance of that communication over the radio,
19 then we'll be using the phone to communicate to
20 Mr. Barlow and Mr. Hall.

21 The discussion that we had last night
22 and the management decision at the hospital was to
23 revise and make it more efficient throughout
24 24 hour, seven days a week, where if we get an
25 alarm, the remote attendant will then contact via

1 the phone system security dispatch, which is in
2 another facility. Both locations are manned 24/7.

3 Then, what we can have is then security
4 dispatch is aware of it, and then they will radio
5 to a boiler attendant during the first and second
6 shift or a boiler guard during the off-shift or
7 the third shift. Then that communication would
8 come back through security dispatch, back to the
9 remote attendant station.

10 We just felt that this would be a more
11 efficient way of communication. It will allow
12 more individuals from the security staff and the
13 engineering staff to be aware of the situation,
14 but also not require for the transfer center to
15 have its own individual radio. And we just felt
16 that it would be better, easier for training and
17 more efficient in the operation.

18 What we will do if you accept that, is I
19 would provide the revised pages, those pages would
20 be not only page 9, the highlighted page, but it
21 will also be page 3, which is an image of how the
22 placard would look. I would provide that to the
23 Chief Inspector and it would be listed on the
24 revision page under revision 1, and we would move
25 on from there.

1 With all that said, I hope you -- I've
2 answered any pre-questions you may have and are
3 open to any questions you may have for me and the
4 gentlemen.

5 CHAIRMAN BAUGHMAN: First, I'll
6 ask for any conflict of interest from anyone on
7 this item.

8 (No verbal response.)

9 CHAIRMAN BAUGHMAN: None?

10 MR. LASHLEY: No current. I was
11 previously -- Chubb previously insured this
12 facility.

13 MS. OWENS: Should be okay.

14 CHAIRMAN BAUGHMAN: Thanks for
15 bringing that up. No conflicts are indicated.

16 Motion to discuss?

17 MR. HENRY: So moved.

18 CHAIRMAN BAUGHMAN: Second?

19 MR. LASHLEY: Second.

20 CHAIRMAN BAUGHMAN: All in favor
21 say "aye."

22 (Affirmative response.)

23 CHAIRMAN BAUGHMAN: All right.
24 Discuss away.

25 MR. COLLINS: I have a question.

1 And it's solely a question, not a recommendation or
2 anything like that. But let's say that the second
3 scenario that you mentioned as far as going through
4 security dispatch, is there -- well, was there an
5 idea or a thought at the time to make the security
6 dispatch just the remote station? Of course that
7 would require all new hardwire, all that stuff,
8 but...

9 MR. TOTH: That is a great
10 question, Mr. Collins. And that was something that
11 we did discuss. The reason that we chose to go in
12 this direction was the idea that in the future, we
13 may consolidate these spaces, from security
14 dispatch to PBX, to where they would all be
15 located. So they would -- the security dispatch
16 would move at that time.

17 So the thought was if they were going
18 to move, they would move to the transfer center
19 area. That's where it would be housed at that
20 time. So that's why the -- but it was discussed.
21 That's actually a really good question.

22 CHAIRMAN BAUGHMAN: Mr. Toth, I
23 may be missing it, but I'm seeing under Appendix G,
24 the boiler and remote attendant's job descriptions.
25 And I see under Appendix I, a glossary of terms,

1 but I may have just not found it, the actual job
2 descriptions.

3 MR. TOTH: Under G, it was added
4 to -- that was a part of the packet that you should
5 have received. I am so sorry about that. I had
6 mentioned that we had page 10, page 11, and then
7 the job descriptions. I do apologize,
8 Mr. Chairman.

9 CHAIRMAN BAUGHMAN: Apology
10 accepted, Mr. Toth.

11 MR. TOTH: And you will also
12 see -- Mr. Chairman, page 17, you will see the
13 layout diagram included as well.

14 CHAIRMAN BAUGHMAN: Okay. So in
15 many facilities, we have a turnover of security
16 personnel. It's not unusual. You guys may have
17 experienced this in your own facility. Being that
18 the security is also listed as a boiler guard,
19 which is also a boiler attendant -- is that
20 correct?

21 MR. TOTH: That is correct,
22 Mr. Chairman. There can be a security guard that
23 is not certified as a boiler attendant; therefore,
24 they would not be able to serve in that position as
25 a boiler attendant. That's why we signify them as

1 a boiler guard, because that boiler guard will go
2 through the appropriate training and examination
3 before they can stay in the position as a boiler
4 guard.

5 CHAIRMAN BAUGHMAN: I guess my
6 concern is with turnover of personnel, how quick
7 competent training can be accomplished to get a new
8 person certified to be a boiler attendant, which
9 you and I understand.

10 MR. TOTH: Oh, yeah.
11 Absolutely.

12 CHAIRMAN BAUGHMAN: So I'm
13 trying to get a good handle. And the security
14 personnel that I've talked to that have been
15 trained as boiler attendants, I've asked them
16 personally, how warm and fuzzy do you feel about
17 doing this. And almost, I would say, a hundred
18 percent of the time, we're not; this is outside of
19 our wheelhouse.

20 So I understand how it's listed. How
21 it actually happens in real life will be up to,
22 you know, the inspections. But concerns with
23 security guards in those positions, respiratory
24 therapists, so forth and so on. I was just
25 interested in that.

1 As new personnel come on, let's say
2 that we have a security officer that has been
3 certified and the boiler attendant also, and they
4 leave unexpectedly, we have somebody else come in.
5 Who is responsible for that training?

6 MR. TOTH: Mr. Barlow is
7 ultimately responsible or his designee. His
8 designee in that case is Boisco Training Group.
9 Boisco -- BTG online is a process where we build a
10 very extensive and thorough custom training program
11 for their equipment that will show going through
12 the processes, up to videos, voiceovers that kind
13 of explain the process that the attendant will go
14 through, which will be followed up by a boiler side
15 walk-through. And if BTG is not available to do
16 that, a previously certified attendant by the
17 direction of Mr. Barlow, and it may be Mr. Barlow
18 himself, that would walk them through to supplement
19 that.

20 CHAIRMAN BAUGHMAN: Very good.

21 Who is the inspector?

22 MR. BARLOW: FM Global.

23 MR. TOTH: Fred James Allison.

24 CHAIRMAN BAUGHMAN: And these
25 units are ready for inspection presently?

1 MR. TOTH: They are not ready
2 for variance inspection presently. Obviously,
3 wanted to get the tentative approval before
4 investing in the capital.

5 Investment into it, we do have plan
6 for the wiring, the conduit, the actual panel to
7 be constructed. All of that has been approved,
8 and we're hoping to be up and running in very
9 quick time.

10 CHAIRMAN BAUGHMAN: Okay.

11 MR. TOTH: Mr. Barlow and
12 Mr. Hall are both very aware that we have a 180-day
13 timeframe to implement. We plan to have it in
14 place within that 180 days. But also, if something
15 comes up, we do have the opportunity to approach
16 the Chief Inspector for an extension of another
17 180 days.

18 CHAIRMAN BAUGHMAN: Very good.
19 And I assume those panels that are being built are
20 like what you've presented in the past?

21 MR. TOTH: Yes. They are
22 exactly.

23 CHAIRMAN BAUGHMAN: You made a
24 mention on the e-stop going into the boiler room in
25 that one location that's not shown. That e-stop is

1 just inside of the door?

2 MR. BARLOW: Directly beside the
3 egress doors.

4 CHAIRMAN BAUGHMAN: On the
5 inside?

6 MR. MAY: Yes, sir.

7 CHAIRMAN BAUGHMAN: Of a locked
8 door?

9 MR. BARLOW: Yes, sir.

10 CHAIRMAN BAUGHMAN: So if we
11 need to have an emergency stop switch actuated, it
12 kills all six boilers?

13 MR. BARLOW: That one does kill
14 all six currently. That's always been in place.

15 CHAIRMAN BAUGHMAN: And in an
16 emergency, it's on the inside of the door?

17 MR. BARLOW: (Nods head.)

18 CHAIRMAN BAUGHMAN: Okay. Who
19 has the keys to those locks?

20 MR. BARLOW: Engineering and
21 security.

22 CHAIRMAN BAUGHMAN: Okay.

23 MR. TOTH: Mr. Chairman, I will
24 make sure that the indicator for the local e-stop
25 is put into the site plan so it identifies it.

1 CHAIRMAN BAUGHMAN: It looks
2 like there's another door into that mechanical
3 room. As you follow that green line down, it shows
4 another door down there. It looks like it's past
5 the chillers and so forth, that -- I assume that's
6 what that is.

7 MR. HALL: Yes.

8 CHAIRMAN BAUGHMAN: Is there an
9 e-stop at that point?

10 MR. TOTH: I want to say there
11 is.

12 MR. HALL: I do not --

13 MR. TOTH: What is that door? I
14 didn't remember seeing it.

15 MR. HALL: I do not know the
16 answer. If you think there could be --

17 MR. TOTH: Is it a closet?

18 MR. BARLOW: No, no, no. It's a
19 second entry into the same --

20 MR. TOTH: Oh, that door. I see
21 which one you're referring to.

22 MR. BARLOW: It's access to the
23 air handler --

24 MR. TOTH: It's a good catch.

25 CHAIRMAN BAUGHMAN: It's

1 something to be noted. Mr. Toth can direct you.
2 If it's a point of pedestrian egress, which it
3 looks like it is, then there would be an additional
4 e-stop to kill all six --

5 MR. BARLOW: I almost believe
6 that's there, but we can confirm.

7 CHAIRMAN BAUGHMAN: You bet.

8 MR. TOTH: Thank you,
9 Mr. Chairman.

10 CHAIRMAN BAUGHMAN: You're
11 welcome. And you'll put that in your video
12 training --

13 MR. TOTH: Yes.

14 CHAIRMAN BAUGHMAN: -- where
15 those points of e-stops are at, for reference.

16 MR. TOTH: Absolutely.

17 CHAIRMAN BAUGHMAN: So if this
18 isn't approved, how would you proceed with the
19 panels and going forth? Do we figure it does
20 increase the safety? Which I think it does. But
21 I'm just saying we're -- you've made the investment
22 into putting the equipment in.

23 The information is being presented,
24 but if, in fact -- and I guess I'm wondering why
25 the cart is before the horse. I kind of

1 understand the economics of it, but being that
2 we've been operating since 2015 on previously the
3 20-minute rule and now the one-hour rule, would
4 that still be in place, I take it, until the
5 variance goes into effect?

6 MR. TOTH: Yes.

7 MR. HALL: We would continue the
8 hourly monitoring.

9 MR. BARLOW: Yes. It's my
10 understanding we are to continue the one-hour
11 monitoring until we get the final approval after
12 inspection once the system is in place.

13 CHAIRMAN BAUGHMAN: And
14 presently, even third shift, one-hour monitoring is
15 being handled through trained personnel, i.e.,
16 whether it's the boiler guard or boiler operator or
17 attendants.

18 MR. BARLOW: Correct.

19 CHAIRMAN BAUGHMAN: So thank you
20 for taking care of those bottom blowdowns, as you
21 knew that was popping up.

22 The only other thing I'll look at is
23 on the header valves, making sure that those are
24 gate valves and not ball valves. Typically, a
25 Chromalox, a Steris, an electric boiler, they come

1 with ball valves. And by code, we're not allowed
2 to use ball valves as header valves.

3 I couldn't see the header valves in
4 the drawings, but that will be something they'll
5 look at at inspection. You might take a look at
6 it, too, Mr. Toth.

7 MR. TOTH: Yeah. I'll take a
8 look at that. I'll also look at that -- yeah,
9 okay.

10 CHAIRMAN BAUGHMAN: Any other
11 items that need to be addressed?

12 MR. HENRY: Mr. Toth, I know
13 what a thorough job you always do. I --
14 nevertheless, it delights me to nitpick at
15 something. So if you look on page 4 under
16 Training, subparagraph 4, I think that it should
17 just be, "Location of the affixed placard," rather
18 than "placarded."

19 MR. TOTH: Under what section?

20 MR. HENRY: Under Training,
21 Number 2. And then look at subparagraph 4,
22 "Location of the affixed placard."

23 Do you see that?

24 MR. TOTH: Uh-huh. Thank you,
25 sir.

1 MR. HENRY: And one other
2 minor -- over on page 6, and under Boiler
3 Attendant, Note 1, I believe that that should apply
4 to all the boilers, so whenever the boilers are in
5 operation, since there are six of them.

6 MR. TOTH: And that's
7 under 1) a)?

8 MR. HENRY: Yes. You have
9 Note 1?

10 MR. TOTH: Oh, I see. Thank
11 you, sir.

12 MR. HENRY: Best I could do.

13 MR. TOTH: Is that it?

14 MR. HENRY: That's it.

15 MR. TOTH: All right. Thank
16 you, sir.

17 CHAIRMAN BAUGHMAN: So Mr. Toth,
18 just hypothetically, if we've got the boiler guard,
19 i.e., the security officer that is no longer in the
20 security office going to the boiler as the boiler
21 attendant --

22 MR. HALL: If you're talking
23 about the dispatch, it is a separate position.

24 CHAIRMAN BAUGHMAN: Okay. Is
25 the dispatch in -- is he a remote attendant, a

1 certified remote attendant?

2 MR. HALL: He will be trained.

3 CHAIRMAN BAUGHMAN: He will be
4 trained as --

5 MR. HALL: A remote attendant.

6 CHAIRMAN BAUGHMAN: As a remote
7 attendant. Okay.

8 MR. HALL: But security dispatch
9 and boiler guard are separate people.

10 CHAIRMAN BAUGHMAN: Okay. Are
11 those listed in the job description?

12 MR. TOTH: That's a great
13 question because -- they hold different positions.
14 Because this was something that was discussed, so
15 it's a really good point, and it was brought up
16 last night during discussion, is that when we bring
17 that dispatcher into the fold of being the
18 communication, they are a guard. Okay? They are
19 classified as a guard, but they are the dispatcher.
20 Okay? They are not the one that's going to go to
21 the boiler room itself. Does that make sense?

22 So now, when we go with what we're
23 requesting, which is the communication coming from
24 the transfer center RN to the security dispatch on
25 to the boiler guard, then yes, we will incorporate

1 their responsibilities not only potentially
2 serving the role as a boiler guard/boiler
3 attendant, but also, if the board so chooses, they
4 will also be trained as a remote attendant.

5 This is why this is a different
6 scenario as well, because we usually treat that
7 person as a boiler attendant. Let me give the
8 scenario, if I may. I'm the remote attendant. I
9 get an alarm. I contact Mr. Barlow. He is a
10 certified boiler attendant, let's say. Mr. Barlow
11 then turns around and communicates with Mr. Hall
12 who's actually going to go to the boiler room.
13 Both of these are individuals would be boiler
14 attendants. Does that make sense?

15 CHAIRMAN BAUGHMAN: Yes, sir.

16 MR. TOTH: If we have the
17 security dispatch, who is security, also certified
18 as a boiler attendant, there's that same line of
19 communication from the remote attendant to a boiler
20 attendant who then communicates with another boiler
21 attendant.

22 However, this is what I do with most
23 of my clients on the BTG side, is if they are
24 trained as a remote attendant, they may just be a
25 remote attendant. But if they are trained as a

1 boiler attendant, they too will go through the
2 training as a remote attendant so that they
3 understand how the communication works as the
4 boiler attendant/remote attendant.

5 CHAIRMAN BAUGHMAN: So let's
6 take third shift.

7 MR. TOTH: Okay.

8 CHAIRMAN BAUGHMAN: Security is
9 there. These two gentlemen are either sleeping or
10 they're both on vacation. It'd be nice. So we get
11 an alarm, a need to go to the boiler room. That
12 person, the boiler guard, security, however we're
13 classifying them, are they leaving the boiler room
14 to go to the boiler -- are they leaving their
15 station to go to the boiler room?

16 MR. TOTH: No. Are you talking
17 about the dispatch -- the security dispatch?

18 CHAIRMAN BAUGHMAN: I'm talking
19 about whoever is at the remote station --

20 MR. TOTH: No.

21 CHAIRMAN BAUGHMAN: -- as a --
22 I'm a little bit confused between security
23 dispatch, security boiler guard, all these
24 different terms and their -- I'm trying to get a
25 pretty good definition.

1 MR. TOTH: Okay. Can I simplify
2 it then?

3 CHAIRMAN BAUGHMAN: Yes.

4 MR. TOTH: And let's just call
5 them remote attendant and boiler attendant. Okay?
6 Because that's how they're certified.

7 At no time will the transfer center
8 be left empty. The transfer center has a transfer
9 RN and also PBX. We discussed that earlier where
10 we said we're looking at maybe extending this to
11 allow for PBX operators to ultimately be remote
12 attendants. Okay?

13 CHAIRMAN BAUGHMAN: Not
14 presently.

15 MR. TOTH: Not presently.
16 Because the RN -- the transfer center RN is taking
17 care of that. That will never be vacated. That
18 space will never be vacated, nor will security
19 dispatch space ever be vacated. Operation 24/7,
20 somebody is in security dispatch. 24/7, somebody
21 is in the transfer center.

22 So hopefully, that answers that
23 question. The people that are in security
24 dispatch along with the security guards are all
25 trained as boiler attendants.

1 As I mentioned, security dispatch
2 will never be left unattended. We have multiple
3 security officers on shift to play the role of the
4 boiler attendant that visits the boiler room in
5 case of an emergency.

6 That boiler attendant, though they
7 are certified and they have passed the training,
8 will not be allowed to reengage, reset -- because
9 these are electric boilers -- reset that boiler.
10 Their main responsibility besides taking readings
11 once every four hours during their time, their
12 shift, is to ensure that there is no continuing
13 issues at the boiler room. There's not a fire.
14 There's not a flood. No extenuating
15 circumstances. They are not there to restart
16 those units.

17 CHAIRMAN BAUGHMAN: Is that
18 specified anywhere here?

19 MR. TOTH: That they will not --
20 it should be. I can go back and look. It should
21 be under Section 4.

22 CHAIRMAN BAUGHMAN: Very good.
23 I just wanted to make sure. I appreciate that.

24 MR. COLLINS: It's also in
25 Section 5 under the procedure --

1 CHAIRMAN BAUGHMAN: Super. That
2 they cannot reset it.

3 MR. COLLINS: Correct. Under
4 bullet 4 it says, "Boiler guard shall not attempt
5 to restart the boiler."

6 CHAIRMAN BAUGHMAN: I've just
7 seen that. Excellent. Thank you for pointing that
8 out. Thank you for that, Mr. Toth.

9 So they will not have -- I say "they"
10 being the security personnel. They will not be
11 charged with checking -- or let's say because a
12 positive check of the low-water cutoff will be
13 accomplished once a day, as your item noted --

14 MR. TOTH: At a minimum.

15 CHAIRMAN BAUGHMAN: At a
16 minimum, they will not be charged with having to do
17 that. Let's say that previous shifts have not
18 performed that.

19 MR. TOTH: That won't happen but
20 I understand what you're saying.

21 CHAIRMAN BAUGHMAN: I
22 understand. Those alarms can be done via a shunt,
23 I notice. And so we're testing the alarm circuitry
24 but not necessarily the low water. But that's why
25 it's important to check that low water every day.

1 So you know where I'm going with that.

2 MR. TOTH: I do.

3 CHAIRMAN BAUGHMAN: Not a big
4 fan of alarm shunts and check alarm circuits. But
5 you're right in --

6 MR. TOTH: Got some horror
7 stories, don't we?

8 CHAIRMAN BAUGHMAN: Yes. Okay.
9 Thank you.

10 Other items for our brothers at the
11 podium? I see the gears turning. Are you good?

12 MR. TOTH: We can call the
13 question, right?

14 MR. COLLINS: I think we still
15 need to make a decision on the two scenarios that
16 we want to go with.

17 MR. TOTH: Oh, okay.

18 CHAIRMAN BAUGHMAN: I agree.

19 MR. COLLINS: I'm of the opinion
20 that -- and this is just me -- just given the
21 complexity of the conversations that we go just had
22 regarding security dispatch, all that, the
23 different positions and everything, I would like to
24 see all of that updated on paper, in the manual,
25 and vote on that version of the manual later on

1 down the road.

2 This is just my opinion. I'm not
3 giving a vote right now. I would be fine with
4 doing a vote on this manual as it is, and then
5 like you said, the scenario where down the road
6 you make those updates to where the communication
7 is funneled through security dispatch.

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

10 Very reasonable. Very reasonable.
11 With the fact that we have these two gentlemen
12 here and that we've already actually on paper made
13 those changes but did not have -- it was -- you
14 know, did not have the paper document to present
15 to you, would it be acceptable to ask Ms. Jamie,
16 my dear friend, to maybe print those off? Or do
17 you feel it necessary for me to come back in
18 December? Because this is on us. This is on us.
19 So we're willing to do whatever you feel
20 comfortable with, because I can understand where
21 that can be confusing, and it's easier to see on
22 paper.

23 We just -- I just want to make it as
24 efficient as possible for you and then also for
25 us.

1 CHAIRMAN BAUGHMAN: Let me ask
2 the question. What time frame -- since you still
3 have to hardwire install, build, so forth, what's
4 the time frame that you're looking at on having
5 this work being accomplished?

6 MR. HALL: We are actually -- we
7 have started that work.

8 CHAIRMAN BAUGHMAN: Okay.

9 MR. HALL: So we're pretty far
10 along in the wiring process.

11 We, ETCH, would like to accomplish
12 this as soon as possible. As you all know, hourly
13 monitoring is -- and I'll say it, is a hardship.
14 And it would help us and the engineering group to
15 be able to go to this whatever version it is,
16 whether it's what's presented today or what we had
17 talked about.

18 CHAIRMAN BAUGHMAN: Sure.

19 MR. HALL: We would like to do
20 it as soon as possible.

21 CHAIRMAN BAUGHMAN: Okay.

22 MR. HALL: It would help us free
23 up staff.

24 CHAIRMAN BAUGHMAN: I
25 understand.

1 MR. HALL: It would help free up
2 the night shift security guard, our boiler guard.

3 CHAIRMAN BAUGHMAN: To do what?

4 MR. HALL: To do extra rounds
5 for safety.

6 MR. BARLOW: To go from one-hour
7 to four-hour checks. And then only respond when an
8 alarm is activated.

9 CHAIRMAN BAUGHMAN: Okay. So
10 from the standpoint of you still have work to do
11 which may take two weeks, three weeks, four
12 weeks...

13 MR. HALL: Yeah.

14 CHAIRMAN BAUGHMAN: You still
15 have training to do, which could take some period
16 of time, a week, let's say. So we're a month out,
17 a month and a half maybe on getting things
18 realistically accomplished from training, testing,
19 making sure that when the gentlemen come in to do
20 their inspection that everything rolls with Mike.
21 Because they may come in and inspect third shift,
22 and so you want to make sure that everything is
23 good. We don't want to extend a hardship, but
24 we're 90 days out to the December 11th meeting.

25 And I understand what Mr. Collins is

1 saying, and so I'll ask for other comments from
2 our board members.

3 MR. MAY: How long would it take
4 to get the other paperwork together?

5 MR. TOTH: It's already -- as I
6 mentioned, it was already done. It was done last
7 night and just didn't get printed. And it's -- you
8 know, I hate to ask that, because it's not -- it's
9 not the Boiler Unit's responsibility to print off
10 our book.

11 MR. MAY: Yeah, I understand.

12 MR. TOTH: So I would be more
13 than happy to email it to Chief Watson and, you
14 know, make the determination. I mean, I actually
15 have it right here. I'm looking at it on the
16 phone. Should I have went to a Kinko's and printed
17 it off? Yeah, probably. So I'm at the mercy of
18 the Board how we want to handle it. I know it's
19 already been a long morning.

20 We're the last item besides a
21 discussion piece. So if the State is willing to
22 print off however many copies of a page we need,
23 we can do that, or I can come back in December.
24 The only difference is how we set up the training.

25 Because we're going -- if we set up

1 the training where we have to use radios and we
2 have to use different -- for different shifts,
3 different communication pieces, then we're kind
4 of -- it's being a little bit more complex.

5 And then we would have to go back and
6 then change that training and retrain people. So
7 it's kind of like whatever the Board feels is
8 necessary for this, because when it all comes down
9 to it, it's my fault that I didn't print this up
10 or send it over to be printed. So we'll just do
11 whatever you want to do.

12 CHAIRMAN BAUGHMAN: Thank you,
13 Mr. Toth.

14 The other is that what we decide on
15 does set a precedent. If we've got future
16 variances that run into the same thing and they'll
17 say, well, you allowed this in the past, then
18 that's a true statement. So just taking that into
19 consideration. I don't want it to be a hardship,
20 but yet we do want to cross T's, dot I's and dot
21 our lower case J. So food for thought.

22 So do I have a motion?

23 MR. HENRY: If I could ask a
24 question. Mr. Toth, the information that you have
25 available but haven't made available to the Board

1 yet, how extensive is that?

2 MR. TOTH: It's one page. It's
3 a replacement of Section 5.

4 MR. HENRY: Okay.

5 MR. TOTH: It's a replacement of
6 the Section 5 that explains how it's going to be
7 done. And so where that would change, it would be
8 Section 5's -- the actual spelling out of the
9 process of communication, the emergency response
10 list. And then there's an image that we add to
11 Section 2 of what the placard looks like, shapes
12 and colors.

13 Yes, Mr. Collins?

14 MR. COLLINS: Wouldn't you have
15 to also include the additional role of the person
16 who's at security dispatch and their
17 responsibilities/job description?

18 MR. TOTH: No. Because they are
19 under a security officer. So they're certified.
20 Even though they're the dispatch, they're certified
21 as a boiler attendant.

22 So the scenario that I gave where
23 we're calling the boiler attendant to call a
24 boiler attendant, that's kind of what we're doing
25 in that situation. Does that make sense?

1 MR. COLLINS: Yes.

2 MR. TOTH: So that's where we're
3 still under that same description.

4 CHAIRMAN BAUGHMAN: And we're
5 utilizing nursing personnel?

6 MR. TOTH: The transfer center
7 RN.

8 CHAIRMAN BAUGHMAN: The RN?
9 Okay.

10 MR. TOTH: And that's been done
11 quite often.

12 CHAIRMAN BAUGHMAN: Yes. Excuse
13 me. What I'm getting at is -- my question was, are
14 we using respiratory -- and then following that up
15 with...

16 Well, I don't quite know how to
17 diplomatically word it, Mr. Toth. But that is
18 included within this description also, and would
19 that be changing with the change with the PBX, so
20 forth? In other words, describe to me again how
21 the respiratory nurse fits into this. We've gone
22 through security and dispatch, but again, explain
23 to me just so I can get a better handle on where
24 the respiratory nurse is fitting in.

25 MR. TOTH: Well, the transfer

1 nurse -- it's a transfer center nurse, is also
2 located in the transfer center. That room, as you
3 can see, is of considerable size. It also houses
4 the PBX operator. Okay?

5 And so in that room is the remote
6 panel. The remote panel gets the alarm. Then the
7 certified remote attendant goes through the
8 process that is highlighted, which is we're asking
9 for it, that that person to then communicate to
10 the security officer, and the security officer
11 then radios another security officer to go to the
12 boiler room.

13 CHAIRMAN BAUGHMAN: I thought in
14 the description we said there was always the
15 security dispatch officer in the security room --

16 MR. TOTH: There is.

17 CHAIRMAN BAUGHMAN: -- or the
18 transfer room.

19 So why would the respiratory nurse
20 have to communicate to security, I guess, is where
21 my --

22 MR. HALL: Dispatch -- the
23 security officer in dispatch is not in the transfer
24 center.

25 CHAIRMAN BAUGHMAN: Okay.

1 MR. TOTH: That's why we
2 didn't -- when Mr. Collins asked the question of
3 why don't we just put the remote station in the
4 security dispatch, we had that discussion early on,
5 and it was because there are plans -- they're
6 plans, not set in stone, that we're going to move
7 security in with PBX. So instead of putting it in
8 security dispatch and then have to move it over to
9 the transfer center, the decision was made to put
10 it into the transfer center.

11 CHAIRMAN BAUGHMAN: Got you.
12 And when is that transpiring?

13 MR. HALL: There is no current
14 plans yet, I mean, set date to move security
15 dispatch into the transfer center. It's just
16 high-level talk because the transfer center is kind
17 of our hub where that nurse is, and then we have
18 PBX also in there.

19 The thought is let's bring security
20 dispatch in there. All of them are all manned
21 24/7, so it would help alleviate, you know, when
22 there is a staff shortage if they're all together.

23 CHAIRMAN BAUGHMAN: How many
24 respiratory nurses are in that station?

25 MR. HALL: So they're RNs.

1 They're regular nurses. That's the qualification
2 to be in there. It's not necessarily a respiratory
3 nurse.

4 CHAIRMAN BAUGHMAN: Got you.

5 MR. HALL: There can be anywhere
6 from two to six in that space.

7 CHAIRMAN BAUGHMAN: Will they
8 all be trained?

9 MR. HALL: Yes. It's part of
10 their job description.

11 MR. HENRY: Will they be trained
12 as attendants or just as remote attendants?

13 MR. TOTH: It's just remote.

14 MR. HALL: They have some -- you
15 know, they also have our secondary fire alarm panel
16 there, you know, that is in engineering. They also
17 have it there in case there's an issue.

18 CHAIRMAN BAUGHMAN: Okay.

19 MR. HALL: So it's kind of our
20 secondary space for monitoring.

21 MR. TOTH: And that, Mr. Henry,
22 is a great question about that. Though it is not
23 the best situation, I have a wife that's in the
24 medical industry, and when she hears that nurses
25 are put in the responsibility of a remote attendant

1 for boilers, she kind of gives me the business.

2 But that's not my position. That's
3 the position of the individuals sitting at this
4 table with me and they're responsible that they
5 have to respond to.

6 It's not unprecedented. I have
7 multiple clients that do it and make sure that
8 those individual nurses are trained appropriately.

9 CHAIRMAN BAUGHMAN: And that
10 will definitely come about during the inspector's
11 inspection to see how they perform and so forth.
12 Right?

13 Any other questions?

14 (No verbal response.)

15 CHAIRMAN BAUGHMAN: Do I have a
16 motion?

17 MR. HENRY: I'll make a motion
18 but I'm not quite sure how to word it. I would
19 move a contingent acceptance of the variance with
20 the understanding that with Mr. Toth's
21 comprehensive explanation of what the modified
22 procedure will be, that we'll get a hard copy of
23 that here within the next short time period, that,
24 under the assumption that Mr. Toth's description is
25 consistent with what we see, then we go ahead and

1 approve this variance.

2 CHAIRMAN BAUGHMAN: So my
3 question will be to you, Mr. Henry, should we get
4 that page in from Mr. Toth and we review it and
5 have questions or issues, then what's the protocol?

6 MR. HENRY: Well, I'm assuming
7 that the explanation that we've here is going to
8 mirror what we receive. So that if we have
9 questions, we should ask those questions now.

10 CHAIRMAN BAUGHMAN: I agree.
11 Being that this transfer station or the PBX is not
12 in the works now but is being looked at and we
13 don't know when that's going to be constructed, and
14 I take it would be constructed within the next
15 year's time frame, the whole -- well, so --

16 MR. TOTH: I'm sorry. I'm a
17 little confused, Mr. Chairman. Okay?

18 MR. HENRY: Yes. I think we're
19 mixing two things up.

20 CHAIRMAN BAUGHMAN: Okay.

21 MR. TOTH: The transfer center
22 and PBX is existing. There's no -- when you're
23 saying constructing the room, there is no
24 construction of that room. I think that I probably
25 didn't explain it well, is that there are talks, as

1 Mr. Hall said, at higher levels, that we will take
2 security dispatch office and move it over to the
3 transfer center. That is not something that is, as
4 I said, written in stone. It's just high-level
5 discussions about doing that for manpower
6 reasoning.

7 Everything that we're presenting, no
8 matter how the communication is, right, from
9 Section 5, those areas are going to stay the same.
10 The only difference is instead of direct
11 communication from the remote attendant to the
12 boiler attendant out in the hospital, it's going
13 to be the remote attendant to the security
14 dispatch, who is a boiler attendant. And then
15 they're going to communicate out to the hospital.

16 If it -- and I don't want to speak
17 for Mr. Hall and Mr. Barlow, but I would say the
18 number one thing is that these gentlemen want to
19 walk away with a tentative approval on their
20 variance. If that means that in the meantime it
21 makes our job harder in putting radios into the
22 remote station, they'll do that. What they don't
23 want to do is walk away from this stating that
24 they don't have a variance. They don't want what
25 we're asking to change in the way of the

1 communication to hold them up from getting a
2 variance.

3 MR. LASHLEY: If I may, is it a
4 possibility for you to email Jamie and us put it on
5 the white board?

6 MR. TOTH: Yes. Yes, there is.
7 I was trying to do it off the phone. The phone
8 doesn't like doing that. But if you give me a
9 couple of minutes, I'll pull up my laptop and I
10 will email it to Jamie. I was trying to do it off
11 the phone.

12 MR. LASHLEY: Is --

13 MR. TOTH: Yeah. I will be more
14 than happy --

15 MS. OWENS: I'll do a point of
16 information. As legal to the Board, I would give
17 caution to approving anything that the --
18 documentation-wise that the Board has not reviewed.

19 Secondly, I do want to remind the
20 Board, we had a request back in the spring where
21 the presenter had not provided all of the
22 information and you did not have it, and we
23 required that individual to come back.

24 The rules are clear it is the
25 responsibility of the presenter to provide the

1 information to the Board, not the Department. So
2 I do want to provide that information.

3 CHAIRMAN BAUGHMAN: Ms. Owens,
4 thank you very much for that.

5 Well, that may give us somewhat of an
6 answer right there. So we had a motion. You may
7 want to rescind that motion presently, given the
8 information that Ms. Owens just presented. From a
9 precedent standpoint also, that we required a
10 previous presenter to bring back information that
11 was lacking -- and I'm just saying this food for
12 thought -- and then make a motion to table, bring
13 back all the information for the December 11th
14 meeting.

15 Mr. Toth?

16 MR. TOTH: If I would, if that's
17 an issue, we'll pull back that request and just ask
18 for the manual to be approved as presented. That's
19 perfectly fine with us. We're willing to do that.
20 And I'll be up here in December anyway, and I'll be
21 more than happy to sit in front of you,
22 Mr. Chairman, and explain what we're doing.

23 And at that time, we may have some
24 more information on the security dispatch changing
25 or what have you.

1 CHAIRMAN BAUGHMAN: And we won't
2 have to make any revisions because we haven't --

3 MR. TOTH: We're fine. Yes.

4 MR. HENRY: With that, I would
5 modify my motion to move a tentative approval of
6 the variance as presented to the Board, again,
7 contingent upon successful inspections.

8 MR. COLLINS: I'll second.

9 CHAIRMAN BAUGHMAN: Very good.
10 Any other questions, discussions?

11 (No verbal response.)

12 CHAIRMAN BAUGHMAN: I'll call
13 for the vote. All in favor say "aye."

14 (Affirmative response.)

15 CHAIRMAN BAUGHMAN: Opposed?
16 Not voting?

17 (No verbal response.)

18 CHAIRMAN BAUGHMAN: There you
19 go.

20 MR. TOTH: Thank you.

21 CHAIRMAN BAUGHMAN: Great
22 discussion and thank you guys very much for taking
23 the time.

24 Now, the question beholds, now, when
25 this security station then changes and goes to the

1 transportation --

2 MR. COLLINS: Dispatch is going
3 to be --

4 MR. HENRY: It will eliminate
5 one step.

6 MR. HALL: Instead of calling
7 them, they'll just say, hey, we're in the same room
8 now.

9 CHAIRMAN BAUGHMAN: Okay. Good.
10 I just wanted to make sure that it wasn't a
11 revision that needed to come back for anything. So
12 I didn't think it was, personally, but I just
13 wanted to throw that out there.

14 Moving along to B., Board Cases &
15 Interpretations, BC 12-18, Extension to BC 01-15
16 Routine Repairs in Tennessee, a verbiage change.

17 Mr. Deason?

18 MR. DEASON: There's still a lot
19 of people here and this is the last agenda item.
20 If you want to speak to this, please sign up there
21 so we'll know.

22 CHAIRMAN BAUGHMAN: So who's
23 presenting this?

24 MR. COLLINS: So this is my item
25 that I brought. So I also declare a conflict of

1 interest since it is my item.

2 CHAIRMAN BAUGHMAN: Let's just
3 look at the change in the verbiage.

4 MR. COLLINS: And I'll go ahead
5 and give, I guess, some context to it. What it is,
6 is that there were some authorized inspectors that
7 were interpreting reply number one as being that
8 direct visual examination, VT, was a requirement.
9 It just can't be the only one.

10 So they're requiring it on all
11 routine repairs in addition to a second form of
12 NDE instead of -- for instance, if a routine
13 repair then received a hydro test or a pressure
14 test afterward, they were then coming back and
15 saying you also have to do VT and a second NDE on
16 top of a pressure test, which is incorrect. So --
17 or not incorrect, but not required.

18 So they're requesting for the wording
19 to be, I guess, a little more open to the
20 acceptable examination and testing methods that's
21 allowed by the NBIC.

22 CHAIRMAN BAUGHMAN: We've
23 already declared conflict of interest here, but
24 motion to discuss?

25 MR. HENRY: So moved.

1 MR. LASHLEY: Second.

2 CHAIRMAN BAUGHMAN: So any
3 question on the verbiage change?

4 MR. HENRY: For those of us who
5 are myopic and forgot our glasses, could you just
6 go through them?

7 MR. COLLINS: Yes. The original
8 reply number one read -- well, I'll go ahead and
9 say the inquiry number one as well.

10 So inquiry number one says, "May a
11 repair organization that possesses a State of
12 Tennessee license to engage in the erection and
13 repair of boilers and pressure vessels and a valid
14 National Board certificate of authorization to
15 repair boilers and pressure vessels be allowed to
16 perform routine repairs as defined in Section
17 3.3.2 of part 3 of the NBIC within the state of
18 Tennessee?"

19 Reply to number one is yes, being
20 that you can perform routine repairs. But direct
21 visual examination, VT, cannot be the only NDE
22 method applied.

23 And that was being interpreted to be
24 you have to provide two NDE methods at all times
25 or VT plus a secondary NDE method at all times.

1 What I did just for, you know,
2 discussion is I marked out NDE and I said
3 examination and testing, so -- or examination,
4 slash, testing. So it would read, yes, but direct
5 visual examination cannot be the only examination,
6 slash, testing method applied.

7 And I don't know -- and again, that
8 is up for discussion. I don't know if that is --
9 if we feel like that's achieving or resolving that
10 issue of people interpreting that the way that
11 they had been previously. Again, up for
12 discussion.

13 CHAIRMAN BAUGHMAN: What was the
14 impetus behind or who brought up the NDE question
15 to begin with? And I think this is valid, and
16 especially how you've listed now examination,
17 slash, testing. It definitely broadens the scope.
18 But who -- or maybe I shouldn't say who, but how
19 was this brought up, I guess, as a --

20 MR. COLLINS: It was the
21 authorized inspector of an R-stamp holder.

22 CHAIRMAN BAUGHMAN: Got you.
23 Okay. Good.

24 MR. HENRY: And what distinction
25 were they making between examination and testing?

1 MR. COLLINS: In regard to...

2 MR. HENRY: What is the
3 difference between examination and testing?

4 MR. COLLINS: Examination would
5 be like performing a liquid penetrant testing or
6 visual examination. Testing would be like pressure
7 tests, hydro tests, or a pneumatic test.

8 MR. HENRY: My only concern is
9 that, I mean, unless you spell that out, I think
10 that's going to confuse people as well because for
11 a lot of people, testing includes nondestructive
12 examination.

13 MR. COLLINS: True.

14 CHAIRMAN BAUGHMAN: Mr. Toth,
15 comment?

16 MR. TOTH: Yes. So what would
17 they have done in that situation -- the AI said
18 that they were confused that they were doing VT and
19 something else. What was that "and something
20 else"?

21 MR. COLLINS: What else were
22 they requiring?

23 MR. TOTH: No. Yeah. What else
24 were they doing? Because you're saying that they
25 were misinterpreting this, stating that they had to

1 do VT and they had to do something else. What was
2 the other --

3 MR. COLLINS: The other was that
4 they were doing hydro tests.

5 MR. TOTH: Okay. And so what
6 we're going to say in this situation is that it's
7 going to be satisfactory under this Board Case to
8 allow just for a pressure test?

9 MR. COLLINS: Yes.

10 MR. HENRY: With no other form
11 of examination, including visual testing, a visual
12 exam?

13 MR. COLLINS: Well, like a VT
14 would be a hundred percent VT, but with the hydro
15 test, you're checking for leaks, so it's not -- I
16 guess it's not defined. The hydro test includes
17 the visual observation of all welds, you know,
18 under pressure. But it's not classified as, like,
19 a hundred percent VT.

20 MR. TOTH: (Indicating.)

21 CHAIRMAN BAUGHMAN: Mr. Toth?

22 MR. TOTH: So remind me what
23 we -- we replaced this with a previous Board Case;
24 is that correct?

25 MR. COLLINS: It was a reworking

1 of a previous Board Case.

2 MR. TOTH: And what did that
3 previous Board Case read that they had to do?

4 MR. COLLINS: I don't -- I think
5 it only said routine repairs were acceptable. It
6 didn't indicate that VT was prohibited. That was
7 new with the reworking from a jurisdictional
8 standpoint because it's not -- the NBIC allows, in
9 some circumstances, for routine repairs to only
10 have a hundred percent VT.

11 MR. TOTH: And --

12 MR. COLLINS: And as a
13 jurisdiction, we're prohibiting that.

14 MR. TOTH: That's right. And so
15 the intent of requiring or allowing 100 percent VT,
16 we're going above and beyond that here in the state
17 of Tennessee.

18 So what was your intent when we put
19 that up there -- or when you put that up there?

20 MR. COLLINS: This current
21 revision?

22 MR. TOTH: No, the first one.

23 MR. COLLINS: To prevent them
24 from only doing VT and claiming that a repair is
25 good.

1 MR. TOTH: Even though the NBIC
2 allows it.

3 MR. COLLINS: Correct.

4 MR. TOTH: So we're going above
5 and beyond that. Okay. So in your mind, when you
6 wrote this, your thought was they've got to do
7 something more than just VT. Not VT and something
8 else; they've got to do something more. And your
9 idea, when you put NDE up there, what did you
10 envision?

11 MR. COLLINS: That they would
12 have to do VT plus dye penetrant test. But if
13 you're doing a hydro test, then you don't have to
14 do PT -- you don't have to do VT.

15 MR. TOTH: But let's be clear
16 that they're not doing a hydro test; they're doing
17 a pressure test. Hydro test is 1.3 or 1.5,
18 correct? So all we're doing, all we're going to
19 accept with this is if they go put it in there and
20 we're going to do a leak test. And that's going to
21 be satisfactory.

22 MR. COLLINS: Per the NBIC, it's
23 satisfactory.

24 MR. TOTH: State of Tennessee.
25 We're not talking about the NBIC. We're talking

1 about the State of Tennessee. You're going to be
2 happy with that.

3 MR. COLLINS: I would defer to
4 Chief Inspector.

5 MR. TOTH: Don't do that. Don't
6 throw him under the bus like that. Come on, Riley.

7 MR. HENRY: Well, just from the
8 technical standpoint, on any repair, should we be
9 requiring a visual test? Is there any reason not
10 to do a visual test on a repair?

11 MR. COLLINS: No.

12 MR. HENRY: Are we saying
13 there's -- if we're saying there are additional
14 tests that should be done over and above that, then
15 you're going to get into a situation, I think,
16 where you're going to have to look at exact nature
17 of the repair to determine what the appropriate
18 additional examination or testing is going to be.

19 And that's going to become a much
20 more complicated -- it's going to become a lot
21 more complicated to define that unless you say
22 something like all repairs shall be visually
23 tested, which in accordance with the National
24 Board, plus whatever additional testing or
25 examination is considered appropriate based on the

1 nature of the repair. And leave it up to --

2 MR. COLLINS: The AI.

3 MR. HENRY: Yeah. To determine
4 what that is.

5 MR. COLLINS: So if reply one
6 simply says that -- because when it comes to
7 NBIC -- I mean, as far as the discretion of the AI,
8 they can determine above and beyond NBIC as well.
9 So is it even necessary to have any wording beyond
10 the word "yes," and just invoke verbatim what NBIC
11 states?

12 MR. HENRY: I guess I'm not sure
13 exactly verbatim what NBIC states.

14 MR. COLLINS: It's in -- I can't
15 remember if it's in this one -- if it's in this
16 background or not. But as far as the definition of
17 routine repairs and what's allowed as far as
18 examination and testing of routine repairs, per the
19 NBIC.

20 MR. HENRY: I guess, rather than
21 a high level of -- I guess, first of all, are we in
22 agreement that any repairs should be visually
23 examined?

24 MR. COLLINS: I would agree with
25 that, yes.

1 MR. HENRY: I can't imagine why
2 anybody would disagree with that, frankly.

3 MR. LASHLEY: Yeah. I mean,
4 it's -- this -- you've got the whole NBIC here --

5 MR. HENRY: And then that the
6 next step is that any additional testing is going
7 to be based on the discretion -- based on the
8 nature of the repair as determined by the
9 authorized inspector.

10 If that's what the NBIC currently
11 says, then yeah, we should go with that.

12 MR. COLLINS: Right.

13 MR. HENRY: And I think that's
14 fairly clear.

15 MR. COLLINS: What the NBIC
16 states, yes.

17 MR. HENRY: Yes.

18 CHAIRMAN BAUGHMAN: Mr. Toth,
19 did you have an additional comment?

20 MR. TOTH: Yeah. The one thing
21 that we have to remember, Mr. Henry, is that in
22 routine repairs, based on the NBIC, there is no
23 inspector in process -- inspections being
24 performed.

25 I guess, I was kind of leading

1 Mr. Collins down the road of saying if we're going
2 to want to go beyond what the NBIC states, okay.
3 But if we're just leaving it open like that, why
4 even put a comment? Just put yes and move on.

5 Because that's really what you're
6 looking at is where the history of this comes from
7 is the fact that Tennessee -- when routine repairs
8 were put in the NBIC a few decades ago, they were
9 not allowed in the state of Tennessee. Then we
10 had a Board Case that allowed routine repairs only
11 when in regards to replacing tubes in a fire-tube
12 boiler minus welding.

13 Now we've seen decades of routine
14 repairs being healthy out in the field, so now
15 we're looking at what can be allowed in the state
16 of Tennessee, and why not just go with what the
17 NBIC has listed, and so we just say routine
18 repairs in the -- yes, they can be in the state of
19 Tennessee.

20 MR. HENRY: I agree.

21 MR. TOTH: Does that makes
22 sense?

23 MR. HENRY: Yes.

24 CHAIRMAN BAUGHMAN: Mr. Cass?

25 MR. CASS: So I believe, when

1 Riley and I spoke about this before, we were
2 wanting to eliminate somebody doing something like
3 a weld repair, thinking that the only inspection
4 would be a visual inspection. Whereas, these
5 repairs may have been performed and/or not failing,
6 but how many of those repairs were tested with a
7 pressure test or something found to not be repaired
8 and then had to be redone? And then we're using
9 data off of a repair that was done post second or
10 third attempt to repair that where there was a
11 pressure test or a penetrant dye or something used
12 to determine that the original pass wasn't
13 successful.

14 MR. TOTH: I don't have a
15 problem.

16 MR. CASS: Yeah. So I think we
17 were just trying to clear up that there needed to
18 be something more than just a visual inspection or
19 a visual test, and there needed to be something
20 above and beyond that, specifically from our
21 conversations with welded repairs because you can't
22 see what's going on underneath that weld.

23 CHAIRMAN BAUGHMAN: Mr. Toth?

24 MR. TOTH: Yeah. And I agree
25 with Alex on this. The issue that we also need to

1 recognize, even though there's not in-process
2 inspection by the AI or in this case, the repair
3 inspector, there still has to be authorization of
4 the repair. And in that case, there's still going
5 to be the Traveler, there's still going to be
6 requirements, because the repair inspector should
7 want to see that. They should want to see, well,
8 what testing did you perform? What do you plan to
9 perform?

10 But if we feel -- the State feels
11 that what Alex is saying is that it's not enough
12 just to put yes out there because you're afraid
13 they're going to take the path of least
14 resistance, absolutely put something in there, but
15 you're going to end up getting a laundry list of
16 what they can and cannot do. And that's why it
17 was such a headache for years with routine
18 repairs.

19 CHAIRMAN BAUGHMAN: It will
20 still be at the discretion of the AI.

21 MR. TOTH: That's right.

22 CHAIRMAN BAUGHMAN: So again,
23 that's on kind of an individual repair basis on who
24 they're using as an AI, but still, if we go with
25 this, it would be stipulated that there's above and

1 beyond that's needed.

2 MR. COLLINS: Isn't there -- if
3 I'm remembering correctly with the NBIC, isn't
4 there a check step to where VT only is only allowed
5 if it's allowed by the original code construction?
6 Which really is only, if I'm remembering correctly,
7 B 31-1 -- for instance, if you're looking at a
8 boiler, B 31-1 is the only original code of
9 construct -- or that allows sole VT or exclusive
10 use of VT.

11 MR. HENRY: Under certain
12 circumstances, right, pressure and temperature?

13 MR. COLLINS: So really, you
14 shouldn't -- exclusive use -- I mean, with the NBIC
15 and original codes of construction, isn't it kind
16 of built in and restricted anyway, that exclusive
17 use of VT is being used? So is it necessary to put
18 the rest of the wording beyond the word yes?

19 MR. LASHLEY: If we did put
20 beyond the word yes, would something like, "Yes,
21 with post-repair testing performed at the
22 discretion of the AI" be a pertinent...

23 CHAIRMAN BAUGHMAN: Mr. Toth?

24 MR. TOTH: That's why I had my
25 hand up, just what Micah said there, is we would --

1 we'd do that in the NBIC where with acceptance, not
2 approval but acceptance, by the inspector. And
3 since it's just the State of Tennessee, I wouldn't
4 even put in concurrence by the jurisdiction,
5 because -- just the acceptance by the inspector.

6 CHAIRMAN BAUGHMAN: Okay. Thank
7 you.

8 MR. TOTH: And I think that
9 that -- whatever way you word that, but that's the
10 way we do it in the NBIC.

11 CHAIRMAN BAUGHMAN: Okay. Thank
12 you.

13 MR. COLLINS: I like that.

14 CHAIRMAN BAUGHMAN: Okay. Do
15 you want to word that, Mr. Lashley?

16 MR. LASHLEY: Yes --

17 MS. DIEFENBACH: Let me get rid
18 of these changes here.

19 MR. LASHLEY: Yes, with
20 post-repair testing performed at the discretion of
21 the authorized inspector, or AI.

22 MR. TOTH: Repair inspector?

23 MR. LASHLEY: Repair inspector.
24 At the discretion of the repair inspector.

25 MR. COLLINS: Do we want to add

1 the words examination and testing?

2 MR. LASHLEY: Works for me.

3 CHAIRMAN BAUGHMAN: Any other
4 comments?

5 Yes, Ms. Owens?

6 MS. OWENS: You had one other
7 person sign up for public comment.

8 CHAIRMAN BAUGHMAN: Okay. Thank
9 you.

10 Sir, do you have a comment?

11 MR. EDWARDS: It was only if
12 something was said that I thought I might need to
13 make a comment. So I'm just listening.

14 CHAIRMAN BAUGHMAN: Very good.

15 MR. EDWARDS: But just in
16 case -- thank you, Ms. Owens. Just in case, I --
17 yeah.

18 CHAIRMAN BAUGHMAN: You bet.

19 MR. LASHLEY: So we have your
20 seal of approval?

21 MR. EDWARDS: If you put the
22 word "and," it indicates that you're going to still
23 require an examination and a test.

24 That might be "and/or." But the word
25 "and" by itself indicates both.

1 MR. LASHLEY: Yeah, that's fine.

2 MR. COLLINS: Or I'm fine with
3 removing it. The way you originally had it. I
4 think I'm now meddling, so...

5 CHAIRMAN BAUGHMAN: It all
6 depends on what the definition of examination is.

7 MR. EDWARDS: True. True.

8 CHAIRMAN BAUGHMAN: Your testing
9 is an examination of sorts, so...

10 MR. EDWARDS: True.

11 MR. LASHLEY: I mean, we can
12 take "examination and" out and just go with --

13 CHAIRMAN BAUGHMAN: I don't have
14 a problem with it being in there either, so it's at
15 your discretion.

16 MR. HENRY: And/or would be
17 good.

18 MR. LASHLEY: And/or?

19 MR. HENRY: Yes.

20 CHAIRMAN BAUGHMAN: Any other
21 comments? Thank you for the input out there,
22 everybody.

23 Any other clarifications?

24 Discussions? Concerns?

25 (No verbal response.)

1 CHAIRMAN BAUGHMAN: Thank you,
2 Mr. Collins, for bringing this up. So do we have a
3 motion to accept as rewritten?

4 MR. HENRY: So moved.

5 MR. LASHLEY: Second.

6 CHAIRMAN BAUGHMAN: All right.
7 All in favor say "aye."

8 MR. LASHLEY: Aye.

9 MR. HENRY: Aye.

10 CHAIRMAN BAUGHMAN: Aye.

11 Opposed? Nays? Not voting?

12 MR. COLLINS: Not voting.

13 CHAIRMAN BAUGHMAN: Mr. Collins
14 not voting. So we have an approved change to the
15 verbiage of BC 12-18, the extension of BC 01-15.

16 Very good. Anything else to discuss?

17 (No verbal response.)

18 CHAIRMAN BAUGHMAN: No? I would
19 say our upcoming 2025 quarterly meeting is
20 scheduled December the 11th, which is a Thursday.
21 Just make note of that.

22 I hope everybody has a good, safe
23 Halloween, Thanksgiving --

24 Yes, Mr. Deason?

25 MR. DEASON: I hope you have a

1 good Thanksgiving, but first, because there's been
2 so much back and forth, would you mind reading for
3 the record the exact way that the Board wishes this
4 to be handled in the future.

5 CHAIRMAN BAUGHMAN: Yes, sir.
6 As far as the reply?

7 MR. DEASON: Yes, sir.

8 CHAIRMAN BAUGHMAN: Yes, sir.
9 So the reply on number one is -- do you want me to
10 read the inquiry, too, or just the reply?

11 MR. DEASON: Just the reply.

12 CHAIRMAN BAUGHMAN: Okay. The
13 reply on number one is, "Yes, with post repair
14 examination and/or testing performed at the
15 discretion of the repair inspector."

16 MR. DEASON: Thank you.

17 CHAIRMAN BAUGHMAN: You're
18 welcome. Thank you. Very good.

19 With that, if there's nothing else,
20 I'll call the meeting adjourned.

21

22 END OF THE PROCEEDINGS.

23

24

25

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, State of Tennessee
Board of Boiler Rules, on the 10th day of
September, 2025.

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 24th day of September, 2025.

Cassandra M. Beiling, LCR# 371
Notary Public State at Large
My commission expires: 3/4/2028