

QUARTERLY MEETING OF THE TENNESSEE BOARD OF BOILER RULES

DEPOSITION OF HEARING

Taken July 17, 2020



615.221.1089

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

QUARTERLY MEETING OF THE
STATE OF TENNESSEE
BOARD OF BOILER RULES
ZOOM VIDEOCONFERENCE
JULY 17, 2020

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Stone & George Court Reporting
2020 Fieldstone Parkway
Suite 900 - PMB 234
Franklin, Tennessee 37069
615.221.1089

1 APPEARANCES: (VIA ZOOM VIDEOCONFERENCE)

2 Brian R. Morelock, Board Member
3 Owner-User Representative

4 David W. Baughman, Board Member
5 Owner/User Representative
6 Allied Boiler & Supply, Inc.
7 4006 River Lane
8 Milton, Tennessee 37118

9 Dr. S. Keith Hargrove, Board Member
10 Mechanical Engineer Representative
11 Goodlettsville, Tennessee

12 Harold Bowers, Board Member
13 Insurance Representative
14 Centerville, Tennessee

15 Jeffery Henry, Board Member

16 Terry Fox, Board Member
17 Boilermaker Representative
18 Chattanooga, Tennessee

19 Sam Chapman, Chief Boiler Inspector

20 Christopher OGuin, Assistant Chief Boiler
21 Inspector

22 Thomas Herrod, Assistant Commissioner, WRC
23 State of Tennessee

24 Deborah Rhone, Boiler Office Supervisor
25 State of Tennessee

Jamie Presson, Executive Admin. Asst.
State of Tennessee

Daniel A. Bailey, Legal Counsel
State of Tennessee

Tiffany Baker, Boiler Office Staff
State of Tennessee

Deonne Bell, Boiler Office Staff
State of Tennessee

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APPEARANCES CONTINUED

Carlene T. Bennett, Board Secretary
State of Tennessee Workplace Regulations &
Compliance Division

GUEST APPEARANCES:

James Neville, Neville Engineering
(Representing Superior Carriers)
Stephen McDermott, Terminal Manager for Superior
Carriers; Carry Transit/Superior Carriers

PERDUE FARMS:

Marty Toth, ECS Consulting & Boisco Training
Group
Dan Markey, Weston Foods, Maintenance Manager
Wendy LaVan, Boiler Supply Company
Greg Kelley, Boiler Supply Company
Del Robinson, Perdue Farms
Darrell Jackson, Perdue Farms
Drew Garrett, Perdue Farms

COURT REPORTING SERVICES AND ZOOM
VIDEOCONFERENCING:

Jennifer Haynie, LCR, Stone & George Court
Reporting
Nan George, Stone & George Court Reporting

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I N D E X

ITEM	COMPANY	PAGE
20-03	Superior Carriers By Mr. Neville By Mr. McDermott	17
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20-05	Perdue Farms Monterey, Tennessee By Mr. Toth By Mr. Robinson By Mr. Jackson By Mr. Garrett	54

A G E N D A

- I. CALL MEETING TO ORDER
- II. INTRODUCTIONS AND ANNOUNCEMENTS
- III. ADOPTION OF THE AGENDA
- IV. CHIEF BOILER INSPECTOR'S REPORT
- V. VARIANCE REPORT
- VI. OLD BUSINESS
 - . NONE
- VII. NEW BUSINESS
 - . 20-03 - Superior Carriers, Inc. Located at 1897 Harbor Avenue, Memphis, Tennessee 38106, is requesting a new variance for one (1) high-pressure boiler to operation under the requirements of Chapter 0800-03-03-.8(11).
 - . 20-04 - Weston Foods located at 105 Duke Drive, Lebanon, Tennessee 37090, is requesting a new variance for two (2) high-pressure boilers to operate under the requirements of Chapter 0800-03-03-.8(11).

1 . 20-05 - Perdue Farms located at 2300
2 Industrial Drive, Monterey, Tennessee 38574, is
3 requesting a new variance for four (4)
4 high-pressure boilers to operate under the
5 requirements of Chapter 0800-03-03-.8(11).

6 VIII. OPEN DISCUSSION ITEMS
7 . None

8 IX. ANNOUNCEMENT OF NEXT MEETING

9 The next regularly scheduled meeting of
10 the Board of Boiler Rules will be held at 9:00
11 a.m. on Wednesday, June 24, 2020, via Zoom Video
12 Conferencing.

13 X. ADJOURNMENT

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2 MS. GEORGE: Good morning. I'm
3 Nan George with Stone & George Court Reporting,
4 and I'll be the Zoom host for today. Our Court
5 Reporter is Jennifer Haynie -- if you see the
6 box that says, "Jennifer." She's having issues
7 with her video but she is comfortable to
8 proceed, and she can see and hear everybody
9 okay.

10 Our job is to ensure a verbatim
11 transcript of the proceedings is produced, so
12 please think about attending this
13 videoconference no differently than you would
14 think about being in a conference in person with
15 a group of people. Anything that you say or do
16 can be seen and heard by everyone else on the
17 Zoom if your microphone is not muted. So
18 because of that and the number of attendees
19 today, we will mute everybody until you are
20 called on to speak. If you have something to
21 say before you're called on, please use the
22 raise-hand function that's located in the
23 participant's screen.

24 We want to make sure that everybody
25 on Zoom is set up properly prior to the hearing

1 starting so that we don't have any issues with
2 audio or video once the meeting begins. When
3 everyone is set up efficiently, this hearing
4 should pretty much mirror what happens when
5 we're all in the hearing room together.

6 So if you haven't done so, please go
7 to the chat box now and enter your name and the
8 company you represent, and when you're called
9 on, please unmute yourself and verbally state
10 your name and your company.

11 So thank you all very much.
12 Mr. Chairman?

13 CHAIRMAN MORELOCK: Thank you, Nan.
14 This is the June 17th, 2020, meeting of the
15 Tennessee Board of Boiler Rules. I hope
16 everyone has a copy of the agenda, and so
17 looking at that agenda the first item is to call
18 the meeting to order. So I am doing that now.
19 I am calling this meeting to order.

20 Item II is introductions and
21 announcements and so what we will do is we will
22 begin with the Tennessee Board Members. They
23 will introduce themselves and then we will have
24 the visitors and presenters to introduce
25 themselves.

1 So I am Brian Morelock and I'm with
2 Eastman Chemicals and I'm the Chair of the
3 Tennessee Board. So let's go to Mr. Baughman.

4 MR. BAUGHMAN: I'm Dave Baughman,
5 I'm a Board Member. I'm with Allied Boiler &
6 Supply.

7 CHAIRMAN MORELOCK: Thank you,
8 Mr. Baughman. Mr. Bowers?

9 MR. BOWERS: Im Harold Bowers, Board
10 Member, and I'm with FM Global Insurance
11 Company.

12 CHAIRMAN MORELOCK: Thank you,
13 Mr. Bowers. Mr. Fox?

14 MR. FOX: Terry Fox, Board Member.

15 CHAIRMAN MORELOCK: Thank you,
16 Mr. Fox. Mr. Henry?

17 MR. HENRY: Jeff Henry with ADC
18 Chattanooga, Board Member.

19 CHAIRMAN MORELOCK: Thank you,
20 Mr. Henry. Mr. Hargrove, Dr. Hargrove?

21 MR. HARGROVE: Keith is fine. Good
22 morning, everyone. Keith Hargrove, from
23 Tennessee State University, Board Member.

24 CHAIRMAN MORELOCK: Thank you. So
25 now we will begin with the visitors -- well,

1 let's go to the State of Tennessee. Let them
2 make their introduction, and then we'll have the
3 visitors.

4 So, Mr. Herrod, we'll let you kick
5 that off.

6 MR. HARROD: My name is Tom Harrod,
7 Assistant Commissioner for the Workplace
8 Relations and Compliance.

9 CHAIRMAN MORELOCK: Chief Chapman?

10 MR. CHAPMAN: Sam Chapman, Chief
11 Boiler Inspector.

12 CHAIRMAN MORELOCK: Assistant Chief
13 OGuin?

14 MR. OGUIN: Chris OGuin, Assistant
15 Chief Boiler Inspector.

16 CHAIRMAN MORELOCK: Ms. Bennett?

17 MS. BENNETT: Carlene Bennett, Board
18 Secretary.

19 CHAIRMAN MORELOCK: Mr. Bailey?

20 MR. BAILEY: Dan Bailey, Legal
21 Counsel.

22 CHAIRMAN MORELOCK: Ms. Rhone?

23 MS. RHONE: Deborah Rhone, Boiler
24 Office Supervisor.

25 CHAIRMAN MORELOCK: And who have I

1 left out?

2 MS. PRESSON: Jamie Presson,
3 Executive Administrative Assistant, WRC.

4 CHAIRMAN MORELOCK: So going down to
5 our visitors and let me see. Mr. Neville?

6 MR. NEVILLE: (Inaudible).

7 CHAIRMAN MORELOCK: Mr. Neville, you
8 are very hard to understand. I don't know if
9 you have a bad connection or what, but we're
10 going to have to see if you can get a better
11 connection so we can understand you better.

12 MR. NEVILLE: Okay. James Neville,
13 with Neville Engineering. Can you hear me now?

14 CHAIRMAN MORELOCK: Yes, that's much
15 better.

16 MR. NEVILLE: Okay. Representing
17 Superior Carriers.

18 CHAIRMAN MORELOCK: Okay.
19 Mr. McDermott?

20 MR. MCDERMOTT: Yes, Steve
21 McDermott, Terminal Manager for Superior
22 Carriers.

23 CHAIRMAN MORELOCK: Thank you, sir.
24 Mr. Toth?

25 MR. TOTH: Good morning. Marty

1 Toth, ECS Consulting & Boisco Training Group. I
2 also have a number of individuals in the room
3 with me. I will let them go ahead and introduce
4 themselves, if you're okay with that,
5 Mr. Chairman?

6 CHAIRMAN MORELOCK: Yes, please.

7 MS. LAVAN: Hi, I'm Wendy LaVan with
8 Boiler Supply; I'm an account manager.

9 MR. MARKEY: Dan Markey with Weston
10 Foods, Maintenance Manager.

11 MR. GARRETT: Drew Garrett, Perdue
12 Farms.

13 MR. JACKSON: Darrell Jackson,
14 Perdue Farms.

15 CHAIRMAN MORELOCK: Thank you, sir.
16 Did everyone understand those names?

17 THE REPORTER: I didn't. I'm sorry.

18 MR. TOTH: I'll go ahead and
19 re-announce those. Wendy LaVan with Boiler
20 Supply Company, Dan Markey with Weston Foods.
21 We have Drew Garrett with Perdue Farms,
22 Del Robinson with Perdue Farms, and Darrell
23 Jackson with Perdue Farms.

24 CHAIRMAN MORELOCK: Thank you,
25 Mr. Toth. Bear with me. The names shuffle as

1 we introduce people. I'm not intentionally
2 overlooking anybody. I'm looking at my list
3 here. If I've left anyone out, please let me
4 know now.

5 Is that all of our visitor?

6 MR. KELLEY: You have Greg Kelley
7 with Boiler Supply.

8 CHAIRMAN MORELOCK: Thank you, sir.

9 Is there any other visitors that we
10 have not recognized? Okay. Thank you.

11 Item III of the agenda is the
12 adoption of the agenda. I hope everyone has
13 access to the agenda, and so now we will -- we
14 will have the motion from the Tennessee Board to
15 adopt the June 17th, 2020, agenda.

16 MR. HENRY: I adopt this motion.

17 CHAIRMAN MORELOCK: Thank you,
18 Mr. Henry. I have a motion from Mr. Henry.

19 Do I have a second?

20 MR. BAUGHMAN: Second.

21 CHAIRMAN MORELOCK: Thank you,
22 Mr. Baughman, for that second.

23 So with this meeting being a virtual
24 meeting, we will have a rollcall for all voted
25 motions and actions. So I will now rollcall the

1 Board Members to vote.

2 So, Mr. Baughman, do you approve?

3 MR. BAUGHMAN: Aye.

4 CHAIRMAN MORELOCK: Thank you.

5 Mr. Bowers?

6 MR. BOWERS: Aye for me.

7 CHAIRMAN MORELOCK: Mr. Fox?

8 MR. FOX: Aye.

9 CHAIRMAN MORELOCK: Mr. Henry?

10 MR. HENRY: Aye.

11 CHAIRMAN MORELOCK: Dr. Hargrove?

12 DR. HARGROVE: Aye.

13 CHAIRMAN MORELOCK: Thank you. So we
14 have an agenda. So that will take us to Item
15 IV, the Chief Boiler Inspectors Report, and I
16 will let Mr. Chapman, Chief Chapman, present
17 that report.

18 MR. CHAPMAN: Okay. Our state
19 inspection was 1,931. Insurance inspection --
20 sorry about that -- is 5,135; giving us a total
21 of 7,063. And -- okay. Total delinquent
22 inspections, we have a total of 72,610 vessels
23 total. State inspection was 682.

24 If you don't mind, let me start over
25 real quick on that.

1 CHAIRMAN MORELOCK: Perfectly fine.

2 MR. CHAPMAN: Okay. Member
3 inspection from June -- July 1st through
4 June 15, 2019, a state inspection was a total of
5 7,478, insurance agency was 21,604, giving us a
6 total of 29,082 for the year of 2019.

7 For the year 2020 from July 1st,
8 2019, though June 15, 2020, the state inspection
9 was 8,060, insurance agency was 20,571, giving
10 us a total of 28,630 vessels right now. For a
11 total of 72,689 vessels throughout the State of
12 Tennessee.

13 Showing delinquent on just June 15,
14 2020, we have a total of 72,689 vessels
15 all-together, state inspection 1,300, insurance
16 agency 1,620. Those are the delinquents and
17 that gives us a total of 2,920. That gives us a
18 4 percent delinquency. Those are due to the
19 COVID 19. We're starting to -- starting our
20 inspection again, I'll call it "wrapping up,"
21 they're trying to get the delinquents down
22 again. We have one -- excuse me, 199
23 high-pressure vessels and both the state
24 inspection and the agency insurance is working
25 on those to get those down because the high

1 pressure is the most critical ones -- 108,
2 unconnected is 47.

3 We have two inspectors that are up
4 from Columbus, Ohio, as we speak, which is in
5 two weeks, which is Mike McGee, Michael McGee,
6 and Lincoln Williams. They should be back --
7 hopefully we should have two new inspectors by
8 the 26th of June.

9 Various reports will be given by the
10 Assistant Chief, Chris OGuin.

11 CHAIRMAN MORELOCK: Thank you,
12 Mr. Chapman.

13 Are there any questions or comments
14 on the Chief's report?

15 MR. BAUGHMAN: Yes, Dave Baughman,
16 Board Member.

17 Chief, what areas are Mike McGee and
18 Lincoln Williams going to be covering?

19 MR. CHAPMAN: Lincoln Williams will
20 be taking over the Chattanooga area, because one
21 of the inspectors down there, he's a
22 replacement. Mike McGee is going to be taking
23 over the Memphis area.

24 MR. BAUGHMAN: Very good. Thank
25 you.

1 MR. CHAPMAN: You're welcome.

2 CHAIRMAN MORELOCK: Any other
3 questions or comments for the Chief's report?
4 Okay.

5 We will move onto Item V which is
6 the variance report, and I will let Assistant
7 Chief Chris OGuin present that.

8 MR. OGUIN: Thank you, Chairman.

9 As of today, we have 140 known
10 variances, 8 requiring following-up inspection,
11 75 are active, 20 require reinspection, 37 no
12 longer require the variances and in dormant.
13 This quarter we completed 11 variance audits
14 with 11 approved. Of those approved are Clover
15 Bottom, West Tennessee Healthcare of Jackson,
16 West Tennessee Healthcare of Dyersburg,
17 Claiborne Medical, Fort Sanders Regional,
18 Cumberland Medical, Poly One, Yoplait. That's
19 all I have.

20 CHAIRMAN MORELOCK: Thank you.

21 Are there any questions or comments
22 on the variance reports? All right. Hearing
23 none.

24 Let's move onto our next item on the
25 agenda which is Item VI which is old business

1 which we do not have any old business at this
2 time.

3 That will take us to Item VII on the
4 agenda for new business, and our first new
5 business item is Item 20-03 Superior Carriers,
6 located in Memphis, Tennessee, requesting a new
7 variance for one hot-pressure boiler to operate
8 under the requirements of Chapter 0800-03-03.

9 So if the presenters and the
10 representatives will introduce themselves and
11 present your item...

12 I will ask that if the Tennessee
13 Board Members, if there is a conflict of
14 interest on this item, please state that
15 conflict now. Okay. Hearing none.

16 Mr. Neville, are you going to
17 present this item?

18 MR. NEVILLE: Yes. How's my audio?

19 CHAIRMAN MORELOCK: It's pretty good
20 right now.

21 MR. NEVILLE: Yes. This is
22 James Neville with Neville Engineering
23 presenting a boiler variance request for
24 Superior Carriers. Our request is for one
25 boiler. This is a Hurst Boiler that will be --

1 that is currently installed; it's Tennessee
2 Number T-116206.

3 On the call as well is Stephen
4 McDermott.

5 Last week -- this is a sister
6 company. It's a sister company but Carry
7 Transit is his company as well as he works with
8 Superior Carriers as well. Superior Carriers is
9 the truck transport line; whereas Carry Transit
10 was the rail line. This is the truck transport
11 line, so they use the steam in the same method
12 to clean their tanks and sanitize their tanks,
13 and they also use it for heating steam in part
14 of their building.

15 So these boilers are used nine hours
16 per day, five days a week, and the site-plan on
17 Figure 1, we show the distance from the remote
18 station at the dispatch office to the boiler
19 room was approximately 223 feet.

20 The individuals that will be
21 monitoring the -- at the remote station, those
22 will be Superior's operations supervisor and
23 dispatch. The job description that they'll use
24 for monitoring the boiler, will be the yard
25 foreman and the yard maintenance foreman. Their

1 job descriptions are shown in Appendix G.

2 Now, the layout of the boiler room
3 is shown in Appendix B, and he, too, especially
4 has the layout. This is with Carry Transit,
5 they had it in a conic arrangement. This is in
6 a building with the appropriate clearances
7 around the boilers.

8 Is there any questions? We can take
9 any questions. Mr. McDermott I believe is on
10 the line as well.

11 MR. MCDERMOTT: Yeah, this is on
12 the -- just to clarify on the carrier side,
13 yeah, we did a rail and trucking run because
14 that's approved by Superior's sister company, I
15 believe the trucking in that comes from the
16 chemical division, and I get the fortunate task
17 of running them both.

18 MS. GEORGE: Excuse me. Could we
19 ask Mr. McDermott to state your name before you
20 speak? Thank you.

21 MR. MCDERMOTT: Not a problem.

22 CHAIRMAN MORELOCK: Thank you.

23 MR. BOWERS: I will go ahead and
24 have a motion to discuss.

25 CHAIRMAN MORELOCK: Thank you,

1 Mr. Bowers. Do I have a second?

2 MR. FOX: I will second that.

3 CHAIRMAN MORELOCK: Thank you,

4 Mr. Fox.

5 What comments do you have on this
6 variance?

7 MR. BAUGHMAN: Any conflicts?

8 MR. CHAIRMAN MORELOCK: We asked for
9 conflicts.

10 MR. BAUGHMAN: We did?

11 CHAIRMAN MORELOCK: Thank you for
12 reminding me, though.

13 MR. HENRY: Mr. Chairman, I would
14 like to ask a quick question. On the initial
15 page it says, Superior Carriers will install
16 a -- basically a monitoring control system?

17 MR. BAILEY: Please state your name.

18 MR. HENRY: Jeff Henry, Board
19 Member.

20 On the first page it indicates that
21 "Superior Carriers will install the monitoring
22 and control system." My question is simply:
23 Has that system been installed at this time?

24 MR. MCDERMOTT: No, not yet. This
25 is Steve with Superior.

1 No, not yet. We have plans to -- we
2 had to go through the appropriate channels --

3 MR. NEVILLE: That system is a Hawk
4 1,000 system.

5 MR. BAILEY: Mr. Neville, you also
6 need to state your name when you start speaking,
7 please.

8 MR. MCDERMOTT: Again, this is Steve
9 with Superior.

10 We've got to go through the proper
11 channels to get everything approved through our
12 corporate office.

13 MR. NEVILLE: As far as the Hawk
14 1,000 control...

15 CHAIRMAN MORELOCK: Mr. Neville,
16 we're not hearing your audio at all.

17 MR. NEVILLE: James Neville. Was
18 that clear? That Hawk 1,000 system will be
19 installed. That is the proposed system.

20 MR. HENRY: Jeff Henry, Board
21 Member. Just a clarification. this is --

22 MR. NEVILLE: Can you hear me now?

23 CHAIRMAN MORELOCK: Yes.

24 MR. BAILEY: Mr. Neville, can you
25 hear when others are speaking? Mr. Neville, can

1 you hear when other people are speaking? Why I
2 ask that is because he's interrupted two or
3 three times here. So I'm thinking he cannot
4 hear when Mr. McDermott is speaking --

5 MR. NEVILLE: Yes, I can.

6 MR. BAILEY: Yes, you can. Okay.

7 MR. NEVILLE: This is James Neville.
8 Yes, I can hear others speaking.

9 MR. BAILEY: There was a couple of
10 times that you spoke over someone; that's why I
11 was asking.

12 CHAIRMAN MORELOCK: Okay.
13 Mr. Neville and Mr. McDermott, you can proceed.
14 I don't think the Board has clearly understood
15 the remote monitoring equipment and the Hawk
16 1,000 system; this is in the process of being
17 installed or not being installed? If you could
18 update the Board the status of where this
19 physical installation is, that would be helpful.

20 MR. MCDERMOTT: This is Steve with
21 Superior. We were in the middle of getting the
22 approvals. We were recently purchased by a
23 third-party investment group, so that got put on
24 hold. We are still following through with
25 getting everything installed, but we're still

1 waiting on the proper approvals which we should
2 have very soon.

3 CHAIRMAN MORELOCK: Thank you.

4 What other questions does the Board
5 Members have?

6 MR. BOWERS: Harold Bowers, Board
7 Member.

8 I think the question we're looking
9 at is: With the system they have of upgrading
10 this system to the Hawk or not upgrading it, is
11 it adequate to submit this to the Board right
12 now for the approval of a variance or not? I
13 think that's a question that we need to look at.
14 During the process of doing stuff, should we be
15 looking at approving a variance right now or
16 not?

17 CHAIRMAN MORELOCK: That's a fair
18 question, Mr. Bowers. Just for information, the
19 Board is reviewing this request for a variance
20 and this variance manual, under the expectations
21 that all of the equipment listed in this
22 variance manual is the actual equipment that is
23 being installed for the variance, and even with
24 contingent approval today, the variance would
25 still the -- the physical location had to be

1 visited by the Boiler Unit and inspected and to
2 make sure that it matches up with what is
3 detailed in the variance manual before you can
4 operate it under the variance, and so the Board
5 Members need to be assured that even though this
6 has not been installed yet, what is contained in
7 this manual is the current plan for
8 installation, and when the Boiler Unit makes a
9 stop visit, the equipment listed in the manual,
10 the physical equipment, they will see in the
11 field when they make their visit.

12 So can, Mr. Neville, Mr. McDermott,
13 please speak to that?

14 MR. MCDERMOTT: This is Steve with
15 Superior. I guess we lost James. So you're
16 saying it needs to be installed before we
17 proceed or?

18 CHAIRMAN MORELOCK: No. What I'm
19 stating is that what is contained in the manual
20 as far as equipment, installation, the operation
21 of it, the job descriptions of the personnel
22 that will monitor and attend the boiler.

23 The Board can look at this today and
24 vote on this today, but we need to understand
25 once that variance is approved, any technical

1 change to the manual for equipment or the way
2 it's operated or any technical change to the
3 manual would require you to come back to the
4 Tennessee Board and ask for a revision to the
5 variance manual.

6 So I'm not saying that we can't vote
7 on this today, but what I am saying is that the
8 Board Members need to be assured in what we're
9 reviewing today is what you plan to install, and
10 if there's changes, then you'd have to come back
11 to the Boiler unit to get on the agenda for the
12 board meeting to revise your variance manual.

13 Does that make sense, Mr. McDermott,
14 Mr. Neville?

15 MR. MCDERMOTT: This is Steve with
16 Superior again, that makes sense.

17 MR. BOWERS: This is Harold Bowers,
18 Board Member. The only thought I have on
19 that -- and again, this is far-fetched -- you
20 know they're saying, well, we're going to put a
21 boiler in next month. We haven't got approval
22 for the boiler yet, but we want to submit
23 paperwork for a variance for a boiler we don't
24 even have yet.

25 Now, this is not a boiler we're just

1 talking about, equipment for the boiler, but
2 it's something that -- it's like -- it looks
3 like it's kind of undetermined of the subject
4 being bought out or if they have funding or not
5 funding or, you know, I guess it puts extra work
6 on the Chief to setup, to inspect the equipment
7 that's not even installed yet, and we could do
8 that, but it's just kind of stretching our
9 limits a little bit. Back to the Chairman.

10 MR. TOTH: Marty Toth, ECS
11 Consulting. This is not unprecedented. There
12 are various situations where companies choose to
13 present to the Board prior to them placing the
14 investment on additional equipment and installs
15 up to and including installing boilers.

16 In the past there's been information
17 that's been provided to the Board on a specific
18 boiler type, model, et cetera, and also
19 additional equipment, control equipment, such as
20 the Hawk System, steam systems, so on and so
21 forth. It has been presented to the Board as
22 Chairman Morelock alluded to. The Board votes
23 on the proposed variance, and the inspection
24 then follows thereafter. And as Chairman
25 Morelock alluded to, if there were any changes

1 to the boiler types, models, controls, or
2 processing, then it would have to come before
3 the Board.

4 So I wanted to give you some
5 background that I had.

6 CHAIRMAN MORELOCK: Thank you,
7 Mr. Toth.

8 MR. BOWERS: Yeah, this is Harold
9 Bowers, Board Member -- excuse me.

10 CHAIRMAN MORELOCK: Yeah, go ahead.

11 MR. BOWERS: Yeah, I understand what
12 Marty was saying right now and I agree with
13 that.

14 CHAIRMAN MORELOCK: What comments do
15 the Board Members have on this proposed
16 variance?

17 MR. BAUGHMAN: Mr. Chairman, I do.
18 I have some questions. This is Dave Baughman,
19 Board Member.

20 And I know we don't have or maybe we
21 do have -- no, I don't see Mr. Neville back.
22 But on Appendix A, page 1, there's no safety
23 relief valve, set pressure, or capacity info
24 listed. I always kind of like to see that in
25 the equipment description. Under that same

1 appendix, boiler data sheet, it lists the model
2 number, the Model 500, and that's actually the
3 series number of the boiler. That's not the
4 model number of the boiler, just for
5 clarification purposes.

6 We've got the correct serial number,
7 but the model number is not the Model 500.

8 Under Appendix E, the power piping
9 diagram, feedwater diagram, Item 17 on our
10 checklist, just asks for a simplified drawing of
11 the power piping and the feedwater diagram. I
12 see the simplified power piping, but I don't see
13 a simplified feedwater diagram on this drawing.

14 CHAIRMAN MORELOCK: I agree with
15 you, Mr. Baughman. I have the same content in
16 Appendix E. The diagram needs a little more
17 detail.

18 MR. BAUGHMAN: Yes, sir. The
19 Appendix G, in the Table of Contents, shows it
20 as being G 1 through 9, but I don't have G 1
21 through 9. I've got multiple G 1 through 3's,
22 but I never go to a G 1 through 9
23 identification. The furthest I go is G 4, but
24 I've got 1 through 3 multiple times.

25 But under G 3, yard maintenance

1 foreman, essential duties and responsibilities,
2 I don't know if that individual needs to be
3 listed as a boiler attendant. It just says
4 under those duties and responsibilities that
5 they monitor the boiling per the system manual.
6 So it doesn't really identify whether they're a
7 boiler attendant or a remote attendant. It just
8 says that they monitor per the manual, and I
9 didn't know if that needed some clarification in
10 those essential duties and responsibilities. I
11 didn't quite understand it.

12 Mr. McDermott, you're the terminal
13 manager; is that correct?

14 MR. MCDERMOTT: Yes.

15 MR. NEVILLE: I'm back.

16 MR. BAUGHMAN: Thank you, Steve.

17 Let me speak about the two
18 facilities. So my question may even had been
19 asked previously with Carry, but for Superior,
20 in particular, your responsibilities include
21 training of this system and training of the
22 personnel; is that correct?

23 MR. MCDERMOTT: Yes, sir, that's
24 correct.

25 MR. BAUGHMAN: Okay. And at this

1 time since you don't have the system, you're not
2 particularly familiar with the system to
3 incorporate that training; is that correct?

4 MR. MCDERMOTT: Well, the boiler --
5 this is Steve again -- the boiler that Carry has
6 is a system real similar to the Hawk System that
7 are being installed at Superior. So, I mean,
8 it's a big -- they obviously will provide us
9 training on the system. But the boiler at Carry
10 is actually a lot bigger, it's a newer system,
11 and the attendants are there. There are going
12 to be attendants there, the yardman. That's the
13 same job description that was approved by Carry
14 last week.

15 MR. BAUGHMAN: Very good. Has this
16 boiler been -- I'm sorry. This is Dave
17 Baughman, Board Member.

18 Has this boiler had any operational
19 issues?

20 MR. MCDERMOTT: This is Steve with
21 Superior. No, it has not.

22 MR. BAUGHMAN: Very good.

23 MR. MCDERMOTT: It was just
24 inspected here recently, just this past
25 Saturday.

1 MR. BAUGHMAN: Very good. I noticed
2 that the yard foreman and yard maintenance
3 foreman are not listed on the emergency call
4 list nor is dispatch, and there was an emergency
5 call list that is in our manual, and there's
6 kind of a flowchart of communication duties, but
7 I did not notice the operations supervisor and
8 dispatch are at the remote station. Boiler
9 attendant and yard foreman and yard maintenance
10 foreman but the yard foreman and yard
11 maintenance foreman are not listed on the
12 emergency call list nor is that of dispatch. Is
13 that actually correct or do they need to be
14 added in or what's -- I wanted to bring that up
15 just for conversation.

16 MR. MCDERMOTT: That would more
17 likely be added. That was more of just an
18 oversight.

19 MR. BAUGHMAN: Very good. That's
20 all I've got for now. Thank you.

21 CHAIRMAN MORELOCK: Thank you,
22 Mr. Baughman. But this manual, since it is very
23 similar to Carry Transit, one thing you'll
24 notice is on appendix -- actually several
25 appendixes, Appendix B and C, at the bottom of

1 the page, show "Carry Transit" and it should be
2 "Superior Carriers."

3 As Mr. Baughman has noted, there are
4 some page numbering issues that need to be
5 corrected which is just typographical errors.

6 If you look at Appendix D, F, G, H,
7 I, J, and K, most of the bottom of those pages
8 also show "Carry Transit" instead of "Superior
9 Carriers," and that needs to be corrected.

10 I think you addressed my concern on
11 Appendix D. The scope of work that we, you
12 know -- my question was: When will this be
13 installed and Mr. McDermott has spoken to that.
14 So the manual just needs -- not necessarily
15 editorial -- some typographical errors fixed to
16 make it a Superior manual instead of a Carry
17 Transit, and so that's my comments.

18 What are the other comments of the
19 Board Members?

20 MR. BAUGHMAN: This is Dave
21 Baughman, Board Member.

22 I don't see an example of the remote
23 station and I looked through it a couple of
24 times to see if there was a picture. I know
25 that in some other manuals that we are presented

1 with, we have pictures or diagrams of the remote
2 station. I just didn't know how that remote
3 station -- what it contains as far as an alarm,
4 a horn, what type of e-stop it has in it, and so
5 forth. I just don't see -- I just don't see
6 that in here, not that I even know that it's
7 mandated, but I know it's nice to look at it
8 because sometimes questions come up about that
9 remote station itself.

10 MR. MCDERMOTT: This is Steve with
11 Superior.

12 Those were part of the additional
13 items that will be added. There will be a
14 shutoff and alarm inside the remote station.
15 There is a diagram -- or a picture, aerial
16 picture, on page 2 that shows where the remote
17 station is.

18 CHAIRMAN MORELOCK: Any other
19 questions or comments from the Board?

20 MR. BAUGHMAN: Yes. Dave Baughman,
21 again. Regarding where the remote station is
22 at, it shows it on the site-plan and we show a
23 site-plan for the boiler room, but we don't
24 necessarily see the construction of the boiler
25 room to identify points of egress, size of the

1 boiler room, number of doors that have the
2 e-stops in particular, and with the remote
3 station, we see where it's identified on the
4 site-plan, but we don't know if that's inside of
5 a room. Is that room locked at any periods of
6 time, and so forth, accessibility into that the
7 room, and so forth? So it's just lacking a
8 little bit of information.

9 Concerning the boiler room and the
10 remote station installation itself.

11 CHAIRMAN MORELOCK: That's up for
12 comments.

13 MR. MCDERMOTT: This is Steve with
14 Superior. There's a door at the south side and
15 I guess the north side. I guess that's the best
16 way to explain it. And there's e-stops at each
17 exit and both doors are locked after hours and
18 both doors are opened during business hours.

19 CHAIRMAN MORELOCK: So are there any
20 other comments from the Board?

21 Yes, Dr. Hargrove?

22 DR. HARGROVE: I just want to make a
23 comment. I think it's our responsibility to
24 ensure that the quality of these variance
25 reports adhere to a format that allows the Board

1 Members to review the materials, and there are
2 an unlimited number of inconsistencies in terms
3 of the poor-managed structure of the report.

4 I'm sure you know, Neville
5 Engineering has done many of these reports in
6 the past, but I would argue that this particular
7 report should be redone and resubmitted.

8 That's just my own personal comment.

9 CHAIRMAN MORELOCK: Okay. Are there
10 any other comments from the Board?

11 MR. BOWERS: Yeah, this is Harold
12 Bowers, Board Member.

13 I agree with Dr. Hargrove. This
14 kind of thing is kind of just up in the air, and
15 we're not getting good communication from
16 Mr. Neville to explain a lot of this stuff.

17 So I think I agree with Dr. Hargrove
18 that this right here is kind of not put
19 together, I think, the way it needs to be put
20 together.

21 CHAIRMAN MORELOCK: Okay. So is
22 this a motion?

23 MR. BOWERS: Yes, I make a motion
24 that we let them come back for another board
25 meeting and redo this manual to make it a little

1 more presentable to the Board.

2 DR. HARGROVE: This is
3 Keith Hargrove. Second.

4 CHAIRMAN MORELOCK: So I've got a
5 motion in the second. Any other discussion?

6 I guess it would be if Mr. McDermott
7 or Mr. Neville could let us know that possibly
8 if they could get this manual corrected and back
9 into our hands prior to the June 24th meeting,
10 we could possibly add that to the June 24th
11 agenda. I'll let Ms. Bennett confirm that that
12 would not overload our June 24th agenda.

13 MS. BENNETT: Currently we only have
14 two items on next week's agenda, so we could add
15 it if you wanted to. But they would have to
16 probably send the information electronically
17 because I don't know that it would be time for
18 them to revise it and get it to us in order for
19 us to mail it to us guys. So...

20 CHAIRMAN MORELOCK: That's a fair
21 statement.

22 MS. BENNETT: Yes, because it's one
23 week from today.

24 CHAIRMAN MORELOCK: Yes. So,
25 Mr. McDermott, what are your thoughts?

1 MR. MCDERMOTT: I'll get with James
2 and go over the items. This is Steve again, I'm
3 sorry. I'm open for the 24th.

4 CHAIRMAN MORELOCK: Okay. I missed
5 a comment there. Repeat that time. Sorry.

6 MR. MCDERMOTT: Steve with Superior.
7 I'm open for the 24th. I can discuss everything
8 with James.

9 CHAIRMAN MORELOCK: Okay. It would
10 have to be mailed to the Board Members or sent
11 electronically like this week for the Board
12 Members to have an opportunity...

13 So I do have a question. If this
14 has not been installed, do you have a time frame
15 of installation of this equipment?

16 MR. MCDERMOTT: Steve from Superior.
17 No, I don't at this time. I will try to have
18 that before the next call, though.

19 CHAIRMAN MORELOCK: I guess what I'm
20 getting at is, you know, if we can't pull this
21 together to get it back into the hands of the
22 Board Members for the June 24th meeting, it
23 could be moved to the September meeting and that
24 would give you ample time to revise the manual,
25 send the hardcopies to the Boiler Unit, and they

1 could distribute copies to the Board Members?
2 If that would create a hardship for you to get
3 this up and running, it would have to be at the
4 September boiler meeting.

5 MR. MCDERMOTT: Steve with Superior.
6 You mean we have to have everything installed by
7 the September meeting?

8 CHAIRMAN MORELOCK: Well, no, it
9 doesn't have to be installed. But if you don't
10 think it's going to be installed by September,
11 you could revise that manual and put that on the
12 September agenda and that way you can print
13 fresh copies and send them to the Boiler Unit
14 and have a corrected manual sent to the Board
15 Members.

16 MR. MCDERMOTT: This is Steve from
17 Superior.

18 I would hope we could have
19 everything corrected by next week or by the end
20 of this week, really.

21 CHAIRMAN MORELOCK: Okay. Well, if
22 you are in agreement that you can get that to
23 the Board Members this week in an electronic
24 format, we can add it to the December --
25 January -- June 24th meeting. Sorry.

1 MS. BENNETT: And, Mr. Morelock, if
2 they can funnel that through the Boiler Unit, to
3 Sam or myself.

4 CHAIRMAN MORELOCK: They are to send
5 an electronic copy and you'll forward it to the
6 Board Members?

7 MS. BENNETT: Yes. We need to look
8 at them prior to sending them out and ensuring
9 that they get to everyone.

10 CHAIRMAN MORELOCK: That will be
11 simple for them as well.

12 MS. BENNETT: Right.

13 MR. BAILEY: Yeah, Dan Bailey. I
14 just want the transcript to be clear. The
15 motion is that to defer this item to a future
16 board meeting?

17 CHAIRMAN MORELOCK: Yeah, that's
18 what we agreed to do. We'll have the motion --
19 the second and a motion are to revise the
20 motion. But, yes, thank you for that point of
21 order.

22 So, Mr. Bowers, are you in agreement
23 since you made the motion?

24 MR. BOWERS: Yes, I still make the
25 motion to defer it, and then we can -- the

1 motion is to defer to -- not saying it's going
2 to be deferred to next week, but deferred to a
3 future meeting, and I guess if they have all the
4 material ready, then they can present it.

5 But during the motion, it's just to
6 defer it to a future meeting.

7 CHAIRMAN MORELOCK: Your motion is
8 to defer to a future meeting.

9 Dr. Hargrove, you're the second
10 vote. Are you in agreement with that?

11 DR. HARGROVE: I agree with that for
12 that deferment.

13 CHAIRMAN MORELOCK: So, Mr. Bailey,
14 if we just take that statement to defer it to a
15 future meeting and they are successful in
16 getting the information to the Boiler Unit this
17 week, then deferring it to June 24th would be
18 acceptable, correct?

19 MR. BAILEY: That's correct,
20 Mr. Chairman.

21 CHAIRMAN MORELOCK: Just for
22 clarification. Thank you. So I've got a motion
23 in the second. Are there any other discussions
24 before we vote?

25 Okay. So this will be a rollcall

1 vote. And so, Mr. Baughman?

2 MR. BAUGHMAN: Aye.

3 CHAIRMAN MORELOCK: Mr. Bowers?

4 MR. BOWERS: Aye.

5 CHAIRMAN MORELOCK: Mr. Fox?

6 MR. FOX: Aye.

7 CHAIRMAN MORELOCK: Mr. Henry?

8 MR. HENRY: Aye.

9 CHAIRMAN MORELOCK: Dr. Hargrove?

10 DR. HARGROVE: Aye.

11 CHAIRMAN MORELOCK: Okay. The
12 motion passes for deferment, and we will let
13 Mr. McDermott and Mr. Neville work on getting
14 that to the Boiler Unit. So thank you.

15 Our next item of new business is
16 20-04 Weston Foods, located in Lebanon,
17 Tennessee, requesting a new variance for two
18 high-pressure boilers to operate under the
19 requirements of Chapter 0800-0-3.

20 So, if you will, introduce
21 yourselves and present your item, and are there
22 any Board Member conflicts of interest with this
23 item? Okay. I'm hearing none.

24 MR. TOTH: Good morning, Board
25 Members. This is Marty Toth with ECS Consulting

1 & Boisco Training Group, and I'm representing
2 Weston Foods today. With me I have Mr. Dan
3 Markey. He is the maintenance manager, newly
4 appointed maintenance manager, at Weston Foods.

5 What we have today, as you
6 mentioned, Mr. Chairman, we have two
7 high-pressure boilers. They are flex tube
8 watertube boilers that are operated at 1105 Duke
9 Drive, in Lebanon, Tennessee. Both of these
10 boilers are pretty much system boilers that are
11 exactly alike. They both operate at a maximum
12 of 108 boiler horsepower.

13 As you will see on the site-plan on
14 page 13, the proximity of the boiler room to the
15 remote station which is the maintenance room is
16 virtually through one door within 50 feet,
17 however, the variance is necessary. I might
18 also add that this particular variance being put
19 in as a new variance, actually Maple Hurst
20 Bakeries was the previous name of this
21 establishment. Maple Hurst is under the family
22 of Weston Foods, but it's new name, it's also a
23 new location of the remote panel from the
24 previous manual.

25 So we took the position that we

1 wanted to apply as a new variance versus a
2 revised, for various reasons in manpower changes
3 and just the structure of the variance itself.

4 The remote station of the
5 maintenance room is manned by either a
6 maintenance technician or a maintenance team
7 leader at all times during the operation of the
8 variance. There is also a control panel, a
9 master panel there in the maintenance room that
10 also shows the operation of the boilers.

11 These boilers have the Honeywell
12 RM7800s, boiler controls, with Hawk Systems.
13 It's a very safe operation. They do not possess
14 a DA -- if you have a water from the storage
15 tank that has sarcitic in it for preheating the
16 water but it's not under pressure.

17 Again, this is operated 24 hours a
18 day, seven days a week on demand. At all times
19 there are multiple boiler attendants that are
20 also going to be qualified and as the remote
21 attendants. All training is contracted through
22 Boiler Room Training Group, and those processes
23 are in place or will be in place prior to
24 inspection.

25 At this current time the variance is

1 or the past variance is inactive, and they are
2 on the 20-minute rule, as we speak.

3 And I'm open for any questions that
4 you have for myself or Mr. Markey.

5 CHAIRMAN MORELOCK: Thank you,
6 Mr. Toth.

7 Do I have a motion to discuss?

8 MR. FOX: Terry Fox, Board Member. I
9 make a motion to discuss.

10 CHAIRMAN MORELOCK: Thank you,
11 Mr. Fox.

12 Do I have a second?

13 (Multiple responses.)

14 CHAIRMAN MORELOCK: Multiple
15 seconds. Thank you, Mr. Bowers.

16 What are your comments?

17 DR. HARGROVE: Keith Hargrove.
18 Mr. Toth, I always look forward to reviewing
19 your reports especially in terms of the quality
20 of the graphics, but I would like to -- and this
21 is just a comment -- I would like to request
22 Appendix E, the boiler layout diagram. If you
23 can provide a more detailed or readable diagram,
24 that would be -- that would be great. That's my
25 only comment.

1 MR. TOTH: This is Marty Toth. We
2 can absolutely do that, sir. We could do that.

3 Just to make the Board aware, these
4 are watertube boilers that do not have manways
5 for the access; therefore, they are not going to
6 have the requirements for the non-return valves,
7 but we will definitely go back in and revise
8 this as you've seen in the past. Thank you,
9 sir.

10 MR. CHAIRMAN MORELOCK: Thank you,
11 Mr. Toth.

12 Comments from the Board?

13 MR. BAUGHMAN: Dave Baughman, Board
14 Member.

15 Good morning, Mr. Toth and
16 Mr. Markey. Under the introduction letter of
17 November 14th, 2019, the letter states that
18 there's been some operation and management (as
19 said) changes as well as the name change;
20 therefore, the submission shall be treated as a
21 new issuance. For ease of going through, could
22 you identify what those operation and
23 maintenance (as said) changes are, so we don't
24 have to go through the manual and try to dig
25 them up as difficult as that may be.

1 MR. TOTH: Absolutely. This Marty
2 Toth.

3 I'll go ahead and speak to that
4 since Mr. Markey came in in the middle of
5 putting this together, this manual.

6 When we talk about the operational
7 changes, per se, includes to the variance
8 itself, mostly it was who was the monitor of the
9 variance and also where the location of the
10 e-stop was located.

11 Also, in looking through the
12 previous manual, we just noticed some
13 inconsistencies that we felt needed to be
14 addressed to not only answer whatever questions
15 the Board may have but was to simplify the
16 operations there at the plant itself, making
17 sure that individuals were better aware of their
18 responsibilities, and also that's in
19 communication of in regards to testing of the
20 unit and also answering any alarms that would
21 come up.

22 MR. BAUGHMAN: Very good. Thank
23 you, Mr. Toth. So the cover letter --

24 Let me just ask: Mr. Markey, are
25 you the -- your title is maintenance manager?

1 MR. MARKEY: Yes, this is Dan
2 Markey, with Weston Foods.

3 Yes, that is my position.

4 MR. BAUGHMAN: Very good. Are you
5 responsible for the training?

6 MR. MARKEY: I have contracted
7 through Marty's company to provide that
8 training.

9 MR. BAUGHMAN: The cover letter
10 states that Jay Coon was the facility manager.
11 Is Jay Coon still the facility manager there?

12 MR. MARKEY: Jay Coon is the
13 facility manager. He is my manager.

14 MR. BAUGHMAN: Very good. It states
15 that the facility manager is the responsible
16 party and so on page 1 it states the maintenance
17 manager. I just want to get clarification to
18 know if it goes through the maintenance manager
19 or the facility manager; which is it?

20 MR. TOTH: If I may answer that,
21 Mr. Baughman.

22 As you're aware, the ultimate
23 responsibility of any operation is going to fall
24 on whoever the top man is on the totem pole, if
25 you would. And in this case, it is Mr. Coon who

1 is the plant manager. The plant manager then
2 applies down through his authority to assign his
3 designee. That designee for the systems
4 operations manual is Mr. Markey, which is listed
5 on page 1, as you alluded to. Mr. Markey then
6 has the responsibility to then enforce the
7 requirements within the system of the
8 operational manual, also to assign in any
9 training responsibilities, and he also has the
10 authorization to assign a designee for any of
11 the responsibilities within the manual itself.
12 Ultimately, he's the one who has to answer the
13 questions to the systems operational manual and
14 the variance. Then answers to those up through
15 his chain of command, which would be to
16 Mr. Coon.

17 MR. BAUGHMAN: Thank you. Good
18 clarification, Mr. Toth.

19 The next question I have is in
20 regard to the local e-stop in the boiling room
21 itself. Does that local e-stop shutoff both
22 boilers?

23 MR. TOTH: Yes, it does. It
24 absolutely does.

25 MR. BAUGHMAN: Very good, thank you.

1 And the remote panel on page 3, so we got the
2 one e-stop on the remote panel and I'm taking it
3 it shuts off both boilers also then?

4 MR. TOTH: Yes. As you can see,
5 this remote panel is a pre-existing panel which
6 was in the previous locations. Since Mr. Markey
7 has come onboard when we had discussion options
8 in the future in regards to the panel, as the
9 board has seen in the past, a lot of the panels
10 that I propose to my clientele are a little bit
11 more informative as to the operations. I think
12 Mr. Markey who has come from previous locations
13 that have had variances or in the works for
14 variances, he understands the importance of
15 that. So we're looking in the future as to
16 maybe looking into replacing those.

17 But in regards to your question,
18 Mr. Baughman, you're correct. The main e-stop
19 that's in the middle of the panel, will shutoff
20 both boilers as well with the local e-stops. If
21 the remote attendant chooses, he or she may be
22 able to independently turnoff each boiler by the
23 switch beneath the actual boiler audible-visual
24 alarm. So there are two opportunities to that
25 that. And if you look in the process of the

1 alarm sequence that you will find in Section 3
2 and Section 4, it allows for that remote
3 attendant to do either function. It's they know
4 that it's an individual boiler, they can shut it
5 off or if they choose to, they can shutoff both
6 boilers.

7 MR. BAUGHMAN: Thank you. One other
8 question that just pertains to the maintenance
9 room in the diagram where the e-stop -- I'm
10 trying to --

11 MR. TOTH: This is Marty Toth. Page
12 21, sir?

13 MR. BAUGHMAN: Thank you, though.
14 Actually I was looking at not page 21 so much as
15 I was where the other diagram that was shown
16 where the maintenance room is on the other side
17 of the boiler room, which is what I was looking
18 for.

19 MR. FOX: This is Terry Fox. Page
20 13.

21 MR. BAUGHMAN: Page 13. Thank you,
22 Terry. My pages were kind of stuck together.

23 On this maintenance room, I believe
24 my question is: Is there ever a time when the
25 doors to that maintenance room -- and I know it

1 looks like there's stairs located -- is there
2 any time that that maintenance room itself is
3 locked?

4 MR. TOTH: Let me ask you this
5 question. You say that you see stairs. The
6 maintenance room where the e-stop is located and
7 the boiler room are on the same level. You have
8 the pedestrian door that leads directly from the
9 boiler room to the maintenance room, and I will
10 let -- I will ask Mr. Markey to answer any
11 questions concerning access to the maintenance
12 room from other locations.

13 Now, let me ask you this question
14 before I hand it over to Mr. Markey. Are you
15 referring to the access as in from outside or
16 from the boiler room to the maintenance room
17 because that's a push-door easy access?

18 MR. BAUGHMAN: No. I'm relating to
19 the outside of the maintenance room itself, not
20 including the boiler room.

21 MR. MARKEY: This is Dan Markey with
22 Weston Foods.

23 So we have two main entrances into
24 the maintenance department: One is from a
25 hallway and that is not locked; and then there's

1 another entrance into the maintenance area for
2 reduction and that room is not locked.

3 MR. BAUGHMAN: Very good. So
4 neither are locked at any time, correct?

5 MR. MARKEY: Neither are locked at
6 any time.

7 MR. BAUGHMAN: And I don't want to
8 assume but to follow-up on the door, then, from
9 the maintenance room to the boiling room, is
10 that door ever locked?

11 MR. MARKEY: Yes.

12 MR. BAUGHMAN: Any other doors that
13 give access -- I noticed that there's a
14 double-door from outside leading into the boiler
15 room; is that door ever locked?

16 MR. MARKEY: Yes, that door is
17 locked.

18 CHAIRMAN MORELOCK: So if we have an
19 incident in the boiler room itself, we have the
20 remote panel which has an e-stop but we have an
21 e-stop inside the boiler room and where that
22 egress door is, and I noticed there's another
23 door with an e-stop that goes to -- I don't know
24 what location -- and is that door also locked?

25 MR. MARKEY: So are you referring to

1 the boiler room, sir?

2 MR. BAUGHMAN: Yes, sir.

3 MR. MARKEY: There is a double-door
4 that egresses out of the boiler room into a
5 production area; that door is always locked.

6 MR. TOTH: If I may add, that door
7 per their life plan, that door is not an exit.
8 It's marked as not an exit. That door is
9 primarily used for maintenance purposes to
10 moving equipment in and out and so on and so
11 forth. It is clearly marked as not an exit,
12 whereas the pedestrian exits are marked as
13 exits.

14 MR. MARKEY: So where is the second
15 one?

16 MR. BAUGHMAN: Top, right-hand
17 corner of the drawing shows the e-stop which
18 looks like a door also.

19 MR. TOTH: That goes outside of the
20 building. That is an outside exit.

21 MR. BAUGHMAN: So all these doors
22 can be locked which raises some concern made
23 from a safety standpoint. Thereagain, I'm not
24 an operations manager or/and privy to why we
25 would have especially the door locked between

1 the maintenance room and the boiler room, but it
2 just raises some concern for me. It doesn't
3 change the variance by any means, but it
4 definitely gives me some concern if anybody is
5 incapacity in that room with doors locked and
6 not being able to communicate.

7 MR. TOTH: Mr. Baughman, if I may
8 add to that and then Mr. Markey can back this
9 up, that the main purpose is definitely security
10 going from outside into the boiler room and from
11 the maintenance room into the boiler room.
12 There is foot traffic that does exist from the
13 hallway through the maintenance room into
14 production from time to time. That door only
15 locks from the outside. If somebody were inside
16 that room looking for an exit, it's a clear
17 exit. I do understand your concerns absolutely.
18 The concerns of the operation which is more for
19 the security of the boiler room was taken into
20 account with an understanding of, you know,
21 anything can happen, if you would. But they're
22 taking into account in making sure the boiler
23 rooms are staying secure within the equipment of
24 that boiler room.

25 MR. MARKEY: This is Dan Markey with

1 Perdue Farms.

2 So there are two doors: One's going
3 directly outside of the facility and one that
4 leads into the main shop that are -- one's an
5 egress. So if there was any issue within that
6 area, they were to take the, as marked, the
7 boiler room exit.

8 As Marty said, we have the guard,
9 you know, so we do have production people and
10 sanitation people who are walking, though. We
11 do not want them to walk into the boiler room.

12 MR. BAUGHMAN: Thank you, Mr. Markey.
13 Thank you, Mr. Toth.

14 Any other questions or comments
15 about this proposed variance? I just have a --
16 it's kind of nit-picky comment. It's not that
17 we have any technical process, but in Appendix
18 G, there's acronyms that are in there that
19 aren't defined, at least once. Like I said,
20 just a small issue, but for someone reading your
21 manual that doesn't -- is not familiar with your
22 day-in and day-out operation, just, if you
23 could, spell out what those acronyms are one
24 time, that would be much appreciated.

25 MR. TOTH: Could you -- sorry. This

1 is Marty.

2 Mr. Chairman, can you kind of let me
3 know which acronyms you're referring to, sir?

4 CHAIRMAN MORELOCK: Yes. If you'll
5 look on page 25, 24; and on page 24, the bottom
6 bullet, I don't know what an MRR is. On page
7 25, I've got a vague idea of what GMP is because
8 we've got CGMP -- if you could spell that out.
9 And then the knowledge of the WCM strategies...

10 MR. TOTH: Okay. So pretty much,
11 Mr. Chairman, any, as we would like to call
12 them --

13 CHAIRMAN MORELOCK: The acronyms.

14 MR. TOTH: -- the TLA, the
15 three-letter acronyms, let's go ahead and spell
16 those at least one time. Is that what you're
17 requesting?

18 CHAIRMAN MORELOCK: Some of them
19 aren't. If you go down in the same paragraph,
20 you've got computer-based work order system,
21 WMS. Perfect.

22 MR. TOTH: Absolutely, we can take
23 care of that, sir.

24 CHAIRMAN MORELOCK: All right.
25 Thank you. Any other comments or questions?

1 Hearing none.

2 Do I have a motion for this proposed
3 variance?

4 MR. FOX: This is Terry Fox, Board
5 Member. I make a motion to accept.

6 CHAIRMAN MORELOCK: All right.
7 Thank you, Mr. Fox.

8 MR. BAUGHMAN: Dave Baughman,
9 second.

10 CHAIRMAN MORELOCK: Thank you,
11 Mr. Baughman, for that second. And, now,
12 Gentlemen, just for clarity, an approval motion
13 here is always contingent on a successful
14 site-visit by the Boiler Unit and revising your
15 manual to address the comments that were
16 presented to you during this meeting. So that
17 is the motion. Let me do --

18 Any last comments before I call for
19 the vote? Okay. Hearing none.

20 Mr. Baughman?

21 MR. BAUGHMAN: Aye.

22 CHAIRMAN MORELOCK: Mr. Bowers?

23 MR. BOWERS: Aye.

24 CHAIRMAN MORELOCK: Mr. Fox?

25 MR. FOX: Aye.

1 CHAIRMAN MORELOCK: Mr. Henry?

2 MR. HENRY: Aye.

3 CHAIRMAN MORELOCK: Dr. Hargrove?

4 DR. HARGROVE: Aye.

5 CHAIRMAN MORELOCK: Thank you,
6 Gentlemen. You have a contingently approved
7 variance, again, based upon a successful visit
8 of the Boiler Unit and revising your manual and
9 based on the comments provided to you at this
10 meeting. Thank you.

11 MR. TOTH: Thank you.

12 MR. MARKEY: Thank you.

13 MR. CHAIRMAN MORELOCK: All right.
14 Now, we've been going now for 80 minutes, close
15 to 80 minutes. So I'll tell you what, let's
16 take a short break for everybody, and we'll
17 reconvene at 10:30 and continue on with our
18 agenda. Thank you.

19 (Brief break was observed off the
20 record.)

21 MR. CHAIRMAN MORELOCK: Okay. Thank
22 you all. I hope this was a nice break.
23 Sometimes we get long-winded. Thank you for
24 keeping me honest and giving me a break, too.

25 So getting back to our agenda on new

1 business, our next item is 20-05 Perdue Farms,
2 located in Monterey, Tennessee; requesting a
3 variance for high-power, high-pressure boilers;
4 and while these gentlemen are preparing to
5 present their item, are there any conflicts of
6 interest with the Board Members? Okay. I'm
7 hearing none.

8 So, Mr. Toth, you all can present
9 your variance manual.

10 MR. TOTH: Thank you, Mr. Chairman,
11 Members of the Board. Again this is Marty Toth
12 with ECS Consulting & Boisco Training Group.
13 I'm honored to represent Perdue Farms in their
14 request for a variance to the Board.

15 Just to give a little bit of
16 background information and if, I may, before we
17 start, just to do a little bit of housecleaning.
18 There were, when meeting with Perdue earlier
19 this week, we noticed a couple of editorials
20 that I would like to point out to the members
21 before I get started. It is on page 1, under
22 Section 1 in the second paragraph, the phone
23 number needs to be revised to (931) 839-5073.
24 And then if we turn to page 4, there's been a
25 change to the communication procedure during the

1 emergency procedures: Instead of contacting via
2 the mobile phone under Number 3 on the placard
3 and also under Section 5 on page 11, we are
4 going to utilize the plant-wide PA system.
5 Everything else will remain the same.

6 Initial communication will be by the
7 two-way radio system. Secondary communication
8 will be by the plant-wide PA system. Third
9 would be directly to the refrigeration manual.

10 So moving forward, that's it.
11 That's all the editorials that I have.

12 So moving forward, Perdue Farms is
13 located at 2300 Industrial Drive, in Monterey,
14 Tennessee. We operate four-high pressure
15 boilers three of which are firetube boilers.
16 The fourth is a watertube design. The three
17 firetube boilers are Cleaver-Brooks. One's 150
18 horsepower, a 200 horsepower, and a 300
19 horsepower. The watertube boiler is the
20 Madeira. The watertube boiler that operates at
21 300 horsepower. All four boilers have a primary
22 fuel source of natural gas only.

23 We also have two operating
24 deaerators. DA Number 1 is inoperative as a
25 deaerator. DA Number 2 supplies boilers 1

1 through 3. DA Number 3 supplies the Madeira
2 which is Boiler Number 4.

3 The remote station at Perdue Farms
4 is located at the west guard shack, which is
5 monitored 24 hours a day, seven days a week.
6 The proximity, as you can see from the site-plan
7 that is located on page 12, the proximity from
8 the west guard shack to Boilers 1 through 3 is
9 approximately 900 feet, directly down through
10 the drive around the back of the building.
11 Boiler Number 4 is approximately 150 feet from
12 the west guard shack.

13 The operations that we have consists
14 of the responsibilities of boilers: The boiler
15 operation under the refrigeration department
16 which is, in turn, under the maintenance
17 department. As mentioned before, Mr. Del is
18 currently the refrigeration manager. He reports
19 directly to the maintenance manager. The
20 refrigeration technicians that serve as the
21 qualified boiler attendants report to Mr. Del.

22 I open up for any questions that you
23 may have of us. We would be happy to answer
24 those at this time.

25 CHAIRMAN MORELOCK: Do I have a

1 motion to discuss this variance manual?

2 DR. HARGROVE: Keith Hargrove. I
3 make a motion to discuss.

4 CHAIRMAN MORELOCK: Thank you,
5 Mr. Hargrove.

6 Do I have a second?

7 MR. FOX: Second.

8 CHAIRMAN MORELOCK: Thank you,
9 Mr. Fox.

10 What questions do you have
11 pertaining to this, the request for a variance?

12 MR. BAUGHMAN: This is Dave
13 Baughman, Board Member.

14 Who have you got in attendance with
15 you today from Perdue Farms?

16 MR. TOTH: Yes. I have
17 Mr. Del Robinson who is the refrigeration
18 manager, and we also have Mr. Darrell Jackson,
19 refrigeration technician, and they're the local
20 boiler gurus.

21 MR. BAUGHMAN: Thank you.

22 MR. TOTH: Oh, yes, and I apologize.
23 We also have Mr. Drew Garrett, yes, in-house.
24 Mr. Garrett is currently a maintenance
25 supervisor with the company with the plans of

1 moving over to the refrigeration department in
2 the near future.

3 MR. BAUGHMAN: Very good. Is
4 Mr. Beckman still the plant manager?

5 MR. TOTH: Yes, he is.

6 MR. BAUGHMAN: Thank you.

7 MR. TOTH: If I may add, just in
8 case it is asked, the responsibility of training
9 of all boiler attendants and remote attendants
10 is the responsibility of the refrigeration
11 manager. Perdue Farms is contracted with
12 Boisco Training Group to provide all training
13 for their remote attendants and also additional
14 training for the boiler attendants.

15 I'm happy to announce that Perdue
16 Farms takes their boiler operation very
17 seriously. They have sent their individuals to
18 various boiler classes in the past.

19 The boiler class that they will get
20 through BTG will be customized to their plant
21 itself; so that will be above and beyond what
22 they've already received.

23 MR. BAUGHMAN: Very good. Dave
24 Baughman, Board Member.

25 This question is for any of the

1 operations' folks. The Clever Brooks' boilers,
2 the three CB boilers, do they all operate at the
3 same time?

4 MR. JACKSON: Darrell Jackson with
5 Perdue Farms.

6 Yes. At times they do, yes.

7 MR. BAUGHMAN: Very good. Well, my
8 question leads in particular to the DA. One of
9 them's doormat, but DA Number 2, on page 15,
10 supplies these three boilers, and if all three
11 boilers run their capacity, total capacity at
12 650 horsepower, which is 22,425 pounds per
13 hour -- the DA only has a capacity of 15,000
14 pounds per hour and the DA maximum horsepower
15 would be 435 according to the CB's data
16 published on the SMT 15260-2E DA. But we have a
17 total horsepower that's 650 being undersized by
18 33.

19 So my question is: Is there any
20 issues that are related to the DA with these
21 three boilers, in other words, not keeping up
22 with enough hot water, loads, so forth? And in
23 particular, the question gets to somewhat back
24 to the simplified drawing of the piping for both
25 the boilers and the feedwaters, and I know it's

1 simplified piping. But it shows one pump coming
2 out of the DA for the three boilers and in
3 particular, just for this DA Number 2 -- and
4 again, I understand it's simplified, but I just
5 wanted to kind of clarify, in my own mind from
6 an operational standpoint, are we using one
7 boiler or two modulated feedwater or three? Are
8 we using one pump for three boilers out of that
9 DA, and had we had any issues associated with
10 the operations?

11 MR. TOTH: Mr. Baughman, if I may
12 jump in and, just to be aware, DA Tank Number 1,
13 though is not a functioning DA, it is used as a
14 water storage tank. Does that make sense? It
15 feeds the water, and I'll let Mr. Jackson allude
16 to that.

17 As for the pumps, as you've seen in
18 various manuals that I've created and submitted,
19 the pump itself is a representative of that it
20 has a pump; not the quantity of pumps that we
21 have at the location. If the Board chooses to
22 have a list of all of the pumps, that definitely
23 can be done. But we need to have some
24 guidelines to that.

25 So I'll let Mr. Jackson actually

1 communicate the purposes of the feedwater tank
2 versus the deaerator that is in operation.

3 Thank you.

4 MR. JACKSON: Darrell Jackson from
5 Perdue Farms.

6 The feedwater tanks for Boiler 1 and
7 Boiler 2, are 150 horse from the 200 horse,
8 okay. That DA tank is -- we turned it into a
9 hot water tank now that feeds the water between
10 the boilers. The boilers are offline at this
11 moment because of the amount of steam we don't
12 need in our plant no more. They're just sitting
13 doormat, open, and, you know, stuff, draining.
14 But there is times that we have to restart them
15 and run them. So then we use that tank with hot
16 water to feed the boilers.

17 MR. TOTH: So to kind of allude on
18 that, Mr. Baughman, if I may, is: They have, in
19 essence, backup boilers. They utilize Boiler
20 Number 1 and Boiler Number 2 as backup boilers
21 for when they have to bring down Boiler Number 3
22 and or Boiler Number 4. Does that make sense,
23 sir?

24 MR. BAUGHMAN: It does.

25 MR. TOTH: I'm sorry. If I may

1 finish.

2 So when Mr. Jackson says, yes, they
3 run all at the same time, they could -- in
4 reality, I don't want to speak for him -- in
5 reality it was they can but they run independent
6 of each other based on demand, inspections.

7 MR. BAUGHMAN: Demand at this
8 particular time which may change down the road
9 and with production requirements and so forth,
10 but that gives me somewhat of a clarification.
11 On looking at the capacity requirements, they
12 weren't quite adding up. And not that we're
13 attention to detail on this Board by any
14 stretch, but we're attention to detail on this
15 Board. So that was one of the items that I
16 wanted to look at and address.

17 And I'll start back up on the top of
18 my notes and thank you for letting me take the
19 time to address these with you individually.

20 On page 3, under section -- let's
21 see. well, I just wrote down page 3, but it has
22 to do with the testing of the controls; in other
23 words, when we want to test the limits, which we
24 talked about in previous meetings, but in
25 particular one thing that stood out to me was an

1 alarm -- oh, this is not an e-stop. The alarm
2 silence button. I'm sorry.

3 So it is on page 3 for the alarm
4 panel. By hitting that alarm silence button,
5 does that silence the alarm but it does not trip
6 anything else; in other words, can we silence
7 the alarm without shutting the boiler off?

8 MR. TOTH: Let me repeat that. Can
9 we silence the alarm without shutting the boiler
10 off?

11 MR. BAUGHMAN: Correct.

12 MR. TOTH: The answer to that
13 question is, yes, and it's not uncommon. The
14 reason for the alarm silence -- and again, this
15 is not unprecedented -- the reason for the alarm
16 silence is to allow for communication between
17 the remote station and the boiler attendant
18 without the alarm in the background. It's hard
19 enough to hear. Again, this is not something
20 uncommon. The proper procedures and training
21 specifically stipulate and will stipulate the
22 course of action of what the remote attendant is
23 responsible for.

24 As we see under page 4 and also page
25 11 that highlight the activities of the remote

1 attendants, their first and number one
2 responsibility when they get an alarm, they
3 don't deceive what that alarm is. They hear
4 the alarm. They hit the appropriate e-stop. If
5 the alarm's still sounding, they have the
6 opportunity to hit that silence button and make
7 that communication back to the boiler attendant.

8 MR. BAUGHMAN: Very good and I
9 appreciate that clarification, Mr. Toth. One of
10 the issues that we've seen in the industry is
11 getting nuisance alarms, and in some
12 installations, they understand there's a
13 nuisance -- there's a water bounce, there's
14 whatever, and they'll just go and hit the alarm
15 silenced and carry on. So that's why I wanted
16 clarification for possible future discussion,
17 but I appreciate that clarification on here.

18 The remote annunciation is mentioned
19 on page 2, Part B: The controller shall be
20 equipped with a remote annunciation system that
21 will automatically signal the remote station,
22 but I see no description of that in the
23 hardware.

24 What type of annunciation system are
25 we utilizing?

1 MR. TOTH: That's a very -- that is
2 a very good question. Again, this is Marty
3 Toth. That's a very good question because in
4 the industry, we understand annunciators. We
5 understand the terminology of pieces of
6 equipment that are annunciators that actually
7 specifically highlight what the alarm was versus
8 just saying we have a standard signal alarm.

9 In variance manuals, they're
10 mentioned as this annunciating, which we are
11 going to announce an alarm to the remote
12 station.

13 It's not specifically talking about
14 an annunciator, per se. That's in quite a few
15 of the manuals that you'll read that comes from
16 ECS.

17 If we do have a separate annunciator
18 that's attached to the Burner Management System,
19 it would be highlighted. I'm glad you did bring
20 that up because one point of interest that I
21 failed to list that I know the Board likes to
22 see above and beyond, the Burner Management
23 System, is any additional low water controls
24 that are in place. I'm happy to announce that
25 Boilers 1, 2, and 3 all have a level-master

1 system in place. My plan is to add those into
2 our equipment of this manual just so it gives an
3 even clear detail of additional safety features
4 that are on these boilers above and beyond
5 what's required for the Burner Management
6 System.

7 But other than that, the
8 annunciation is a termination of just the
9 communication, the hardwire between the boiler
10 alarm and the remote station.

11 And I hope that answers your
12 questions.

13 MR. BAUGHMAN: Yes. It's always
14 good to have as much hardware information as
15 possible to analyze this. We somewhat take it
16 for granted if it's a Honeywell Programmer, it's
17 going to be a S 7800 annunciation, keyboard with
18 a pause button and so forth but that's not
19 always the case, and we've seen that with some
20 previous manuals that had some annunciators that
21 were quite interesting. And part of the other
22 thing that we look at is the communications
23 capabilities from a security standpoint, which
24 we've discussed many times. Even though things
25 are password protected, I think Sony and some

1 others could elaborate some on their password
2 protections on these systems.

3 MR. TOTH: All of these boiler -- if
4 I may add, Mr. Baughman -- all of these boilers
5 are going to be a stand-alone system. They
6 don't -- they are not on any network connection.
7 I did -- again, I apologize. That was my
8 oversight on the level-masters. I found my
9 error on my site-visit on Monday and then looked
10 over the manual and realized that I needed to
11 add that in there and I will.

12 MR. BAUGHMAN: Very good. I'm
13 interested on page 14 for Boiler Number 4, the
14 Mera. I take it it has the same -- it's an
15 RN7895 programmer, which is now obsolete, but I
16 take it it has the same annunciation.

17 But I'm interested to know why
18 there's plastic over the top of the boiler?

19 MR. TOTH: Steve, you know what --
20 and that's funny that you mention that --
21 Mr. Baughman, we added those pretty photos and
22 it raised all kinds of good questions.

23 At the time of that meeting, there
24 was a pipe leak above, and the maintenance
25 department was trying to protect and make sure

1 that there were no controls that had any water
2 or that can be introduced to any water that's
3 leaking from that pipe. That's reason for that.

4 MR. BAUGHMAN: Very good. Just
5 curious and I appreciate that explanation.

6 Are all four of these boilers
7 connected to the same steam manifold?

8 MR. JACKSON: Yes.

9 MR. BAUGHMAN: So does the local
10 e-stop for the three boilers kill all three
11 boilers? I know you're just operating one at a
12 time, but in the setup do you kill all three?

13 MR. JACKSON: Yes.

14 MR. BAUGHMAN: Very good.

15 MR. TOTH: And that was Mr. Jackson,
16 by the way, who answered that.

17 MR. BAUGHMAN: So what type of low
18 water cutoffs are on the Mera? We mentioned
19 that there's level-masters on the CBs. What
20 control mechanism is on the Meras?

21 MR. TOTH: It's the ProSystem that
22 comes with the major boiler pros.

23 MR. BAUGHMAN: Very good.

24 MR. TOTH: For maintenance and
25 auxiliary.

1 MR. BAUGHMAN: I have one question
2 for now and thank you for letting me go over my
3 notes. On page 27, under the security guard,
4 who is the person identified as manning the
5 guard station 24/7, under his job duties it
6 lists quite a few of his duties, but some of
7 those seem to be on the take-away or have the
8 capacity of taking away from the station itself;
9 in other words, he has to make property rounds
10 and so forth.

11 So are there multiple guards that if
12 this security guard leaves his station, there's
13 more than one guard at that station?

14 MR. TOTH: This is Marty.

15 Yes, there are, sir.

16 MR. BAUGHMAN: Very good. Thank
17 you.

18 DR. HARGROVE: Mr. Chairman, as I
19 may have a follow-up to Mr. Baughman's question.

20 CHAIRMAN MORELOCK: Yes.

21 DR. HARGROVE: One, do you know the
22 quantity of those security guards on station?
23 And then, secondly, for clarification and maybe
24 for my own basic knowledge, what distinguished
25 the training for the security guard as a remote

1 attendant versus a boiler attendant?

2 MR. TOTH: That's a very good
3 question, Dr. Hargrove. As for the security
4 guards, there are multiple -- multiple guard
5 shacks. We have the e-stop guard shack which
6 is, in essence, the main guard shack. The west
7 guard shack is your shipping-and-receiving guard
8 shack, and then we have a roaming security
9 guard. So, if, at anytime any of those guard
10 shacks have to be exited for any extended period
11 of time, they will get a replacement from the
12 rover who would replace that guard shack; does
13 that satisfy your question, sir?

14 DR. HARGROVE: So I heard the
15 quantity is three?

16 MR. TOTH: Three, yes, sir. Yes,
17 sir. And, if you would, your second part of
18 your question was?

19 DR. HARGROVE: Yeah, that's just for
20 clarification on my own basic knowledge.

21 What distinguishes the level of
22 training for the security guard who is
23 classified as a remote attendant versus a boiler
24 attendant?

25 MR. TOTH: The training for the

1 boiler attendant is definitely more robust.
2 You're looking at more operational testing,
3 information that is provided to them, more
4 internal information concerning the boiler, the
5 equipment, so if we can visualize that
6 individual as a boiler expert, if you would, or
7 someone who is working towards the title as
8 being a boiler expert, that would be the boiler
9 attendant.

10 The remote attendant who is an
11 individual that is trained in the
12 responsibilities of the remote attendant during
13 the emergency and testing of the systems
14 operations manual, in other words, the variance
15 itself. They are given a brief understanding in
16 of what boilers and the equipment itself.

17 So as an educator, it's always good
18 to teach above and beyond what those duties are
19 going to be, so that if they're responsible for
20 hitting an e-stop, they understand what that
21 e-stop is connected to. They are not -- unless
22 they're trained as a boiler attendant, they are
23 not going to have that additional information
24 for operations.

25 DR. HARGROVE: Okay. Thank you,

1 sir.

2 CHAIRMAN MORELOCK: Are there any
3 other questions?

4 MR. BOWERS: Yes. Harold Bowers,
5 Board Member.

6 On the brief understanding, Marty,
7 where you talked about brief understanding of
8 the boiler operations, does that include maybe
9 training in turning the boiler on or off or to
10 what extent is that brief understanding of the
11 remote operator?

12 MR. TOTH: Just to give you an
13 example, a remote attendant training -- again,
14 turning on and off of the boilers is an
15 operations standpoint.

16 We're talking about a brief
17 understanding of the equipment itself. It's an
18 introduction to the equipment. The type of
19 equipment it is, is it a firetube boiler, a
20 watertube boiler, what the size of it is, what
21 steam is represented, things of that nature.
22 It's really the first part of their training is
23 a basic introductions to a piece of equipment
24 that that e-stop is connected to.

25 So instead of just pointing to the

1 e-stop and saying, when you hear this buzzard go
2 off, you hit this button...

3 We go into greater detail without
4 getting that person -- because it may not be
5 somebody that serves that role that has the
6 mechanical knowledge as of Mr. Jackson is. And
7 so we don't want to overwhelm them but we always
8 want to reintroduce them to what's being
9 operated.

10 So to answer your question, it has
11 nothing to do with turning on and off the boiler
12 at the boiler itself. It has nothing to do with
13 low-water checks or bottom-blow downs or testing
14 of the safety and control devices.

15 All it is is an introduction to the
16 boilers and the responsibilities that go about
17 in regards to hitting the e-stop, resetting the
18 e-stop, and communications.

19 We also go through an understanding
20 of you gentlemen in what your responsibility is
21 as a board, that is something that is serious,
22 that safety is at the forefront of what we're
23 trying to do, and that's how we educate.

24 MR. BOWERS: So he understands --
25 this is Harold Bowers again -- he understands if

1 a situation doesn't look right, cages don't look
2 right, water class doesn't look right, he needs
3 to shut the boiler down, correct?

4 MR. TOTH: Well, this is Marty.

5 Mr. Bowers, we're talking about
6 remote attendants. We're talking about somebody
7 sitting in the guard shack. We've talking about
8 visiting of the boiler room is the
9 responsibility of the boiler room attendant,
10 i.e., the refrigeration technician that's
11 on-site 24/7 as those boilers are operated.
12 That's their responsibility.

13 MR. BOWERS: One further question on
14 page 12, we look at the emergency e-stops. I
15 noticed that near Boiler 4 there is an e-stop
16 and I noticed near Boiler 1, 2, and 3 there's a
17 door to the e-stop and a remote e-stop. Am I to
18 assume that the e-stop near Boiler 4 only shuts
19 down 4, and the e-stops near Boiler 1, 2, and 3
20 only shutdown 1, 2, and 3; is that correct?

21 MR. TOTH: That is correct.

22 They're, as you can see from the distance of
23 that, the e-stops that we have are coming into
24 the boiler refrigeration area, we have an
25 e-stop, and on the rear of the building, we have

1 e-stops.

2 MR. BOWERS: Okay. Very good.

3 MR. TOTH: For Boilers 1 through 3
4 and one boiler room. Again, from this diagram,
5 it looks like it's complete open space but it's
6 actually not. As you can see when we go to the
7 piping, there's actually a smaller boiler room
8 for that.

9 MR. BOWERS: Now, I think a question
10 by Dr. Hargrove is: All four boilers are hooked
11 to a common header; is that correct?

12 MR. TOTH: Yes.

13 MR. BOWERS: So you can actually
14 shutdown four in an emergency situation, the
15 headers still could be high-pressure headers
16 from 1 or 2 or 3?

17 MR. TOTH: Absolutely.

18 MR. BOWERS: No more further
19 questions from me.

20 CHAIRMAN MORELOCK: Thank you,
21 Mr. Bowers.

22 Any other questions from the Board
23 for this proposed variance?

24 MR. BAUGHMAN: Dave Baughman, Board
25 Member. Good to see you again. I've got a

1 couple other small notes to go over. I take it
2 the CBs have manways but the Mera does not. So
3 the CBs -- I don't know if everything has
4 non-returns or there's not a non-return on the
5 Mera which wouldn't be mandated since there's no
6 manway? This is for my own education if there
7 was non-returns on it or not.

8 MR. TOTH: Yes, there are
9 non-returns on Boilers one through 3 at the
10 moment. We did not have any on the Madeira
11 boiler.

12 MR. BAUGHMAN: Okay. So the other
13 notes I've got on page 6, Number 3, under normal
14 duties on A, I know we just talked about it
15 briefly at the very beginning on communications
16 and there would be a change, but I didn't know
17 if those communications between the boiler
18 attendants, remote attendants, are over two-way
19 radio, mobile phone, or by the PA system?

20 MR. TOTH: That's a very good
21 question. The communications between -- the
22 number one line of communication is going to be
23 through a two-way radio. If, for some reason,
24 there is the ability for a boiler attendant to
25 call the security guard shack for any type of

1 test -- again, these are just -- we're going to
2 do the communication test, we're going to send
3 an alarm. Did you receive the alarm? Yes.
4 Verify that the alarm has been received. That's
5 going to be over the radio.

6 But if there's for some reason they
7 choose to call, they can do so as well.

8 MR. BAUGHMAN: So that would not be
9 over the PA --

10 MR. TOTH: No.

11 MR. BAUGHMAN: -- it will be just as
12 stated?

13 MR. TOTH: No.

14 MR. BAUGHMAN: Okay. Very good.
15 The next item I've got is just below that on B,
16 and it's the second sentence of that B
17 statement. It says, The test there would be
18 a -- the boiler attendant will initiate an alarm
19 on the boiler. The test may be performed by
20 either a test of the boiler limits or a manual
21 test of the remote alarm switch without shutting
22 the boiler off. The RN 7800 programmers don't
23 have that switch capacity. So I was interested
24 to know where that's located and how that's
25 wired in and to make sure that that's not the

1 protocol for always checking the alarm system
2 that we want to check a limit, if at all
3 possible, by not using the remote as the
4 standard?

5 MR. TOTH: Well, that's a good
6 question in when you say, it doesn't have a
7 switch. Are you referring to it doesn't have
8 the ability to press the e-stop to send an
9 alarm?

10 MR. BAUGHMAN: The e-stop would shut
11 the boiler off.

12 MR. TOTH: No. I'm sorry. Let me
13 say it again and I misspoke.

14 Are you saying that by pressuring
15 the reset button, it wouldn't send an alarm? On
16 the 7800 series, if you press the reset bottom
17 for three seconds, it will cycle the boiler down
18 and send an alarm.

19 MR. BAUGHMAN: Well, and if that's
20 the case, then you misspoke because it says,
21 "without shutting the boiler off." So that's
22 just why I was wanting clarification.

23 MR. TOTH: So when we talk about not
24 shutting the boiler off, the intent of that
25 statement is not tripping the boiler. What

1 we're doing is cycling down the boiler.

2 Okay. Now, let's recognize the
3 difference between cycling down the boiler and
4 tripping the emergency trip or a limit trip of
5 the boiler versus pressing the reset bottom
6 which causes the boiler to cycle down, okay, and
7 then as soon as you release that reset bottom
8 that boiler cycles back up without the need to
9 reset any emergency stops.

10 I could see where you'd find this
11 confusing. It's not an unprecedented comment.
12 Every variance obviously stands on its own. If
13 that's a confusing statement, then I probably
14 need to change that hence forward because I use
15 that same type of verbiage in testing the
16 systems throughout all of my variances.

17 MR. BAUGHMAN: And I've noticed that
18 and it's something I wanted to address because
19 we do have --

20 MR. TOTH: And now is a good time as
21 any if you feel that that is a confusing
22 statement. I will be more than happy to revisit
23 that moving forward. And also on this manual,
24 to stipulate that it doesn't trip the boiler, it
25 just cycles the boiler down until that is

1 released. And again, I want to be perfectly
2 clear that there are some situations with some
3 clients that have the same type of system; yet
4 they choose not to want to open up the control
5 panel. So we, in essence, we put alarm switches
6 on the side of the panel where the individual --
7 they just press the button. It then goes
8 through the alarm circuit without actually
9 bringing the boiler down. So it sends an
10 audible signal through to the remote station.

11 So that statement that I'm not
12 putting in there is very broad-stroked and then
13 specific to the individual application.

14 MR. BAUGHMAN: Sure, and I
15 appreciate that reply, and again, it's more
16 information for moving forward because if the
17 standard protocol is just to test the alarm
18 without ever testing the limit on the boiler,
19 then that's not a good scenario.

20 Terry, can elaborate any further on
21 how that programmer does when you just push in
22 the reset?

23 MR. FOX: Terry Fox, Board Member.
24 Like Marty said, if you push the reset button on
25 a 7800 control, it will cycle the boiler and it

1 will cycle it down and bring it directly back
2 online. You really -- I guess it's just my
3 opinion -- you're just checking your alarm
4 system, you know, your remote alarm system
5 anyways, but we're not checking -- I mean, just
6 my preference -- I like to see something trip
7 such a low water control or something like that
8 so we actually know or, you know, lower control,
9 gas valve, gas pressure switch, I like to see
10 something trip that we actually know that the
11 alarm system is working, and it will default not
12 just the electronics that are working, just to
13 give an audible alarm.

14 MR. TOTH: And, Mr. Fox, if I may,
15 this is Marty Toth, with ECS.

16 Mr. Fox, I absolutely agree with
17 you. In that testing controls such as flame
18 failures, low water, low gas pressure, high gas
19 pressure, those are great; those are all
20 operational. Okay. We're not doing complete
21 operational tests here.

22 What we're wanting to ensure through
23 this variance is that we have a line of
24 communication. I advise all of my clients I've
25 trained, all of the boiler attendants that I've

1 trained that we have plain maintenance programs
2 in place in-house that individuals will do these
3 particular tests on a daily, weekly, monthly,
4 quarterly basis.

5 In regards to our variance, what
6 we're wanting to do is ensure that we have a
7 straight line of communication from the alarm
8 signal coming from the boiler to the remote
9 station. That's what we're achieving within
10 this manual. But I do agree with you; however,
11 we need to separate the distance, the
12 difference -- I mean, operational tasks and
13 variance communication tasks, and that's my
14 opinion.

15 MR. BAUGHMAN: Terry, thank you for
16 your comments and thank you, Marty.

17 When we say it cycles the boiler
18 down, so it just -- on a full modulation burner,
19 it just takes it to low fire and let's it cycle
20 back up?

21 MR. TOTH: It doesn't take it
22 necessarily the low fire. It takes it through
23 the sequence of operation. So once we hit that
24 bottom, it's no different than us meeting the
25 steams demand. The boiler will cycle down. It

1 will go into -- once it does, it will then
2 transfer into the free-purposes position and
3 start bringing the boiler back up again because
4 the controls that are in place is looking for
5 steam, and so if that boiler was operating at
6 the time that we pressed that bottom, than it
7 was needing steam or wanting steam, and as long
8 as we're below those start points within the
9 pressure controls, that boiler will start right
10 back up.

11 MR. BAUGHMAN: So it's as if we trip
12 the limit, in other words, the boiler is going
13 to cycle down and cycle back up and as soon as
14 that's reset?

15 MR. TOTH: Yeah, it is, and so
16 that's where your comments do -- are valid, that
17 if we're communicating, what are we actually
18 doing? Again, with this particular company --
19 and maybe that's something I need to look at in
20 the future -- is instead of doing the broad
21 stroke, saying we're just going to do a manual
22 to bring it down, maybe I need to be more
23 specific to say exactly what we're doing, so
24 then it's a lot clearer.

25 But, in essence, all we're doing is

1 wanting to send that alarm to the guard shack,
2 and if we can do that without actually bringing
3 the boiler down, we have satisfied the
4 requirements of verifying the alarm system.

5 MR. BAUGHMAN: And that's something
6 for future discussion because the one thing that
7 we don't want to do is make it protocol that we
8 don't shut the boiler off on a limit and that
9 the attendant is utilizing the remote switch.
10 All the remote switch does is energize the
11 alarm. It doesn't check -- we can have alarms
12 work and the limits don't work.

13 So, just again, something for future
14 discussion. But thank you for the clarification
15 and, Terry, thank you, for your input, too.

16 MR. FOX: Well, this is Terry Fox,
17 Board Member.

18 Just to add to that, Marty, I'll let
19 Sam kind of elaborate on how they actually test
20 these systems when they go out to approve them.

21 Sam, do you want to step in?

22 MR. CHAPMAN: Normally what we do is
23 we go out and -- once we get there, we go
24 through the -- I say plant or the boiler room,
25 check out all of the things into that. Then we

1 go sit at a remote station. We normally go in
2 pairs: We have one going to the boiler room and
3 one going to the remote station.

4 The one in the boiler room will have
5 the operator or whatever the tech is, to give
6 some kind of fault to the boiler. Most of the
7 time we ask to see if it's going to interrupt
8 anything. That way if the boiler -- we take the
9 boiler down, it doesn't interrupt anything.

10 Okay. Once -- it will send an alarm
11 to the remote station and there we follow-up to
12 see how the remote station personnel is going to
13 respond to it. So it's like, you know, if,
14 "if," it's going to interfere with their
15 product, we will not take the boiler room down,
16 and that's normally the way we go through it as
17 far as testing it.

18 Does that answer your question,
19 Terry?

20 MR. FOX: Yes. Thank you, Sam.

21 MR. BAUGHMAN: This is Dave
22 Baughman. I just had my two-cents' worth on
23 that. Through the procedure when the alarm is
24 received at the remote station, what is the
25 first thing the remote station attendant is

1 supposed to do?

2 From what the manual says, it's to
3 hit the e-stop --

4 MR. FOX: E-stop, yup.

5 MR. BAUGHMAN: -- which is going to
6 shut the boiler off anyway. So we're checking
7 the alarm system but the protocol through the
8 manual is that we're going to shut the boiler
9 off anyway; is that not true?

10 MR. CHAPMAN: That is true.

11 MR. TOTH: This is Marty Toth from
12 ECS. Can I interject a little bit?

13 CHAIRMAN MORELOCK: You can.

14 MR. TOTH: Obviously just to defend
15 what Chief Chapman mentioned. Here, it's taken
16 into account by the Chief and his staff when
17 they have gone on out and done these
18 inspections, is to ensure that if there is a
19 process in place that can be affected by turning
20 off the boiler, they take that into account.
21 That's on a rare occasion obviously, but what
22 the Chief that I've experienced in my past and
23 also have witnessed by Chief Chapman and his
24 staff is that they were verifying the process
25 that individuals have gone through the process

1 and they are doing what they're supposed to be
2 doing.

3 In most cases they are indeed
4 tripping the boiler, Mr. Baughman. They are
5 going through the process. Chief Chapman will
6 call up flame failure, is a good one. They'll
7 call up the flame failure. Won't tell the
8 remote station. The remote station is
9 responsible for going through the procedure to
10 press the e-stop and get his communications.

11 So during his inspections, there has
12 only been one occasion where there wasn't an
13 allowance for not actually physically hitting
14 the e-stop because it was a volatile chemical
15 facility in Memphis, Tennessee. However, the
16 Chief required for the personnel to go through
17 their steps and stop them short of actually
18 hitting the e-stop, if that makes perfect sense.

19 Now, testing the e-stops is a
20 planned maintenance process that is built into
21 the company's operational schedule, and he was
22 satisfied with that because they have records of
23 that information.

24 So I hope that helps to enlighten a
25 little bit about how it actually happens out in

1 the field. And.

2 I would highly -- you know, I may be
3 stepping out a little bit much -- but I would
4 highly -- and I see you smiling up there,
5 Dave -- I would highly recommend that Board
6 Members from time to time go with the Chief
7 while he does an inspection, so you might get a
8 better understanding of exactly what happens
9 during the inspection process. Just not one of
10 my clients. Just kidding. Thank you, sir.

11 MR. BAUGHMAN: Thank you very much,
12 Mr. Toth. And just to add to that, so these
13 variances come up for renewal once every three
14 years, and my problem with the remote switch not
15 shutting the boiler off or actually the remote
16 station attendant not hitting the e-stop is, we
17 have had failures of the e-stops, and that's a
18 concern to me that if that's not tested on a
19 regular basis that we can have problems, and
20 maybe Assistant Chief OGuin can chime in on
21 whether or not that's actually true or if we
22 found any e-stops that were not operational?

23 MR. CHAPMAN: Well, this is your
24 Chief, Mr. Baughman. We did find one like that
25 when we went to a place and we tested it, and

1 they hit the e-stop and nothing happened, you
2 know, it did not shut the boiler down or
3 anything. And, you know -- but they didn't have
4 any records of it saying that they was testing
5 it. So that was one of the things that I try to
6 recommend, you know, at least quarterly, to test
7 it. You know, if you've taken the boiler down,
8 for whatever the reason is, test the e-stop, and
9 that's what we normally do under that.

10 CHAIRMAN MORELOCK: Mr. Baughman,
11 you're muted.

12 MR. BAUGHMAN: Thank you,
13 Mr. Chairman. Thank you, Chief Chapman. That's
14 kind of to my point is that all these components
15 are man-made, they're installed by man, they're
16 maintained by man, and if a man's involved with
17 it, it's not perfect. So then it's reliant upon
18 us being diligent and checking these systems,
19 and we've already found -- and I take it that
20 this was not only a new variance but this was
21 already possibly a variance that was already in
22 place; I don't know.

23 But the thing with it is, is that we
24 want to be on the forefront of how we're
25 checking these systems and making sure our

1 recommendations and protocols are with safety
2 first.

3 So thanks for everybody's input on
4 that.

5 CHAIRMAN MORELOCK: Good
6 conversation.

7 MR. TOTH: Mr. Chairman, just one
8 last thing. I agree with all of that. I highly
9 recommend that the Board look at that a little
10 closer in their checklists and their guidelines
11 for the variance, and if that's the consensus of
12 the Board, go ahead and put it in there and say
13 that we're going to, you know, every shift when
14 we go to check that system, it's not just a
15 communications test, it's actually testing the
16 e-stop at that remote station. If that's the
17 intent of what the Board wants, I highly
18 recommend you spell that out, and we'll all
19 follow it.

20 CHAIRMAN MORELOCK: Well, Mr. Toth, I
21 agree with that, and I would also speak on
22 behalf of the Board that we don't want the
23 variance manual process to be the only check of
24 the e-stop. We want the owners and users of
25 that equipment to have their own protocols to

1 routinely check all the equipment, including the
2 e-stops, would you not agree?

3 DR. HARGROVE: Bear the
4 responsibility.

5 CHAIRMAN MORELOCK: Yes.

6 MR. BOWERS: Harold Bowers, Board
7 Member.

8 You know, as with insurance
9 companies and also inspectors, we highly
10 recommend that that's the owner-user's
11 responsibility. You know, we can't, as a state
12 entity, baby-sit everybody all the time, and
13 it's actually their responsibility to take care
14 of their equipment and we check to make sure and
15 we recommend that they have certain procedures
16 and they do what they're supposed to do.

17 But it is the owner-user's
18 responsibility to run their equipment and to
19 take care of it.

20 CHAIRMAN MORELOCK: Thank you,
21 Mr. Bowers.

22 Are there any other comments
23 concerning this variance proposal? Hearing
24 none. Do I have a motion for this variance?

25 MR. BOWERS: I make a motion that we

1 approve this variance contingent on any updates
2 and the inspection by the Chief and his staff
3 for approval.

4 CHAIRMAN MORELOCK: Thank you,
5 Mr. Bowers.

6 Do I have a second?

7 MR. BAUGHMAN: Second.

8 CHAIRMAN MORELOCK: Thank you,
9 Mr. Baughman.

10 Any other comments before we vote?
11 All right. Hearing none.

12 Mr. Baughman?

13 MR. BAUGHMAN: Aye.

14 CHAIRMAN MORELOCK: Mr. Bowers?

15 MR. BOWERS: Aye.

16 CHAIRMAN MORELOCK: Mr. Fox?

17 MR. FOX: Aye.

18 CHAIRMAN MORELOCK: Mr. Henry?

19 MR. HENRY: Aye.

20 CHAIRMAN MORELOCK: Dr. Hargrove?

21 DR. HARGROVE: Aye.

22 CHAIRMAN MORELOCK: Thank you.

23 Gentlemen, you have contingently approved the
24 variance.

25 Mr. Toth, thank you for the great

1 discussion and presentation, and just remember
2 that this is contingent on updating your manual
3 based on comments discussed here today and a
4 successful site-visit by the Boiler Unit. Thank
5 you for your time.

6 MR. TOTH: Thank you, Mr. Chairman,
7 Members of the Board.

8 CHAIRMAN MORELOCK: That completes
9 all of our new business for today. Our next
10 agenda item is Section 8: Open discussion
11 items, which we don't have any on the agenda for
12 today.

13 That takes us to Agenda Item 9,
14 which is an announcement of the next meeting.
15 The next regularly scheduled meeting of the
16 boiler rules will be held at 9:00 a.m., central
17 time, on Wednesday, June 24, 2020, via Zoom
18 videoconferencing.

19 Are there any other comments that
20 anybody would like to make before I adjourn?

21 MR. TOTH: Mr. Chairman, Marty Toth,
22 ECS Consulting.

23 I do have a question and I did ask
24 this of the Boiler Unit and I just want to
25 verify. Is there any plans to -- for the Board

1 to handle any formal interpretation request or
2 requests that have been either made at prior
3 meetings that were tabled forward? I know there
4 are a couple that are out there that we have not
5 nailed down that were brought up in past
6 meetings, and I'm just curious about that
7 because I've had some clients ask particular
8 questions on those submissions that were made
9 prior.

10 What is the plan to handle more
11 cases and interpretations moving forward?

12 CHAIRMAN MORELOCK: Mr. Toth, that's
13 an excellent question. Considering the
14 situation that we're doing these virtual
15 meetings, and as you can tell with three items
16 on the agenda, it's taken much longer to do that
17 via Zoom in a virtual situation than if it was a
18 face-to-face meeting. So the Board agreed that
19 in the interest of public safety, we wanted to
20 take the variance manuals, the Tennessee special
21 requests, the technical items that people need
22 to keep their operations running safely, and
23 that we would take presentations, board cases,
24 board interpretations, we would put them on the
25 agenda when we actually have a face-to-face

1 meeting. Hopefully that will be in September
2 and December, but as of right now with these
3 Zoom meetings, we're only taking the items that
4 people need to stay in operation.

5 Does that make sense?

6 MR. TOTH: That's a perfect answer,
7 Mr. Chairman. Thank you so much for the
8 clarification.

9 CHAIRMAN MORELOCK: You're very,
10 very welcome.

11 MR. BOWERS: It was also a matter --
12 excuse me, Harold Bowers, Board Member.

13 It was also a matter of public
14 access, too. We don't want to get into anything
15 that could question us later on. Like the fee
16 changes and stuff that people didn't have access
17 to, public access, I mean, they do have public
18 access but it's very limited. So we don't want
19 to do anything that or ever have a question
20 about that we did something in the dead of night
21 that people didn't have a chance to participate
22 in.

23 CHAIRMAN MORELOCK: That's an
24 excellent addition to that. You're
25 wholeheartedly correct on that.

1 We did check with Mr. Bailey in
2 legal that these Zooms are public meetings. We
3 are satisfying Tennessee rules and laws for
4 that.

5 But to your point, you're exactly
6 right, Mr. Bowers, is that we're seeing people
7 who don't have access to Zoom and equipment such
8 as that. So, again, all of these things will be
9 discussed in an open meeting in a face-to-face
10 manner. So that's why we're doing the agendas
11 the way we have them now.

12 So excellent questions and comments.
13 If there's nothing else, I do want to take just
14 a very short amount of time and thank you all in
15 that these virtual meetings are not easy, by any
16 stretch, and I appreciate the presenters and the
17 companies and the Boiler Unit and Nan George and
18 the Court Reporters and just everybody that
19 pulls this off. I think it's been a very
20 productive meeting, and I appreciate all the
21 work, and we will see you all next week, same
22 time, same place, and with that, I'm going to
23 adjourn this meeting.

24 (Proceedings adjourned at 11:30.)

25

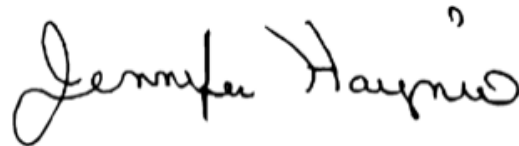
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REPORTER'S CERTIFICATE

I certify that foregoing Transcript was taken at the time and place therein named; that the testimony of said witnesses was reported by me, a Shorthand Reporter and Notary Public of the State of Tennessee authorized to administer oaths and affirmations, and said testimony, pages 6 through 101 was thereafter transcribed into typewriting.

I further certify that I am not counsel or attorney for either or any of the parties to said deposition, nor in any way interested in the outcome of the cause named in said deposition.

IN WITNESS WHEREOF, I have hereunto set my hand the 22nd Day of July, 2020.



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