

Board of Boiler Rules

DEPOSITION OF QUARTERLY MEETING HEARING

Taken June 12, 2019



615.221.1089

1 STATE OF TENNESSEE
2 DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT
3 BOARD OF BOILER RULES

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9 QUARTERLY MEETING OF THE
10 STATE OF TENNESSEE
11 BOARD OF BOILER RULES

12 June 12, 2019

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<p style="text-align: right;">Page 2</p> <p style="text-align: center;">APPEARANCES</p> <p>1 Brian Morelock, Chairman</p> <p>2 Tom Herrod, Commissioner</p> <p>3 Dan Bailey, Legal Counsel</p> <p>4 Terry Fox, Board Member</p> <p>5 David Baughman, Board Member</p> <p>6 Harold Bowers, Board Member</p> <p>7 Jeffrey Henry, Board Member</p> <p>8 Sam Chapman, Chief Inspector</p> <p>9 Chris O'Guin, Assistant Chief Inspector</p> <p>10 Lynn Kirby, Secretary</p>	<p style="text-align: right;">Page 4</p> <p>1 19-12 Wonton Food, Inc. located at 1045 Firestone Parkway, LaVergne, Tennessee is 2 requesting a new variance for two high pressure 3 boilers to operate under the requirements of 4 Chapter 0800-03-03.08(11).</p> <p>5 19-13 Parkwest Medical Center Covenant Health 6 located at 9352 Park West Boulevard, Knoxville, 7 Tennessee is requesting a new variance for four 8 high pressure boilers to operate under the 9 requirements of Chapter 0800.03-03.08(11).</p> <p>10 IX. Open Discussion Items</p> <p>11 Doris Barnett will provide a quarterly update 12 on the Boiler Computer System and 13 Jurisdiction Online (JO). 14 General discussion on the frequency of 15 internal inspections on low-pressure boilers.</p> <p>16 Update on the 2019 Tennessee Boiler Safety 17 Conference.</p> <p>18 X. Announcement of Next Meeting - The next 19 regularly scheduled meeting of the Board of 20 Boiler Rules will be held at 9 a.m. (CST) 21 on Wednesday, September 18, 2019 at the State 22 of Tennessee, Department of Labor and 23 Workforce Development building, located at 24 220 French Landing Drive, Nashville, 25 Tennessee.</p> <p>Scheduled Meeting Dates for 2019 Wednesday, December 11th</p> <p>XI. Adjournment</p>
<p style="text-align: right;">Page 3</p> <p style="text-align: center;">AGENDA</p> <p>1 I. Call Meeting to Order</p> <p>2 II. Introductions and Announcements</p> <p>3 III. Adoption of the Agenda</p> <p>4 IV. Approval of the March 13, 2018 Meeting Minutes</p> <p>5 V. Chief Boiler Inspector's Report</p> <p>6 VI. Variance Report</p> <p>7 VII. Old Business</p> <p>8 None</p> <p>9 VIII. New Business</p> <p>10 19-8 BASF Chattanooga Polymer located at 2120 11 Polymer Drive, Chattanooga, Tennessee is 12 requesting a new variance for two high pressure 13 boilers to operate under the requirements of 14 Chapter 0800-03-03-.08(11).</p> <p>15 19-9 TriStar StoneCrest Medical Center located 16 at 200 StoneCrest Boulevard, Smyrna, Tennessee 17 is requesting a new variance for two high 18 pressure boilers to operate under the 19 requirements of Chapter 0800-03-03.08(11).</p> <p>20 19-10 Evonik Corporation located at 131 County 21 Road 875, Etowah, Tennessee is requesting a 22 new variance for one high pressure boiler to 23 operate under the requirements of 24 Chapter 0800-03-03.08(11).</p> <p>25 19-11 American Snuff Company located at 4583 Guthrie Highway, Clarksville, Tennessee is requesting a new variance for five high pressure boilers to operate under the requirements of Chapter 0800-03-03-.08(11).</p>	<p style="text-align: right;">Page 5</p> <p>1 CHAIRMAN MORELOCK: Good morning, 2 everybody. I am going to call to order our 3 June 12th Tennessee Board of Boiler Rules meeting 4 this morning. I want to welcome everyone. And 5 before we even go to introductions and 6 announcements, I would like to introduce a couple of 7 people to you. First off, I would like to introduce 8 our new commissioner, Jeff McCord, and, Jeff, if you 9 would like to say a few words.</p> <p>10 MR. MCCORD: Absolutely. There's a couple 11 of new faces in the room, and I'm one of them. I 12 just want to say I appreciate what you do. They 13 invited me to the last board meeting, but I was 14 unable to attend. Again, thank you, and I may 15 preempt you a little bit and introduce you to 16 another new face, Tom Herrod. He is now the 17 assistant commissioner with responsibility for 18 boilers. Tom comes with years and years, like a 19 hundred years, based on the industry experience, 20 he's the chemical engineer from Vandy, so don't hold 21 that against him.</p> <p>22 But also, for the last little while, he's 23 been running the TOSHA public sector for the State 24 of Tennessee, and TOSHA is recognized as the best of 25 the best in OSHA organizations for the country, so</p>

<p style="text-align: right;">Page 6</p> <p>1 he comes with some great credentials. I'm super 2 happy that he's here to do this and really have a 3 lot of confidence in Tom, as well. 4 But, mostly, just want to say thank you 5 for your guidance and for keeping Sam and Chris in 6 line. That's always a good thing to do. 7 Thank you. Thank you for the time. 8 CHAIRMAN MORELOCK: Thank you. Well, Mr. 9 Herrod, based on your introduction, you look 10 excellent for your age. 11 COMMISSIONER HERROD: Thank you. 12 CHAIRMAN MORELOCK: All right. Moving 13 right along, as far as introduction and 14 announcements go, I do have a safety item that I 15 always like to go over. In the event of an 16 emergency or natural disaster, security personnel 17 will take attendees to a safe place in the building 18 or direct them to exit the building on the Rosa 19 Parks side, and so just -- we do have a lot of 20 visitors, and I know some are regulars, but we have 21 new faces here and hope we don't have to utilize 22 that today, but you've been forwarned, so anyway, I 23 wanted to pass that along. 24 I also have a courtesy item to share this 25 morning. As we go through our meeting, those who</p>	<p style="text-align: right;">Page 8</p> <p>1 the first item is BASF Polymers, the Chattanooga 2 Polymer facility, that item number should be 19-9, 3 because item 198 was handled in March for Parkwest 4 Medical Center Covenant Health. 5 So moving on down then, 19-9 for TriStar, 6 will become 19-10. And then Evonik Corporation will 7 become 19-11. Mr. Toth sent us an e-mail concerning 8 American Snuff, and they have requested to move 9 their item from the June to the September meeting, 10 so we will remove that from the agenda, which will 11 allow Wonton Food to stay 19-12. 12 And as I earlier noted, Parkwest Medical 13 Center Covenant Health, 19-13, was actually passed 14 at the March Tennessee Board Meeting, under item 15 number 19-8. 16 Are there any other corrections or 17 additions or changes to the minutes -- or the 18 agenda? 19 Okay. Hearing that, do I have a motion to 20 accept our agenda as modified? 21 (WHEREUPON the members of the Board 22 responded affirmatively.) 23 CHAIRMAN MORELOCK: Motion and a second 24 from Mr. Henry. Any other discussion? All in 25 favor, say aye.</p>
<p style="text-align: right;">Page 7</p> <p>1 make presentations will come to the table there and 2 make their presentations, and so in courtesy of the 3 conversation and presentations, please silence your 4 cell phones or put them on vibrate. I know if you 5 need to take a call, you can step out, but, please, 6 as a courtesy to the presenters and to the 7 discussion, please do that. 8 So are there any other announcements that 9 need to be made? 10 MR. BAILEY: Mr. Chairman, I would like to 11 remind everybody, also, that this is being 12 transcribed by a court reporter, so try not to talk 13 over each other. Let the person say what they are 14 going to say or going to ask, even if you know what 15 you're going to say back, let them finish, and then 16 you can say what you have to say so we have a clean 17 record. 18 CHAIRMAN MORELOCK: Thank you. We do have 19 agendas on the back table. There's a sign-in sheet 20 there, as well, and we'll be passing the sign-in 21 sheet around, as well, to record everyone's 22 attendance. 23 So moving on to Item III, Adoption of the 24 Agenda, I do have some changes that I would like to 25 note. When you look under Item VIII, New Business,</p>	<p style="text-align: right;">Page 9</p> <p>1 (WHEREUPON the members of the Board 2 responded affirmatively.) 3 CHAIRMAN MORELOCK: Opposed? Abstentions? 4 Not voting? 5 (WHEREUPON the members of the Board 6 responded negatively.) 7 CHAIRMAN MORELOCK: We have an approved 8 agenda. 9 So moving along to go back and complete 10 introductions and announcements, yeah, I want to 11 start with our court reporter, Janie, and we'll go 12 around and let everybody introduce themselves. 13 THE COURT REPORTER: I'm Janie Garland. 14 I'm a court reporter and glad to be here. 15 MS. KIRBY: I'm Lynn Kirby. I'm the board 16 secretary. 17 MR. O'GUIN: Chris O'Guin, assistant chief 18 inspector. 19 MR. CHAPMAN: Sam Chapman, chief 20 inspector. 21 MR. HENRY: Jeff Henry with ATC in 22 Chattanooga. 23 MR. BOWERS: Harold Bowers, board member. 24 CHAIRMAN MORELOCK: Brian Morelock, board 25 member.</p>

<p style="text-align: right;">Page 10</p> <p>1 MR. BAUGHMAN: Dave Baughman, board 2 member. 3 MR. FOX: Terry Fox, board member. 4 COMMISSIONER HERROD: Tom Herrod, 5 assistant commissioner, WRC. 6 MR. BAILEY: Dan Bailey, legal counsel. 7 MR. TOTH: Marty Toth, ECS Consulting and 8 Boisco Training Group. 9 MR. GOLDEN: James Golden, TriStar 10 Stonecrest Medical Center facility manager. 11 MR. DELANEY: Brent Delaney, I'm the 12 director for facilities at Stonecrest Medical 13 Center. 14 MR. TRIPP: Allen Tripp, Combustion & 15 Control Solutions in Chattanooga. 16 MS. ADERHOLD: Laura Aderhold, maintenance 17 supervisor, Evonik Corporation, Etowah, Tennessee. 18 MR. FREEMAN: Mike Freeman, maintenance 19 supervisor for Evonik, Etowah, Tennessee. 20 MR. NEVILLE: James Neville, president, 21 Neville Engineering. 22 MS. COLE: Cheryl Cole, WRC. 23 MS. PAIGE: Ebony Paige, WRC. 24 MR. ROBINSON: Eugene Robinson, Cincinnati 25 Insurance.</p>	<p style="text-align: right;">Page 12</p> <p>1 March 13, 2018 meeting minutes, I hope everyone has 2 had a chance to review those. They are public 3 records online, so you can go access those. 4 Do I have a motion to accept the March 5 minutes? 6 MR. FOX: I'll make a motion to accept. 7 MR. BAUGHMAN: Second. 8 CHAIRMAN MORELOCK: Are there any 9 questions, changes, provisions to the minutes? 10 Hearing that, I will call the question, all in favor 11 say aye. 12 (WHEREUPON the members of the Board 13 responded affirmatively.) 14 CHAIRMAN MORELOCK: Opposed? Abstentions? 15 Not voting? 16 (WHEREUPON the members of the Board 17 responded negatively.) 18 CHAIRMAN MORELOCK: The minutes have been 19 approved. That will take us on to our next item, 20 item V, Chief Boiler Inspector's Report, and I will 21 turn that over to our chief inspector, Mr. Chapman. 22 MR. CHAPMAN: Thank you, Chairman. 23 Members of the state inspector was 33,582. 24 Insurance agency was 6,118 giving us a total of 25 9,700 inspections performed. The total number of</p>
<p style="text-align: right;">Page 11</p> <p>1 MS. BARNETT: Doris Barnett, WRC. 2 MR. BREAK: Matt Break, Wacker 3 Corporation, Charleston, Tennessee, inspection 4 engineer. 5 MR. HIPPI: Jeremy Hipp, mechanical 6 engineering at Walker Chemical Corporation in 7 Charleston, Tennessee. 8 MR. HOLT: Tim Holt, state boiler 9 inspector. 10 MS. RHONE: Deborah Rhone, boiler office 11 supervisor. 12 MR. KELLEY: Greg Kelley, Boiler Supply 13 Company. 14 MR. CHAN: Wei Lik Chan, project manager, 15 Wonton Foods. 16 MS. BELL: Deonne Bell, boiler office 17 staff. 18 MR. NEALY: Kenneth Nealy, WRC. 19 MR. HAYS: Chris Hays, BASF Corporation, 20 engineering specialist. 21 MS. DAVIS: Brittany Davis, BASF, process 22 engineer. 23 CHAIRMAN MORELOCK: Okay. Thank you all 24 for those introductions. 25 Moving on to item IV, approval of the</p>	<p style="text-align: right;">Page 13</p> <p>1 delinquent, we have a total for statewide, it's 2 71,288. State inspector is 1,412. And insurance 3 agent is 486 giving us a total of 1,908 total 4 delinquents. Member of codes violation, violation 5 found was 32 of them. Uncorrected violations was 6 31. Inspection report will be performed by the 7 assistant chief, Chris O'Guin. They're going to be 8 opening two positions in July for boiler inspectors. 9 This reporting period was covered from January to 10 March of 2019. That's the chief report. 11 CHAIRMAN MORELOCK: Any question or 12 comments about the chief's report? 13 MR. BAUGHMAN: Those two inspectors that 14 are going to be opened up, for what area are those 15 going to be for? 16 MR. CHAPMAN: One is going to be in the 17 Nashville area, and one is going to be in the 18 Memphis area. 19 MR. BAUGHMAN: Thank you, chief. 20 MR. BOWERS: And the violations, what was 21 the majority of the violations? 22 MR. CHAPMAN: On the CO2, because they are 23 missing the monitoring on it, the audio alarm. 24 CHAIRMAN MORELOCK: Any other questions? 25 Okay. Thank you, chief.</p>

<p style="text-align: right;">Page 14</p> <p>1 MR. CHAPMAN: Uh-huh.</p> <p>2 CHAIRMAN MORELOCK: Moving on to item VI,</p> <p>3 which is the variance report, I'll turn that over to</p> <p>4 Chief Inspector O'Guin.</p> <p>5 MR. O'GUIN: Total active variances are</p> <p>6 62. Got ten variances that require a H 123, 12</p> <p>7 variances that need audit, 40 variances that are</p> <p>8 dormant, and variances passed during last quarter</p> <p>9 was Domtar Energy Solutions, Cytec, and Mars Petco,</p> <p>10 they were approved for the last quarter.</p> <p>11 CHAIRMAN MORELOCK: Okay. Any questions</p> <p>12 about the variance report?</p> <p>13 MR. BOWERS: Got a question on the</p> <p>14 variances. Is there a way we can go online or keep</p> <p>15 a standard list? A lot of times we go into a</p> <p>16 location on the variances, don't always know when</p> <p>17 they expire, so do you keep a list that expires, as</p> <p>18 far as variances and when they expire?</p> <p>19 MR. O'GUIN: We have them in the office,</p> <p>20 but as far as you going on the website, no. The</p> <p>21 chief sends an authorization letter out once they're</p> <p>22 approved, and they should have that on file. If you</p> <p>23 ask for the authorization letter, they can present</p> <p>24 it and it has the expiration date on the letter.</p> <p>25 MR. BOWERS: Or we can call you if we --</p>	<p style="text-align: right;">Page 16</p> <p>1 the board. This strategy allows us to share</p> <p>2 knowledge between plants for maintenance, share</p> <p>3 spare parts, maintenance plans between the two</p> <p>4 Chattanooga plants. And we are also able to better</p> <p>5 manage the life cycle of our components of the</p> <p>6 control system and software when we're using a</p> <p>7 single vendor for all our plant control systems.</p> <p>8 And along with the control system</p> <p>9 replacement, we're removing the number two fuel</p> <p>10 system from both of the boilers so the fuel will be</p> <p>11 natural gas only.</p> <p>12 Our facilities are divided into six</p> <p>13 production units where chemicals are processed in</p> <p>14 batches from raw material to finished product. Our</p> <p>15 utilities area, 2600, is where the air-compressors</p> <p>16 and that sort of thing are located. Our remote</p> <p>17 monitoring personnel are our reactor area operators,</p> <p>18 and our remote monitoring procedure is included for</p> <p>19 those area operators.</p> <p>20 The control room for Polymer Drive plant</p> <p>21 is centrally located. It's attended 24/7. The</p> <p>22 remote monitoring stations for the boiler are</p> <p>23 located in the reactor control room, and it's around</p> <p>24 300 feet from the boiler control room. All</p> <p>25 operators have two-way radios for direct</p>
<p style="text-align: right;">Page 15</p> <p>1 MR. O'GUIN: Yes.</p> <p>2 CHAIRMAN MORELOCK: Any other questions,</p> <p>3 comments? Okay. That will take us to item VII,</p> <p>4 which is Old Business, and we do not have any old</p> <p>5 business today. So moving down to item VIII, which</p> <p>6 is New Business, our first item will be 19-9 BASF</p> <p>7 Chattanooga Polymer. So if you will come forward</p> <p>8 and introduce yourself, and we'll let you present</p> <p>9 your item. While they're coming forward, are there</p> <p>10 any conflicts of interest on this item? Okay.</p> <p>11 MR. HAYS: Good morning. I'm Chris Hays,</p> <p>12 engineering specialist.</p> <p>13 MS. DAVIS: I'm Brittany Davis, process</p> <p>14 engineer.</p> <p>15 MR. HAYS: So BASF is requesting a</p> <p>16 modification, a variance modification for two</p> <p>17 boilers located at 2120 Polymer Drive in Chattanooga.</p> <p>18 They're part of a chemical manufacturing process.</p> <p>19 So many parts of the original control system, burner</p> <p>20 management systems are obsolete, and the project</p> <p>21 will be completed in 2019 and scheduled for the</p> <p>22 first week of July to replace the original control</p> <p>23 systems. The new systems will be installed to</p> <p>24 mirror the BCS and BMS systems at our Lost Mount</p> <p>25 Drive facility that have already been approved by</p>	<p style="text-align: right;">Page 17</p> <p>1 communication. They operate their repeater under</p> <p>2 normal circumstances. We can communicate radio to</p> <p>3 radio during power outages and that sort of thing,</p> <p>4 and a plant-wide intercom system is also used to</p> <p>5 communicate between remote monitoring station and</p> <p>6 the boiler operator. Any questions?</p> <p>7 CHAIRMAN MORELOCK: Motion to discuss?</p> <p>8 MR. BAUGHMAN: So moved.</p> <p>9 MR. HENRY: Second.</p> <p>10 CHAIRMAN MORELOCK: The board is open for</p> <p>11 questions and comments.</p> <p>12 I will say it's a very thorough manual.</p> <p>13 It's put together very nicely. I read through the</p> <p>14 manual myself and the only thing that I found is on</p> <p>15 your PN ID for 2602 boiler for PSV2602D, you left</p> <p>16 off the size, inch and a half by one -- or half inch</p> <p>17 by one. That's all the comments I have.</p> <p>18 MS. DAVIS: We can get that corrected.</p> <p>19 CHAIRMAN MORELOCK: Thank you. Any other</p> <p>20 questions or comments?</p> <p>21 MR. BAUGHMAN: Chris and Brittany, again,</p> <p>22 a very thorough manual. What was the actual date on</p> <p>23 your cover letter? I didn't see one. I'm just</p> <p>24 interested to know for my own -- when it was</p> <p>25 actually dated.</p>

<p style="text-align: right;">Page 18</p> <p>1 MR. HAYS: I did not include one. I did 2 not include it.</p> <p>3 MS. DAVIS: It was drafted -- what's the 4 manual due, 45 days before the meeting, so roughly 5 45 days before now.</p> <p>6 MR. BAUGHMAN: Fair enough answer.</p> <p>7 MR. HAYS: The project is coming together 8 at the same time as the manual is coming together, 9 so we're gathering up final items really to the last 10 minute.</p> <p>11 MR. BAUGHMAN: I'm showing on Page 9 and 12 also on the cover letter that this variance was 13 effective 12/13 of '17. Is that when you put it 14 into place when you started --</p> <p>15 MR. HAYS: That was when our first 16 variance was approved.</p> <p>17 MR. BAUGHMAN: Did you start utilizing it 18 as a --</p> <p>19 MS. DAVIS: We didn't start operating 20 under the variance until after our official 21 inspection and we got the letter from the chief.</p> <p>22 MR. BAUGHMAN: Super. Because I just 23 noticed the effective date of 12/13, but the 24 inspection date was May 14.</p> <p>25 MS. DAVIS: Yes. We didn't start</p>	<p style="text-align: right;">Page 20</p> <p>1 with a large project, we have all the relief valves 2 validated study signed off on.</p> <p>3 MR. BAUGHMAN: Very good. Thank you, 4 Chris and Brittany.</p> <p>5 CHAIRMAN MORELOCK: Any other questions or 6 comments? Hearing that, I will call the question -- 7 well, I can't call the question without a motion. 8 Sorry. I did have a motion for discussion. Do I 9 have a motion for approval of this variance for BASF 10 of Chattanooga Polymers contingent upon any 11 revisions to the manual based on comments from the 12 board meeting and a successful site visit by the 13 boiler unit?</p> <p>14 MR. BAUGHMAN: Motion to accept.</p> <p>15 CHAIRMAN MORELOCK: Second?</p> <p>16 MR. FOX: Second.</p> <p>17 CHAIRMAN MORELOCK: Are there any 18 questions or comments? Hearing that, I will call 19 the question, all in favor say aye. 20 (WHEREUPON the members of the Board 21 responded affirmatively.)</p> <p>22 CHAIRMAN MORELOCK: Opposed? Abstentions? 23 Not voting?</p> <p>24 (WHEREUPON the members of the Board 25 responded negatively.)</p>
<p style="text-align: right;">Page 19</p> <p>1 operating until after our inspection and we got the 2 letter in the mail. We just, for documentation 3 purposes, we just put the meeting date.</p> <p>4 MR. BAUGHMAN: I noticed all the 5 relief-valve information that was submitted is dated 6 2013.</p> <p>7 MS. DAVIS: Uh-huh.</p> <p>8 MR. BAUGHMAN: I didn't know if there was 9 a reason for old data or that's the most current 10 data or why we had the 2013 submitted as the data.</p> <p>11 MR. HAYS: Of course, they weren't 12 relief-valve inspections, those were just the 13 studies that documented what size and capacity 14 everything was. That was just the information we 15 had from the original study from Hargrove 16 Engineering.</p> <p>17 MR. BAUGHMAN: That's fair enough. So it 18 was a study and not so much the valve inspection. I 19 knew that in the study, there was recommendations on 20 repairs, so forth, that were in that study, so I was 21 just kind of interested to know if all those had 22 been attended to, just from the curiosity 23 standpoint.</p> <p>24 MR. HAYS: Those were part of a large 25 project. We have a lot of pressure vessels and so</p>	<p style="text-align: right;">Page 21</p> <p>1 CHAIRMAN MORELOCK: You have a 2 contingently approved variance manual.</p> <p>3 MR. HAYS: Thank you all.</p> <p>4 CHAIRMAN MORELOCK: Thank you. Okay. 5 That takes us to item 19-10, TriStar StoneCrest 6 Medical Center. While they're coming up, are there 7 any conflicts of interest for this item?</p> <p>8 MR. BAUGHMAN: There are, Mr. Bailey, I've 9 got a conflict of interest. TriStar has been to our 10 boiler training school, so in that regard, we -- but 11 that's it.</p> <p>12 MR. BAILEY: Okay.</p> <p>13 CHAIRMAN MORELOCK: Okay. If you will 14 introduce yourselves and present your manual.</p> <p>15 MR. NEVILLE: James Neville with Neville 16 Engineering.</p> <p>17 MR. DELANEY: Brent Delaney with 18 StoneCrest Medical Center, director of facilities.</p> <p>19 MR. GOLDEN: James Golden, manager of 20 facilities, StoneCrest Medical Center.</p> <p>21 MR. NEVILLE: We are here to present a new 22 request for boiler variance. If I could reference 23 Page 2 of our manual, it shows the site plan, shows 24 the location of the remote station at the PBX office 25 and the location of the boiler room, approximately</p>

<p style="text-align: right;">Page 22</p> <p>1 106 feet distance there. The individuals that will 2 be monitoring at the remote station are classified 3 as a PBX operator, a secure officer or a plant 4 operations tech. The individuals that are trained 5 and qualified to be a boiler attendant are listed as 6 a plant operations tech or a security officer, which 7 will be a monitoring position only.</p> <p>8 If I can have a brief discussion on how 9 they're qualified to be a boiler attendant, do you 10 want to fill the board in?</p> <p>11 MR. DELANEY: So about two years ago, we 12 had all of our techs go through boiler training, and 13 this year we have new staff, so we'll have 14 additional -- we'll have boiler supplies who 15 provided the previous training, so we'll have them 16 come through and provide another training this year. 17 In addition to that, we do annual competencies for 18 all of our staff on the boilers that's internal to 19 StoneCrest. Also, Jimmy attends these boiler 20 meetings quarterly, so he stays up to date on any 21 changes that could come about.</p> <p>22 MR. GOLDEN: Also if I can interject here, 23 also as a result of that, we also added emergency 24 stop boiler at the locations best for emergency 25 situations if we have to turn off boilers.</p>	<p style="text-align: right;">Page 24</p> <p>1 to service the boilers.</p> <p>2 MR. BOWERS: On the rounds?</p> <p>3 MR. DELANEY: Yes, on the rounds?</p> <p>4 MR. NEVILLE: Now, that is training 5 regarding the boiler operations. They will also be 6 required to be trained to this manual, as well, so 7 there's two trainings that are involved.</p> <p>8 MR. DELANEY: Once this is adopted, we'll 9 have everyone go through a training for this 10 variance, including PBX, security and plant 11 operations, as well.</p> <p>12 MR. BOWERS: So security could check the 13 boiler, correct?</p> <p>14 MR. DELANEY: They check the boiler, yes, 15 for pressures and everything.</p> <p>16 MR. BOWERS: But they will be trained?</p> <p>17 MR. DELANEY: Yes. Yes. They do that 18 currently and they're trained. That's part of their 19 annual competency that we do, but security wouldn't 20 do any of the service to the boiler.</p> <p>21 MR. BOWERS: So they can shut down the 22 boiler? Are they authorized to shut it down?</p> <p>23 MR. DELANEY: Yes.</p> <p>24 MR. BOWERS: Are they authorized to start 25 the boiler?</p>
<p style="text-align: right;">Page 23</p> <p>1 Emergency stops have been installed for our boilers. 2 It kills both boilers, one stop stops them.</p> <p>3 MR. NEVILLE: At the remote station, 4 that's a hard-wired shutoff for each of the boilers.</p> <p>5 If there are any other questions regarding 6 our request?</p> <p>7 CHAIRMAN MORELOCK: Do we have a motion to 8 discuss?</p> <p>9 MR. BOWERS: Motion.</p> <p>10 CHAIRMAN MORELOCK: So moved. Second?</p> <p>11 MR. FOX: Second.</p> <p>12 CHAIRMAN MORELOCK: All right. Floor is 13 open. What are your questions or comments.</p> <p>14 MR. BOWERS: I have a question. Are all 15 your -- anybody who attends to the boiler, looks at 16 the boiler, are you saying they've been through 17 boiler training?</p> <p>18 MR. DELANEY: They go through an annual -- 19 everyone goes through an annual competency at the 20 facility level. Only the boiler attendants from the 21 plant operation side attend the boiler supply 22 training.</p> <p>23 MR. BOWERS: Are they the only ones that 24 look at the boiler?</p> <p>25 MR. DELANEY: They would be the only ones</p>	<p style="text-align: right;">Page 25</p> <p>1 MR. DELANEY: No.</p> <p>2 CHAIRMAN MORELOCK: Other questions or 3 comments?</p> <p>4 MR. BAUGHMAN: I have a question. On the 5 deaerator, Appendix A, Page A1, this is a pressure 6 vessel, but it shows no national board number and it 7 shows no Tennessee number.</p> <p>8 MR. DELANEY: It's atmospheric. It is not 9 a pressure vessel.</p> <p>10 MR. BAUGHMAN: Very good. Being a spray 11 flow and industrial steam and I saw the 4SP511, it's 12 got a pounds per hour rating on it, so that's why I 13 kind of wanted to make sure we addressed it, that it 14 was atmospheric and not actually a pressure. The 15 drawing shows it as a DA and shows it with a steam 16 regulator, so I had a little bit of a conflict in 17 what the drawing showed as a pressurized DA versus 18 what's listed as a atmospheric DA.</p> <p>19 MR. NEVILLE: We can make a note. I mean 20 we have --</p> <p>21 MR. DELANEY: I see the vent. It is not 22 pressured. I know that, but I don't see --</p> <p>23 MR. BAUGHMAN: It's showing steam in your 24 steam drawing, steam coming up into the vessel 25 itself.</p>

<p style="text-align: right;">Page 26</p> <p>1 CHAIRMAN MORELOCK: So does the deaerator 2 have a name plate on it with a pressure rating? 3 MR. DELANEY: It does not. 4 CHAIRMAN MORELOCK: It does not? No 5 nameplate? Is there a manufacturer's nameplate on 6 it? 7 MR. DELANEY: It has a nameplate but no -- 8 MR. BAUGHMAN: No pressure rating on it 9 whatsoever? 10 CHAIRMAN MORELOCK: So if you had a 11 failure and you pressurized it with steam, is your 12 vent sized where it would not see any pressure? 13 MR. DELANEY: We can verify that. I 14 wonder if that's supposed to be condensate instead 15 of steam. 16 CHAIRMAN MORELOCK: I mean, it's okay, but 17 Mr. Baughman's point is well taken in the fact that 18 in the state of Tennessee, 68-122-105 exemptions 19 will tell you if that vessel is operated, relieved 20 or rated at 15 pounds or less, it does not have to 21 be registered with the State of Tennessee. So this 22 DA could see up to 15PSI and it wouldn't have to 23 have a State registration, but we just need to make 24 sure that you have a process control for a pressure 25 situation.</p>	<p style="text-align: right;">Page 28</p> <p>1 to have a safety valve set at probably 50PSI, not 2 15. 3 CHAIRMAN MORELOCK: Okay. Then that would 4 be a regulated vessel. 5 MR. TOTH: I just wanted to clarify that. 6 CHAIRMAN MORELOCK: Thank you for that 7 information. 8 MR. BAUGHMAN: So to further that, who is 9 the inspector, your boiler inspector? 10 MR. DELANEY: So we had a new one last 11 year. Do you remember his name? 12 MR. GOLDEN: The one that replaced Micah. 13 MR. BAUGHMAN: So we just want the boiler 14 inspector to go back over it and take a look at it 15 and verify. 16 MR. DELANEY: Okay. Our annual is due in 17 July, so he should be able to do that quickly. 18 CHAIRMAN MORELOCK: Thank you. What other 19 questions or comments do you have? 20 In Appendix G, so if you look on Page G5, 21 I think it's just a printing format error, but on 22 G4, you have the job title, position title for PBS 23 operator, but there's nothing under that. Then on 24 G5, you have all the information for the PBX 25 operator with no title at the top, so it's just an</p>
<p style="text-align: right;">Page 27</p> <p>1 MR. DELANEY: Okay. We can verify that. 2 CHAIRMAN MORELOCK: Yeah. 3 MR. BAUGHMAN: It shows steam and 4 condensation both coming in. 5 CHAIRMAN MORELOCK: Okay. Not a problem. 6 Just make sure you document it well. Mr. Toth? 7 MR. TOTH: Just for clarification, are you 8 saying that any vessel that operates or any vessel 9 that's rated 15PSI or below, because you could have 10 a deaerator that operates at 5PSI, however, it's 11 relief valve and its MAWP is over 15PSI; therefore, 12 it is required to be registered with the State. 13 MR. BOWERS: The code strictly says MAWP. 14 MR. TOTH: Absolutely. So I just wanted 15 to clarify that. 16 CHAIRMAN MORELOCK: Well, but if the 17 vessel is relieved at 15 PSI or less -- 18 MR. TOTH: Absolutely, and that's where I 19 wanted to make clarification that -- 20 CHAIRMAN MORELOCK: Even if it's being 21 rated higher than 15, it's being operated at 15 or 22 below, it doesn't have to have State -- 23 MR. TOTH: Right. Operating. But I just 24 wanted to make sure of that clarification, because 25 most deaerators that you're going to see are going</p>	<p style="text-align: right;">Page 29</p> <p>1 editorial thing. Okay? 2 MR. DELANEY: Okay. 3 CHAIRMAN MORELOCK: And also in Appendix 4 G, what are the training experience required for the 5 plant ops tech to be a boiler attendant? I don't 6 see that in Appendix G. 7 MR. NEVILLE: On G8, last line, is that 8 what you're referring to? 9 CHAIRMAN MORELOCK: So G8 would say that 10 he or she can be a boiler attendant. 11 MR. NEVILLE: That is correct. 12 CHAIRMAN MORELOCK: But it doesn't mention 13 any training requirements in that job description, 14 whereas the other ones do, if I'm remembering right. 15 Most of the other job descriptions under education 16 and development have annual training. 17 MR. NEVILLE: We will definitely add that. 18 CHAIRMAN MORELOCK: That would be great. 19 On Page 9, under Restart Procedures, you do say that 20 if the boiler is restarted before the cause of the 21 alarm is diagnosed or corrected, then you have to 22 basically go to the 20-minute rule, which you 23 referenced. In some of your manuals, you actually 24 put that paragraph in there, so for consistency 25 sake --</p>

<p style="text-align: right;">Page 30</p> <p>1 MR. NEVILLE: We can add that.</p> <p>2 CHAIRMAN MORELOCK: One way or the</p> <p>3 another, you may want to do that. That's all the</p> <p>4 comments I have. Any other questions or comments?</p> <p>5 All right. Hearing that, do I have a</p> <p>6 motion to contingently approve this variance based</p> <p>7 upon revisions to the manual based upon comments</p> <p>8 from the Tennessee Board of Boiler Rules meeting</p> <p>9 today and the successful site visit for the boiler</p> <p>10 unit?</p> <p>11 MR. FOX: I'll make that motion.</p> <p>12 CHAIRMAN MORELOCK: Do I have a second?</p> <p>13 MR. HENRY: Second.</p> <p>14 CHAIRMAN MORELOCK: Any other comments or</p> <p>15 questions? Hearing that, I'll call the question,</p> <p>16 all in favor say aye?</p> <p>17 (WHEREUPON the members of the Board</p> <p>18 responded affirmatively.)</p> <p>19 CHAIRMAN MORELOCK: Opposed? Abstentions?</p> <p>20 One abstention from Mr. Baughman.</p> <p>21 Not voting?</p> <p>22 (WHEREUPON the members of the Board</p> <p>23 responded negatively.)</p> <p>24 CHAIRMAN MORELOCK: Gentlemen, you have a</p> <p>25 contingently approved variance.</p>	<p style="text-align: right;">Page 32</p> <p>1 the remote station are laboratory technicians, and</p> <p>2 we define their job descriptions in Appendix G. And</p> <p>3 the individuals that will be boiler attendants,</p> <p>4 there are five different job titles. That's the</p> <p>5 maintenance -- or the mechanical maintenance lead,</p> <p>6 mechanical maintenance six, seven, eight and nine,</p> <p>7 job titles that would be boiler attendants. We can</p> <p>8 talk about the training of those to be boiler</p> <p>9 attendants.</p> <p>10 MR. FREEMAN: The training is all</p> <p>11 hands-on. The new hires will be trained by the lead</p> <p>12 maintenance guys or the boiler tech. Every one of</p> <p>13 them will be before they even come over to operate</p> <p>14 and take control of that boiler. They also got a</p> <p>15 SOP they have to go by, the chemicals and all that,</p> <p>16 but it's all hands-on before they ever come over.</p> <p>17 It's pretty extensive. It lasts three to six</p> <p>18 months.</p> <p>19 MR. NEVILLE: And that's the training to</p> <p>20 be a boiler attendant. As far as training for this</p> <p>21 manual, each will be required to be trained to this</p> <p>22 manual, as well, and documented. Is there any</p> <p>23 questions?</p> <p>24 CHAIRMAN MORELOCK: Do I have a motion to</p> <p>25 discuss?</p>
<p style="text-align: right;">Page 31</p> <p>1 MR. NEVILLE: Thank you.</p> <p>2 CHAIRMAN MORELOCK: Okay. That will take</p> <p>3 us to our next item, 19-11 with Evonik Corporation</p> <p>4 for a new variance for one high-pressure boiler, so</p> <p>5 if you will come forward, introduce yourself. While</p> <p>6 you're coming forward, are there any conflicts of</p> <p>7 interest for this item? Okay.</p> <p>8 MR. NEVILLE: James Neville with Neville</p> <p>9 Engineering.</p> <p>10 MR. FREEMAN: Mike Freeman with Evonik</p> <p>11 Corporation.</p> <p>12 MS. ADERHOLD: Laura Aderhold with Evonik</p> <p>13 Corporation.</p> <p>14 MR. NEVILLE: We are here to present a new</p> <p>15 variance; however, this was previously J.M. Huber,</p> <p>16 so the company name change. It was bought out by</p> <p>17 Evonik, so they had a previous variance. April of</p> <p>18 2017 was the previous variance. But we are</p> <p>19 presenting this as a new variance due to that</p> <p>20 company buying J.M. Huber.</p> <p>21 In our location of the remote station is</p> <p>22 in the QC laboratory. The distance there is</p> <p>23 approximately 305 feet, the travel distance between</p> <p>24 the boiler and that remote station.</p> <p>25 The individuals that will be monitoring at</p>	<p style="text-align: right;">Page 33</p> <p>1 MR. BOWERS: Motion.</p> <p>2 MR. BAUGHMAN: Second.</p> <p>3 CHAIRMAN MORELOCK: Okay. What are your</p> <p>4 questions and comments?</p> <p>5 MR. BOWERS: How long, under your old</p> <p>6 variance, your old company, how long had you had a</p> <p>7 variance?</p> <p>8 MR. NEVILLE: The first variance was in</p> <p>9 2013. It was renewed in 2017, and then the company</p> <p>10 was purchased and that's why we're presenting.</p> <p>11 MR. BOWERS: So four or five years under a</p> <p>12 variance, correct?</p> <p>13 MR. NEVILLE: That is correct.</p> <p>14 CHAIRMAN MORELOCK: So did this manual</p> <p>15 require any technical changes from the 2017 renewal?</p> <p>16 MR. NEVILLE: It did not. As far as the</p> <p>17 controls, everything was the same. Job descriptions</p> <p>18 did change, work chart changed, but that was the</p> <p>19 extent of it.</p> <p>20 CHAIRMAN MORELOCK: The changes are pretty</p> <p>21 much editorial due to the name change of the</p> <p>22 company; is that correct.</p> <p>23 MR. NEVILLE: That is correct, yes.</p> <p>24 MR. BOWERS: Personnel is pretty well the</p> <p>25 same personnel?</p>

<p style="text-align: right;">Page 34</p> <p>1 MR. FREEMAN: It's listed maintenance six, 2 seven, that's just the pay grade. We bring them in, 3 we start them, train them and work them up so... 4 CHAIRMAN MORELOCK: Okay. Any other 5 questions or comments? 6 MR. BOWERS: Who did the training for your 7 personnel? 8 MR. FREEMAN: Our lead boiler attendants 9 have been there 20, 25 years. They're the ones that 10 train them. We have one on every shift. We have 11 four shifts and there's one of them on every shift. 12 Our new hires will be with, not the same guy every 13 day, he might be with a different -- oh, and 14 maintenance supervisor, yes, which will be us. 15 MS. ADERHOLD: As far as the variance to 16 train them to this manual, we do that yearly, and I 17 handle that, and I go to each individual and walk 18 them through the manual. I've got a sign-off sheet 19 and we do that yearly. 20 MR. BOWERS: Typically, how many hours of 21 training for a new hire? 22 MR. FREEMAN: I've got one guy switching 23 over now. They had him over there two days a week, 24 12-hour shift. He'd been doing it for about two 25 months right now. He won't be going over for a</p>	<p style="text-align: right;">Page 36</p> <p>1 make sure that those are the way we operate that 2 boiler. 3 MR. BAILEY: For the record, that question 4 was asked by Eugene Robinson. 5 MR. FREEMAN: And he set them up, as far 6 as -- I've been there 25 years, and that's the same 7 SOP we run, you know, when we got the same boiler 8 and everything. 9 MR. ROBINSON: Very well. Thank you. 10 CHAIRMAN MORELOCK: With that said, as 11 controls and stuff have been changed, the SOP had 12 been updated to reflect that; is that correct? 13 MR. FREEMAN: Everything has been upgraded 14 and modified. 15 CHAIRMAN MORELOCK: Any other questions or 16 comments? 17 MR. HENRY: In regard to the training and 18 the change in the company ownership, have there been 19 any fundamental changes in the way in which the 20 training is conducted in the new company? 21 MR. FREEMAN: No. 22 MR. HENRY: Identical to before? 23 MR. FREEMAN: Nothing has really changed, 24 just basically the name of the company. 25 MR. HENRY: Thank you.</p>
<p style="text-align: right;">Page 35</p> <p>1 while. I mean, he's learning, but he's going to be 2 ready before he goes over. 3 MR. BOWERS: On-the-job training 4 basically. 5 MR. FREEMAN: Yeah, he gets hands-on up 6 close and personal with everything. 7 CHAIRMAN MORELOCK: Yes, sir? 8 MR. ROBINSON: Who sets the standards for 9 the SOPs? 10 MR. FREEMAN: Them was put in line with 11 Huber, so I don't know whereabouts them come from. 12 I don't really know. 13 MS. ADERHOLD: The SOPs were developed 14 based on how the boiler operates, and so how you 15 start it up, how you shut it down, and then we 16 review those every so often. Right now, we're 17 getting ready to review them again, because they're 18 actually switching once again in our transition from 19 Huber to Evonik, we're reviewing them one more time. 20 Usually, every two years, probably the 21 senior boiler operator we feel has been there the 22 longest, so Steve Coleman is the one that reviewed 23 them last, so the senior boiler operator is going to 24 go through those and make sure that they -- you 25 know, we sit down with the maintenance supervisor to</p>	<p style="text-align: right;">Page 37</p> <p>1 CHAIRMAN MORELOCK: So -- go ahead. 2 MR. BAUGHMAN: Remote station is 3 continually staffed by a laboratory technician? 4 MS. ADERHOLD: Yes. 5 MR. BAUGHMAN: Single technician, 6 multiples? 7 MR. FREEMAN: Multiple. During the day, 8 single, on shift, nights and weekends. 9 MR. BAUGHMAN: Boiler operates 24/7? 10 MR. FREEMAN: Yes. 11 MR. BAUGHMAN: Remote station lab tech has 12 to take a break, will take a break, what's the SOP? 13 MR. FREEMAN: They break right there where 14 they're at. It's in the same -- 15 MR. BAUGHMAN: So the restroom is in the 16 same -- 17 MS. ADERHOLD: Yeah. 18 MR. BAUGHMAN: So if he's in the restroom, 19 got it locked -- 20 MR. FREEMAN: I hope he hears it. 21 MS. ADERHOLD: He's close enough to be 22 able to hear the alarm. It's an enunciated alarm. 23 MR. FREEMAN: He's also got a radio. 24 They're supposed to carry a two-way radio and a cell 25 phone, too.</p>

<p style="text-align: right;">Page 38</p> <p>1 MS. ADERHOLD: If they're going to be on 2 an extended break, or let's say they're sick and 3 they go home, they're trained, and it's in the 4 training that I do that says if you're going to be 5 out of the lab for an extended period of time, if 6 you go home sick, you need to absolutely let the 7 boiler tech know, and they go back on 20-minute 8 checks. So they know that that's their 9 responsibility and if they step away from it for any 10 extended period of time, then they let the boiler 11 tech know so we go back on 20-minute checks. 12 MR. BAUGHMAN: Okay. And that's in our 13 manual here? 14 MS. ADERHOLD: Yeah, it says if they leave 15 for any time, they need to let the boiler tech know 16 that they will be gone so that we can go back in 17 20-minute checks. 18 MR. BAUGHMAN: Okay. One other question I 19 had was on Page 4. We talk about the remote 20 shutdown switch and a hard-wired emergency shutoff 21 switch, but it mentions that there is an on-screen 22 switch that must be enabled to allow the start up of 23 the boiler; although, it cannot be started from the 24 remote computer, there is an on-screen switch. 25 MS. ADERHOLD: Yeah. The remote</p>	<p style="text-align: right;">Page 40</p> <p>1 because we've had discussions previously about 2 on-screen switches, so forth, so that's something 3 I'll defer back over to the chief and the assistant 4 for when they take a look at the system. 5 CHAIRMAN MORELOCK: The way I understand 6 what you're explaining to me, and correct me if I'm 7 wrong, this is no different than the remote station 8 radioing to the boiler attendant saying, okay, I've 9 cleared, you're ready to restart the boiler. You're 10 just doing it through a computer screen instead of a 11 two-way radio. 12 MS. ADERHOLD: Correct. 13 MR. BOWERS: And there's a lot of systems 14 out there like that. You push in the remote 15 estop -- basically, you undo it, it does not unlock 16 the system, you have to go somewhere else to unlock 17 the system. I see a lot of locations that have 18 that. Just because you pull the estop back out, you 19 cannot start the boiler. 20 MS. ADERHOLD: Right. You want to make 21 sure there's a -- 22 MR. BOWERS: The system is locked out 23 until you check with somebody else. 24 MR. BAUGHMAN: Is this on-screen switch 25 actually tied in to the circuitry to where the</p>
<p style="text-align: right;">Page 39</p> <p>1 monitoring station, which is the lab, they have to 2 give it permissive, so it's a two-way -- the lab 3 gives it the permission, okay, you're ready to 4 start. If they don't have that permission, the guy 5 at the boiler, the boiler operator cannot start that 6 boiler. He just sits there and waits for that 7 permissive. 8 So it's basically -- it's a permissive 9 that says, you're okay here, the lab knows all the 10 alarms here are cleared, so now you can start it. 11 But they have to have that permissive before the guy 12 at the boiler can start it. 13 MR. BAUGHMAN: But there is an 14 on-screen -- 15 MS. ADERHOLD: It's just an on-screen 16 button that say, boiler permissive. 17 MR. BAUGHMAN: On the computer? 18 MS. ADERHOLD: Yeah. 19 MR. NEVILLE: But there is a hard-wire 20 shutoff. 21 MS. ADERHOLD: There's a hardware estop, 22 yeah. To shut it down, it's not on the computer, 23 it's just a hard-wire mushroom estop, but to give it 24 the permissive is a computer switch, yes. 25 MR. BAUGHMAN: I bring that up just</p>	<p style="text-align: right;">Page 41</p> <p>1 boiler will not physically start up until that 2 on-screen switch is enabled? 3 MS. ADERHOLD: That's correct. It will 4 not start up. It's in the commuter system. 5 MR. BAUGHMAN: Is there a backup to that 6 in case the computer, not that we ever had computer 7 issues? 8 MS. ADERHOLD: Yes. I mean, we can -- 9 there is a back door to it. You can get into the 10 logic if you had to, the computer logic, if there 11 was a terrible -- you know, if that screen went down 12 for any reason, but we've not had any problems with 13 it. 14 MR. BAUGHMAN: I understand. 15 CHAIRMAN MORELOCK: Since you opened that 16 door, I'm assuming the back door is password 17 protected? 18 MS. ADERHOLD: Oh, yes. This is 19 absolutely password protected, as well. This remote 20 monitoring station is password protected, yes. 21 CHAIRMAN MORELOCK: Thank you. 22 MR. BAUGHMAN: Thank you. 23 CHAIRMAN MORELOCK: Any other questions? 24 All right. Do I have a motion for contingent 25 approval of this variance based upon the comments</p>

<p style="text-align: right;">Page 42</p> <p>1 and recommendation from the Tennessee Board and 2 contingent upon a site visit from the boiler unit? 3 MR. BOWERS: Motion. 4 CHAIRMAN MORELOCK: Have a second? 5 MR. BAUGHMAN: Second. 6 CHAIRMAN MORELOCK: Any other questions or 7 comments? I'll call the question, all in favor say 8 aye. 9 (WHEREUPON the members of the Board 10 responded affirmatively.) 11 CHAIRMAN MORELOCK: Opposed? Abstentions? 12 Not voting? 13 (WHEREUPON the members of the Board 14 responded negatively.) 15 CHAIRMAN MORELOCK: You have a 16 contingently approved variance. 17 MR. NEVILLE: Thank you. 18 CHAIRMAN MORELOCK: And just note, moving 19 forward, now that you've got the name change and you 20 submitted it as a new variance, in the future when 21 it comes up for renewal, if there's no technical 22 changes, the boiler unit can handle that for you. 23 The only reason it would come back to us is if 24 there's a technical change to the manual or 25 equipment change, software.</p>	<p style="text-align: right;">Page 44</p> <p>1 and has sole responsibility for its implementation 2 and update. Wonton Foods is located on Firestone 3 Parkway in LaVergne, and they operate, or will be 4 operating two high-pressure boilers, 150-horsepower 5 Fulton, tubeless vertical boilers for their 6 operation in their steam noodle line. That is a new 7 line that is being put into production right now. 8 Actually, they're not in production. They are 9 actually being installed as we speak. 10 These boilers have been in place since 11 2018, have not been operated at that point. As you 12 will see in the appendix for the equipment, you will 13 see information on the deaerator. The deaerator has 14 not been registered with the State of Tennessee. It 15 operates below 15 PSI and has a safety relief valve 16 of 15 PSI. 17 The boilers, during the process of putting 18 this program together, we came across the need for 19 inspections to be performed on this boiler. I 20 communicated with the state office, boiler office, 21 and they informed me of that information, so we are 22 in the process and having an inspector that will do 23 the required reinspections of these boilers prior to 24 they are put into operation. 25 We have -- the remote station will be at</p>
<p style="text-align: right;">Page 43</p> <p>1 MR. NEVILLE: Thank you. 2 MS. ADERHOLD: Thank you. 3 CHAIRMAN MORELOCK: Okay. That takes us 4 to item 19-12, Wonton Food, Incorporated. While 5 they're getting settled, is there a conflict in this 6 particular item? 7 Okay. There is not. 8 So, gentlemen, I'll let you present your 9 manual. 10 MR. TOTH: Good morning, Mr. Chairman and 11 members of the board. My name is Marty Toth. I'm 12 with ECS Consulting, Boischo Training Group. I'm 13 representing Wonton Food. To my right is Mr. Wei 14 Lik Chan. He is representing Wonton Food here, 15 also. Mr. Chan will appear in your manual initially 16 as human resource manager. I'm proud to announce 17 that he has been extended his responsibilities with 18 Wonton to project manager, so you will see, when the 19 revisions are given to the chief inspector, this has 20 happened recently. The chief inspector will see the 21 change of title from human resource manager to 22 project manager within the board chart. Other than 23 that, the responsibilities are still his for this 24 manual system. Mr. Chan serves as a -- in the 25 responsibility of qualify assurance for this system,</p>	<p style="text-align: right;">Page 45</p> <p>1 the production lines, which is only a couple hundred 2 feet away from the boiler room. The boiler room has 3 two accesses on each side for accessing at each 4 boiler room. There is boiler room -- excuse me, 5 there is an estop there. There will also be an 6 emergency estop panel that you see in the manual 7 itself that will be posted -- positioned in between 8 both production lines. These production lines will 9 be manned while the boilers are in operation. The 10 boiler will only be operated as-needed per 11 production. Production at this time is scheduled 12 for 7:00 a.m. to 11:30 p.m. If it's needed for 13 increased production, which we are all hoping 14 happens, it will be manned as-needed with qualified 15 individuals. The individuals, the boiler attendants 16 and remote attendant will be trained as outlined in 17 the manual. 18 Also, the burner management system we have 19 is a very good system. It's a Siemens LMV3, more 20 specifically 37, and a very nice system. And we are 21 more than welcome to take any questions you may 22 have. 23 CHAIRMAN MORELOCK: Motion to discuss? 24 MR. BOWERS: Motion. 25 CHAIRMAN MORELOCK: Second?</p>

<p style="text-align: right;">Page 46</p> <p>1 MR. HENRY: Second.</p> <p>2 CHAIRMAN MORELOCK: Questions?</p> <p>3 MR. BOWERS: Now, these boilers aren't</p> <p>4 even registered with the State yet.</p> <p>5 MR. TOTH: No, they actually are. You'll</p> <p>6 see they were registered in February of 2018;</p> <p>7 however, they were not put into operation at that</p> <p>8 time. Going through the process, the plant has been</p> <p>9 operating on a production line that does not require</p> <p>10 the steam boilers at this time. It was just</p> <p>11 preparation for the upcoming production lines.</p> <p>12 MR. BOWERS: So they have or have not been</p> <p>13 registered with the State of Tennessee?</p> <p>14 MR. TOTH: They have been registered with</p> <p>15 the State of Tennessee, as I alluded to, they were</p> <p>16 registered in February of 2018. Their certificates</p> <p>17 of operation came due in February of 2019, which we</p> <p>18 found that are in a delinquent status; so,</p> <p>19 therefore, we have made contact with the inspector</p> <p>20 with the insurance company. The inspector is</p> <p>21 scheduled to come in and perform those inspections</p> <p>22 internally. These will not be put into operation</p> <p>23 until such time that we have the required variance</p> <p>24 equipment put into place, such as remote panels,</p> <p>25 such as the passing by this board, and the</p>	<p style="text-align: right;">Page 48</p> <p>1 simultaneous. There is no requirement that states</p> <p>2 that you have to be in operation to get a variance.</p> <p>3 MR. BOWERS: He doesn't have any</p> <p>4 experience with these boilers.</p> <p>5 MR. TOTH: Experience with the boilers,</p> <p>6 that will come through the training, the rigorous</p> <p>7 training that they will go through, and I promise</p> <p>8 you, it will be pretty rigorous.</p> <p>9 MR. BAUGHMAN: The boilers are shown as</p> <p>10 2016s, so they sat until they were registered in</p> <p>11 2018, you said?</p> <p>12 MR. TOTH: Yes. They were, I would</p> <p>13 assume, a stock item, if you would, that were not</p> <p>14 put into operation prior to being -- they are brand</p> <p>15 new. As you can see from the photographs, in</p> <p>16 appendixes, this a pretty sharp looking operation.</p> <p>17 MR. BAUGHMAN: It does. It looks good.</p> <p>18 CHAIRMAN MORELOCK: In the play off of,</p> <p>19 that date was when it was put under order to build,</p> <p>20 so it could have set on the shelf a while before it</p> <p>21 was sold.</p> <p>22 MR. TOTH: Absolutely. That's the year of</p> <p>23 manufacture. That's going to appear on the</p> <p>24 manufacturer's data plate. That is not necessarily</p> <p>25 when it was put into operation.</p>
<p style="text-align: right;">Page 47</p> <p>1 subsequent inspection by the chief inspector.</p> <p>2 MR. BOWERS: And really, you can't do</p> <p>3 another internal unless Sam -- because actually it</p> <p>4 needs an operational inspection, which hasn't been</p> <p>5 done because they're not in operation, unless the</p> <p>6 chief decides to override not having an operation</p> <p>7 inspection.</p> <p>8 MR. TOTH: I respectfully disagree with</p> <p>9 that, because they have not been put in operation at</p> <p>10 all, they have not been operated, other than testing</p> <p>11 the system. They have been dormant, not being</p> <p>12 operated. An operational inspection or external</p> <p>13 inspection would only be required if the boilers</p> <p>14 were being operated, so what we would do is go</p> <p>15 through the process of doing a reinspection</p> <p>16 internally, then the external inspection thereafter.</p> <p>17 I can assure you that there will be a full external</p> <p>18 inspection prior to the required one by the state</p> <p>19 inspector.</p> <p>20 MR. BOWERS: I just wonder if you're</p> <p>21 jumping the gun of going after a variance when not</p> <p>22 having even operated the boilers at the plant yet.</p> <p>23 MR. TOTH: By saying that, that really has</p> <p>24 no relevance in the discussion, because the boilers</p> <p>25 in operation, it could be something that's done</p>	<p style="text-align: right;">Page 49</p> <p>1 MR. FOX: Out of curiosity, have these</p> <p>2 boilers been stored wet or dry?</p> <p>3 MR. TOTH: These boilers have been stored</p> <p>4 wet, fully filled with water with no air pockets</p> <p>5 within the water line. There's no water line of</p> <p>6 these boilers at all.</p> <p>7 MR. BAUGHMAN: Just as a matter of</p> <p>8 clarification, Mr. Toth, we've got these listed as</p> <p>9 tubeless boilers, and these are VMPs, so actually --</p> <p>10 VMP just stands for vertical multi-pipe, which is a</p> <p>11 fancy name for vertical tubeless, or vertical fire</p> <p>12 tube, I should say. So we would change that type</p> <p>13 from tubeless to vertical fire tube.</p> <p>14 MR. TOTH: That's an oversight on my part.</p> <p>15 CHAIRMAN MORELOCK: Other questions?</p> <p>16 MR. BAUGHMAN: Yes. So you do have a very</p> <p>17 good control system. The Siemens LMV3, particularly</p> <p>18 the 37, it's a very good control, but it's also</p> <p>19 specific to how it's wired. How does this control</p> <p>20 enunciate the water?</p> <p>21 MR. CHAN: The enunciation will -- we do</p> <p>22 have a remote control system that is in the vicinity</p> <p>23 of the remote control attendants, remote attendants,</p> <p>24 that will hear sound and there will be -- they will</p> <p>25 hear the sound from the remote station.</p>

<p style="text-align: right;">Page 50</p> <p>1 MR. TOTH: I'll cover that. I'll cover 2 the technical part of that because this is something 3 that will be covered in their extensive training 4 that I referred to. Their enunciator comes through 5 from the panel that's located on the front of the 6 control panel. If you're referring to enunciation 7 that is going to be carried over to the remote 8 panel, that will be done hardwired.</p> <p>9 And if I may add, that information that 10 you're looking for, you can find on Page 16.</p> <p>11 MR. BAUGHMAN: Which, actually, I'm 12 looking for, on Page 17, Page 16 doesn't identify 13 the low water so much, but the fault codes on Page 14 17 is what I was looking at because in the manual, 15 it talks about a list of faults that are enunciated, 16 and as I was going through the code, I didn't see 17 anything, and I was curious as to how the low water 18 was enunciated on this particular control.</p> <p>19 MR. TOTH: Well, as you very well know, 20 with your experience with boilers, they have two low 21 water cutoffs; one is -- they're both probe, one is 22 internal, one is external. They are tied into the 23 limit circuits that will cause an open circuit if 24 those probes are exposed. So, as you know, that's 25 exactly how this boiler is.</p>	<p style="text-align: right;">Page 52</p> <p>1 happy to present that to the inspector, and I will 2 be in attendance and I can help him maneuver through 3 that wiring diagram, if need to.</p> <p>4 MR. BAUGHMAN: And you know why I brought 5 it up, just because it didn't specifically show an 6 enunciation for low water, and that's why I was 7 bringing it up.</p> <p>8 MR. TOTH: And when we talk about the 9 fault codes, for one, as we all know, fault codes 10 are not a requirement of -- with the checklist of 11 our manuals. It's something that's added in as an 12 information sake. It's covered during training.</p> <p>13 Most manuals, when we start looking at fault codes, 14 we're not going to find very many that are going to 15 highlight low water conditions when we're talking 16 about the burner management system, i.e. the flame 17 safeguard. But it is covered during the training 18 that BTG has contracted with Wonton Foods, and it 19 will be tested appropriately.</p> <p>20 MR. BAUGHMAN: Perfect. Thank you, Mr. 21 Toth.</p> <p>22 MR. TOTH: No problem, Mr. Baughman.</p> <p>23 MR. FOX: You stated just a moment ago 24 that the primary and secondary are both probe 25 control.</p>
<p style="text-align: right;">Page 51</p> <p>1 MR. BAUGHMAN: I guess my question goes 2 back a little bit deeper because it doesn't identify 3 it. Your training is going to take care of it well, 4 I'm sure, but being that we know this control, how 5 it gets wired up, the alarm circuit on those, even 6 though they're on the control circuit, the control 7 circuit doesn't give enunciation, it just turns the 8 boiler on and off, so we've got an alarm circuit on 9 the low water that ties back into this Siemens, and 10 I'm curious where it's tied in at to enunciate on 11 this fault code list.</p> <p>12 MR. TOTH: And I appreciate that. I just 13 think that's above and beyond what we're looking for 14 in this board. If you're wanting to look at a 15 wiring diagram, I'd be more than happy to send you a 16 wiring diagram. I do believe that goes above and 17 beyond what you're looking for at this meeting.</p> <p>18 MR. BAUGHMAN: And so that will get taken 19 care of at the time of inspection, actually, when 20 they'll go through and check the controls, see how 21 it enunciates and so forth. I appreciate that.</p> <p>22 MR. TOTH: Absolutely. And we do have 23 those wiring diagrams. I do not put those in 24 manuals, nor does anybody else who does these 25 manuals put wiring diagrams in, but I'd be more than</p>	<p style="text-align: right;">Page 53</p> <p>1 MR. TOTH: They are probe types on this 2 type boiler, I do believe. Let me take a second 3 look.</p> <p>4 MR. FOX: Looks to me like the primary is 5 actually a float control instead of a probe.</p> <p>6 MR. TOTH: You are absolutely correct. I 7 confused this with another client that I just did 8 with Fulton Boilers. These are float type. The 9 primary is a float type of this boiler. The 10 secondary --</p> <p>11 MR. FOX: The secondary is probe?</p> <p>12 MR. TOTH: Yes. As you can see directly 13 above the control panel, you will see the probe 14 enter inside the boiler. Thank you for that. You 15 are correct. It is a float type for the primary. 16 Serves the same purpose, but different design.</p> <p>17 CHAIRMAN MORELOCK: Any other questions?</p> <p>18 MR. ROBINSON: I'm sorry, I just have to 19 ask. Eugene Robinson. So when it goes into manual 20 reset low water cutoff, what happens?</p> <p>21 MR. TOTH: Say that one more time.</p> <p>22 MR. ROBINSON: So when the boiler goes 23 into manual reset low water cutoff, what happens?</p> <p>24 MR. TOTH: The boiler goes off.</p> <p>25 MR. ROBINSON: That's it?</p>

<p style="text-align: right;">Page 54</p> <p>1 MR. TOTH: Oh, it's going to alarm. Is 2 that what you're asking? Yes, it will alarm. Thank 3 you, sir.</p> <p>4 CHAIRMAN MORELOCK: Any other questions? 5 I've got some editorials, so these -- on Page 4 and 6 also on Page 12, for your emergency procedures.</p> <p>7 MR. TOTH: Is this going to embarrass me? 8 CHAIRMAN MORELOCK: No. It's just -- it 9 says, if the boiler attendant responses move to step 10 six, it should be, if the boiler attendant responds. 11 You want to do that in three and four, on Page 4 and 12 12. It's just grammar. Then on Page 32 where you 13 list the operating shifts, the second shift should 14 be 3:00 p.m. to 11:30 p.m., not 11:30 a.m.</p> <p>15 MR. TOTH: Thank you. During the review 16 of this on Monday, Mr. Chan and I both saw that. It 17 has been -- if you were to look in our books, it has 18 been revised in our books.</p> <p>19 CHAIRMAN MORELOCK: The guys on second 20 shift have a long shift.</p> <p>21 MR. TOTH: I looked at that and I said, I 22 don't believe they're going to be working that long. 23 I think I may have gotten that incorrect on that.</p> <p>24 CHAIRMAN MORELOCK: Just a comment. 25 The -- thank you for sharing the story of Wonton and</p>	<p style="text-align: right;">Page 56</p> <p>1 have to have a talk with my administrative 2 assistant.</p> <p>3 CHAIRMAN MORELOCK: Any other questions or 4 comments? All right. Do I have a motion for 5 contingent approval for this variance based upon the 6 comments made during the Tennessee Board meeting and 7 a successful site visit by the boiler unit? 8 MR. BAUGHMAN: So moved. 9 MR. FOX: Second. 10 CHAIRMAN MORELOCK: Any other questions or 11 comments? I'll call the question. All in favor say 12 aye. 13 (WHEREUPON the members of the Board 14 responded affirmatively.) 15 CHAIRMAN MORELOCK: Opposed? Abstentions? 16 Not voting? 17 (WHEREUPON the members of the Board 18 responded negatively.) 19 CHAIRMAN MORELOCK: Gentlemen, you have a 20 contingently approved variance. 21 MR. TOTH: Thank you, gentlemen. I really 22 appreciate it. 23 CHAIRMAN MORELOCK: That concludes our new 24 business. Moving on to Item IX, Open Discussion 25 Items. Our first item is, Doris Barnett will</p>
<p style="text-align: right;">Page 55</p> <p>1 the introduction. It's a very neat story. So thank 2 you.</p> <p>3 MR. TOTH: Great. Thank you. I always 4 find that's educational for me, too. All of my 5 clients, I try to do some research and see what they 6 actually do.</p> <p>7 CHAIRMAN MORELOCK: Great story. 8 MR. BAUGHMAN: One other question I have, 9 being that the remote panel was out in the work 10 area, does the work area require hearing protection? 11 MR. TOTH: At this time, I will ask 12 Mr. Chan to answer that, because the process is not 13 up and running. 14 MR. CHAN: The process is not running and 15 as far as we know right now, it doesn't require 16 hearing protection. It doesn't go above 85 17 decibels. 18 MR. BAUGHMAN: Very good. 19 CHAIRMAN MORELOCK: Any other questions or 20 comments? 21 MR. HENRY: One minor, following up on 22 your editorial, if you look on Page 5, the last 23 line, bottom of the page, location, placard 24 (phonetic), I believe. 25 MR. TOTH: Thank you. I'm going to really</p>	<p style="text-align: right;">Page 57</p> <p>1 provide a quarterly update on the Boiler Computer 2 System and Jurisdiction Online.</p> <p>3 MS. BARNETT: Good morning. Doris 4 Barnett. I work with the Workplace Regulations and 5 Compliance. I have a couple of roles here. Right 6 now, I'm speaking as the IT liaison for Jurisdiction 7 Online. 8 As you're probably aware, JO manages the 9 inspections, revenue, allow online payments, 10 e-mailing of documents, including invoices, and also 11 provide faster communication on inspections entered 12 by the insurers. 13 I do want to say now that we have pushed 14 the implementation date out. At last meeting, I 15 mentioned that it would be July. It has been pushed 16 out a little bit further. We're not sure of the 17 actual date yet. We had a meeting yesterday and 18 it's going to be a couple of months additional. 19 I won't touch on the accounts; although I 20 will mention that Sam and Chris did a very good job 21 giving the numbers, but I want to say, with the 22 delinquents, the numbers might have sounded high, 23 but it's less than 3 percent that we actually have 24 that are delinquent. We have .02 percent active 25 code violations, so less than .02 percent.</p>

<p style="text-align: right;">Page 58</p> <p>1 And I think that's excellent. That's 2 something else that JO can allow us to track at a 3 deeper level.</p> <p>4 We have planned to have additional search 5 processes for addressing and resolving our audit 6 issues, including the questions of delinquents and 7 followup inspections that we had before. It will 8 give us the ability to e-mail invoices and other 9 documents, and we're working on the process to get 10 variances tracked through JO. We have -- our 11 current system has a way to enter variances and to 12 report on them, but we don't have a really good 13 tracking mechanism, and we'll get that.</p> <p>14 We're also working with STS and JO to get 15 a process to allow us to bring in all the insurer 16 files. Right now -- that's why we pushed it out, 17 because right now, we don't have that set as part of 18 our project, and cannot really go live without 19 having the ability to include the insurance 20 inspections. So right now, that's what we're 21 seeing.</p> <p>22 We had a couple of previous questions and 23 I think I'd answered all those questions from 24 previous meetings. I don't see one here that needs 25 to be addressed. So that's my report.</p>	<p style="text-align: right;">Page 60</p> <p>1 talks about MAWP, then we do the inspection, and it 2 also MAWP, is that just a redundance of what's on 3 top?</p> <p>4 MR. CHAPMAN: I can't answer too much of 5 that.</p> <p>6 MR. BOWERS: That's something that might 7 be discussed down the line? Okay.</p> <p>8 CHAIRMAN MORELOCK: Should be MAEP for 9 vacuum rating?</p> <p>10 MR. CHAPMAN: We really don't know because 11 they keep changing things on it, so that's the 12 reason I really can't give you an answer.</p> <p>13 MR. ROBINSON: What I've been doing, 14 Eugene Robinson -- what I've been doing is, the MAWP 15 is right adjacent to the capacitor, and what it is 16 is that that's the singular capacity if you have one 17 valve; meanwhile, below you'll note that it says, 18 total capacity, so if you have two valves, now 19 you're going to do that number and double it.</p> <p>20 MR. BOWERS: Oh, okay. I see that on the 21 top and the bottom. Okay.</p> <p>22 MR. ROBINSON: Yes, sir. It's the total.</p> <p>23 CHAIRMAN MORELOCK: Any questions? Any 24 other questions? As far as people importing data, 25 like for us, for instance, right now, we send data</p>
<p style="text-align: right;">Page 59</p> <p>1 MR. BOWERS: How are you doing, Doris, are 2 you doing all right? Question I have, I use 3 Jurisdiction Online, and I see where you added the 4 variance part. I know after the variance part that 5 has a variance comment, what would you expect for 6 the inspectors to put in that variance comment? 7 Maybe expiration date or something?</p> <p>8 MR. CHAPMAN: The manual date.</p> <p>9 MR. BOWERS: Okay. I have another 10 suggestion. On JO safety valve type, it has a pull 11 down, like pounds per hour, CFF. I would like to 12 add gallons per minute on that because of the 13 valves. The safety valves are rated in gallons per 14 minute. And I'll give you this right here. This is 15 a sample. And I don't know if that can be added, 16 because it has, like you said, CFF, BTU and all that 17 down here. If we could add gallons per minute on 18 that safety valve setting.</p> <p>19 MR. CHAPMAN: We're trying to get things 20 added, because like if you have a ruptured 21 (inaudible) there's nothing on it.</p> <p>22 MR. BOWERS: Right. I know the safety 23 valves are rated in gallons per minute, and I 24 noticed also, too, looks like you've all added 25 several good things on there, but up on top, it</p>	<p style="text-align: right;">Page 61</p> <p>1 from Eastman to the boiler unit. What is this going 2 to look like in JOL?</p> <p>3 MS. BARNETT: We are not sure of that yet. 4 We have been under discussion with the STS, which is 5 our computer people, and with Jurisdiction Online to 6 try to get that ironed out. Right now, it's -- 7 we're kind of up in the air and it's pushed our 8 implementation date out.</p> <p>9 CHAIRMAN MORELOCK: Okay. Will that have 10 a fee tied to it?</p> <p>11 MS. BARNETT: Again, I don't know.</p> <p>12 CHAIRMAN MORELOCK: Okay. Thank you for 13 that.</p> <p>14 MR. BOWERS: We're talking about 70,000 15 objects state-wide, I mean, between the insurance 16 company and everything, right?</p> <p>17 MR. CHAPMAN: Right.</p> <p>18 MR. BOWERS: That's a lot of objects to 19 get all put into one single data base.</p> <p>20 MR. CHAPMAN: That's what we're trying to 21 do. We don't want two systems.</p> <p>22 MR. BOWERS: Right. And once we get it 23 all in one data base -- and, you know, we're trying 24 to do better ass insurance companies, at least our 25 insurance company, put more data in there for the</p>

<p style="text-align: right;">Page 62</p> <p>1 chief to look at as they inspect the report. You 2 know, put down comments that helps you -- you can 3 have that.</p> <p>4 Very good, Doris.</p> <p>5 CHAIRMAN MORELOCK: Any other questions of 6 Doris? Thank you very much.</p> <p>7 MS. BARNETT: Thank you.</p> <p>8 CHAIRMAN MORELOCK: Our next discussion 9 item is a general discussion on the frequency of 10 internal inspections of low pressure boilers.</p> <p>11 MR. BAUGHMAN: I'll open up the 12 discussion. I appreciate putting this on the agenda 13 items because we've bounced this around for a while 14 in trying to get communication on an even plane 15 between chief, the assistant, those in the boiler 16 inspection community, the state inspectors, the 17 insurance inspectors, us within the boiler service 18 industry, and getting everybody together, and 19 there's been a disconnect on communication, so this 20 has been going on for a period of time, and this was 21 a format that we wanted to be able to at least bring 22 it up so that we could attend to it to get everybody 23 on the same page, hopefully.</p> <p>24 So what this came about was through 25 conversations with various inspectors, both state</p>	<p style="text-align: right;">Page 64</p> <p>1 words, these instances didn't come up over a 2 two-year period of time, they are instances that 3 manifested themselves over a period of time, so that 4 was why the open discussion, just to make sure that 5 we dictated from the state back down, what the 6 actual protocol is so that we got everybody on the 7 same plane.</p> <p>8 MR. BOWERS: I disagree that the code says 9 you have to do an inspection. I think -- can we 10 talk about that? It's a --</p> <p>11 MR. BAUGHMAN: Tennessee Annotated 12 68-122-110, Number 2 says, Low-pressure boilers, 13 heating boilers, shall be inspected both internally 14 and externally biannually where construction will 15 permit. So it's very specific. So you're saying 16 that you disagree with that, but the code, which is 17 undated -- this was 2018, current through 2018 18 regular session, is specific.</p> <p>19 MR. TOTH: If I may interject. I agree 20 and can disagree at the same time. I agree in that 21 that is exactly what the rules and regulations read, 22 exactly. The issue that you run into is the type of 23 boiler where we're talking about. Some boilers, 24 such as a hot-water boiler, you will have individual 25 experts that will say it's more detrimental to the</p>
<p style="text-align: right;">Page 63</p> <p>1 and insurance, it was discussed on low-pressure 2 boilers in particular, section four, both 3 low-pressure steam hot water boilers, that it was at 4 the discretion of the inspector on whether they 5 looked at it internally. And if the boiler looked 6 good, then it didn't necessarily get opened up, and 7 as this kept being perpetuated and communication 8 going, and we were encountering many boilers in the 9 industry that were failing because they hadn't been 10 looked at internally. Boilers that hadn't been 11 looked at for 10, 15, sometimes 20 years, and our 12 state code is very specific that these boilers have 13 to be looked at internally. It spells it out in our 14 annotated code. It spells it out very specifically, 15 the frequency of inspections.</p> <p>16 So I wanted to make sure that we discussed 17 this so that there wasn't anymore lack of 18 communication, that everybody was very clear that 19 these boilers are mandated, construction permitting, 20 to be internally inspected.</p> <p>21 I copied quite a few pictures of boilers 22 recently that had failed and had to be replaced or 23 totally re-tubed because they hadn't been looked at, 24 and these problems could have been attended to 25 through proper internal inspections. In other</p>	<p style="text-align: right;">Page 65</p> <p>1 boiler in the system to drain the system down, drain 2 the boiler down, because once you do, you're 3 introducing oxygen, which is highly corrosive, to 4 the system. With that said, the issue that I run 5 into as a consultant, as a trainer, as an 6 ex-inspector, service, so on so forth, is it's got 7 to be looked at on an individual basis. And the 8 reason is, is what preventative or what plan 9 maintenance are the individuals that are operating 10 the boiler taking to prevent this additional 11 corrosion, what kind of water treatment do they 12 have, is it a glycol system, which as we all know, a 13 glycol system is going to be anti-corrosion type of 14 system also. But then when you look at steam 15 boilers that have a fixed water line, I absolutely 16 agree. Higher possibilities of the influx of 17 corrosives into the system could definitely cause 18 high levels of calcium magnesium build up, corrosive 19 carbonic acids, things of that nature.</p> <p>20 So that's where I agree and disagree. I 21 agree that where construction permits is definitely 22 in the code. There's a lot of states that have 23 that. The state of Georgia has that in the code, 24 and they actually utilize that not to even perform 25 the external inspection, the biannual external</p>

<p style="text-align: right;">Page 66</p> <p>1 inspection, which absolutely blows my mind on 2 high-pressure boilers, let alone low-pressure 3 boilers.</p> <p>4 So with that, you know, I think if you 5 want to delve deeper into it and put more 6 guidelines, do more interpretation, that's what 7 we've done for a number of years here, that 8 establishes that without regurgitating it into the 9 code, that you can then publish out to the 10 community. I think it would be very beneficial.</p> <p>11 CHAIRMAN MORELOCK: The board's 12 interpretation would get you an enforceable answer 13 faster than going through the legislative process. 14 And with what you're saying is, the words in the 15 Tennessee Code Annotated are not prescriptive, 16 because it gives you the caveat, where construction 17 permits, and it can be abused. I mean, obviously 18 that's what you're saying. In the industry, it's 19 just being abused, but, you know, if they'd not put 20 that statement in there, it would be very 21 prescriptive and you'd have to do it, but it gives 22 you a caveat, and that's what's being utilized.</p> <p>23 Yes, Eugene?</p> <p>24 MR. ROBINSON: To further define the 25 divisional rules, in 0800-03-03-.05, Paragraph C, it</p>	<p style="text-align: right;">Page 68</p> <p>1 would look inside a heat exchanger that has 2 curvatures. My point being is your return on 3 investment is going to be zero, because you can't 4 see it.</p> <p>5 MR. BAUGHMAN: And I agree, and that's 6 where it gets into, the construction permitting, we 7 in the boiler industry know that the boiler 8 manufacturers that it's not conducive to looking 9 into the boiler. You virtually can't, the way that 10 the boiler is sealed up and the heat exchanger is 11 manufactured. But there are boilers, the old 12 Wrights and the Ajax, that have all these multiple 13 bolts around the outside of it, that that can be 14 disassembled. It's a job, but it can be 15 disassembled.</p> <p>16 Case in point, we had a hot water boiler 17 that we were doing a CSD 1 update on, the boiler was 18 20 years old, so we needed to look at it internally. 19 It never --</p> <p>20 MR. BAILEY: Excuse me, you just rattled 21 off some letters. What does that mean?</p> <p>22 CHAIRMAN MORELOCK: Control safety devices 23 1.</p> <p>24 MR. BAUGHMAN: I'm sorry, Mr. Bailey. 25 Good question. It's a code reference.</p>
<p style="text-align: right;">Page 67</p> <p>1 reads, As a result of an external inspection or 2 determination by other objective means, it is the 3 opinion of the inspector for continued operation of 4 the boiler or pressure vessel, constitutes a danger 5 to life or property, the inspector may order an 6 internal inspection. It is Page 12 of 7 0800-03-03-.03, Paragraph C.</p> <p>8 So my point being, in short, is that that 9 paragraph that you just read from the annotated code 10 is further defined as the inspector's autonomy to 11 perform. In other words, as a seasoned commissioned 12 inspector, if you feel that an internal is due based 13 on your external examination, then you order the 14 internal inspection.</p> <p>15 As Mr. Toth stated, the problem that would 16 occur is how to manage all of these various unique 17 types of boilers, and keep in mind that boilers are 18 evolving, technology is evolving. We have so many 19 variations of how we're introducing fuel inside a 20 cabinet to make hot water. Where would we draw the 21 line? For me, if you were to say that all boilers 22 ought to be inspected, that would include a water 23 tube boiler that's mounted on the wall, 24 instantaneous heaters. What would you see? Well, 25 you would have the guy disconnect the pipes and you</p>	<p style="text-align: right;">Page 69</p> <p>1 And so in disassembling this boiler, being 2 a hot-water boiler, it's floated system, we shut the 3 valves off, and the boiler was absolutely ruined 4 internally, and the boiler had to be replaced. So 5 many of these boilers are low mass water boilers, 6 they don't hold hardly any water, so the influx of 7 new water coming in, a small amount of water 8 treatment takes care of the oxygen and the 9 corrosiveness of this addition of more water.</p> <p>10 So I somewhat disagree with the 11 interpretation of us putting in fresh water, that 12 it's more detrimental. The point of it is is that 13 we are encountering so many, and I printed off 14 different pictures of these particular jobs, that it 15 was the inspector's decision not to look at these 16 boilers internally because it was at their 17 discretion, and the boilers failed, we see it within 18 our industry, being in the service end of it, and we 19 needed to get this disseminated out so that at least 20 this discussion could be had so that, where 21 construction permitting, the boilers are looked. 22 And that's all that I was wanting to make sure of is 23 that we discuss this, moved it forward to say, we 24 need to revamp this code, the pros and cons of doing 25 that. But as it stands presently, the way the code</p>

<p style="text-align: right;">Page 70</p> <p>1 is specified, these boilers are mandated to be 2 looked at internally.</p> <p>3 MR. BOWERS: I disagree. I'd say it's up 4 to the inspector. We've got a lot of good 5 inspectors in the state of Tennessee. I've got 40 6 years of experience, got guys out there, many years. 7 We've got a chief that's got many years of 8 experience. We've got thousands and thousands of 9 these hot-water boilers all over the state. We're 10 not having thousands and thousands of failures. I 11 mean, we have some, and, yeah, we're going to miss 12 some, we're going to miss some along the way, and 13 it's our job to try to get them, and we're going to 14 make mistakes, we're not going to get them all, and 15 the chief can say, well, y'all need to do a better 16 job, and some of you need to be opening up when you 17 can, but there's thousands of thousands of boilers, 18 and we're going to miss some. There's going to be 19 some failures. We've got a lot of closed-loop 20 systems that maybe leak in there, get some trash 21 there, and they are going to fail. But to say, 22 we're going to change the whole system and we're not 23 going to rely on the experience of our inspectors, I 24 don't think that's right. We can't say we're going 25 to do this from here on out.</p>	<p style="text-align: right;">Page 72</p> <p>1 new ones that are smaller, compact, and you can't 2 inspect them anyway and they do the same thing, same 3 BTUs, same thing. So I'm for discretion of the 4 inspector, because -- except for low-pressure steam 5 boilers. That's different. That's a heating 6 boiler. That's a different thing. That needs, I 7 think, to be inspected.</p> <p>8 MR. BAUGHMAN: Well, too, that point and 9 Mr. Bower's point, we're not changing anything. 10 We've got what's already in place, so from the 11 legality standpoint, we've got a code that is very 12 specific that's already in place. What I'm hearing 13 is is that it's been taken upon others in the 14 industry to make that a part of their thinking of 15 discretionary inspection, but by the letter of the 16 code, we've got what's already in place.</p> <p>17 MR. HOLT: What about glycol in the 18 system? You can't inspect that. I mean, you can, 19 but that boiler is going to be good.</p> <p>20 MR. TOTH: Just to kind of cover, what the 21 code is -- the intent of the code is actually to 22 protect the enforcement of the code. So if we say 23 that inspected internally or externally and 24 internally where construction permits, that allows 25 for the state to do those inspections. The code</p>
<p style="text-align: right;">Page 71</p> <p>1 And I remember we had a situation years 2 ago, me and Martin, we had an unfired pressure 3 vessel, a vacuum tank exploded, and Martin thought 4 about it back then and he said -- we have a 5 fatality, maybe we need to register on fire-pressure 6 vessels, vacuum tanks. We talked it back and forth, 7 and he said, well, that would be thousands and 8 thousands of vessels just because this one that 9 wasn't operated properly, that would be knee-jerk 10 reaction to something that happened one time.</p> <p>11 Yes, we are having failures on some of 12 these hot-water boilers, and maybe the inspectors 13 need to do a better job in certain situations, but 14 not to change the whole rules just because we're 15 having some failures.</p> <p>16 MR. HOLT: Tim Holt. We have to look at 17 the future, too. These type of boilers that are 18 falling apart, they don't make them anymore. Okay. 19 The cast iron, the ones -- I've gone in, and two of 20 them, I've gone in and ordered an internal. They 21 couldn't get the bolts off, they had to cut them 22 off. The boiler went away and they got a nice new 23 one that you can inspect and did the same thing. 24 I'm just looking to the future. I wouldn't change 25 it right now because there's more and more of the</p>	<p style="text-align: right;">Page 73</p> <p>1 reference or the rule reference that Mr. Robinson 2 referred to is exactly what was put in there for 3 that very intent. It is to allow for the inspector, 4 upon their determination, because let's be honest, 5 some of the types of vessels that are being brought 6 up, be it cast iron, be it tankless water heaters, 7 they're different constructions, they're different 8 allowances. We understand that. What also needs to 9 be taken into consideration is that maintenance 10 that's being done, is that care that's been done. 11 Do we have -- I have clients that both work high -- 12 pressure, high-temp glycol systems, okay. 13 Low-pressure closed-loop systems, low-pressure 14 steam, high-pressure steam. Specifically, I look at 15 those individuals on an individual basis when we go 16 through training or I'm doing consulting, and we 17 look at, what are we doing to make sure that we're 18 taking care of our system. That's the same thing, 19 during my tenure as chief, that gentleman right 20 there can tell you, he's sat through it, is my 21 education of those inspectors is to treat every 22 boiler system on its own merits. When it came to 23 low-pressure units that were steam units, okay, that 24 are required an inspection once every two years, 25 there would be a cycle of when we do an external</p>

<p style="text-align: right;">Page 74</p> <p>1 inspection, the next year we come back and do an 2 internal and follow that up with an external 3 inspection. That's what they were all educated on. 4 That's what I educate my clients on, too, which is, 5 what are you doing for a system. If I have a 6 system -- and I beg to differ, introducing fresh 7 water into a system, sir, is absolutely introducing 8 a lot of corrosive materials in the way of oxygen, 9 possible carbon dioxide.</p> <p>10 MR. BAUGHMAN: With any boiler.</p> <p>11 MR. TOTH: With any boiler. But in a 12 closed-loop system, if we are maintaining that water 13 treatment, especially if we are mixing it with a 14 glycol solution that has corrosive inhibitors, okay, 15 we keep that system closed, we're in a better state 16 than introducing air to that system. Don't get me 17 wrong, I don't think it -- I'm not saying it doesn't 18 need to be inspected, it does need to be inspected, 19 it does need to be tested. It just needs to be 20 handled on an individual basis and these rules 21 specifically allow that.</p> <p>22 CHAIRMAN MORELOCK: When you look at this, 23 you've got an owner user, you've got a supplier, 24 you've got the jurisdiction, you've got subject 25 matter experts that you can retain, but who has</p>	<p style="text-align: right;">Page 76</p> <p>1 compared to maybe a different inspector next year or 2 two years from now, and when we bring it to the -- 3 we bring the topic up of when's the last time this 4 boiler has been inspected, it adds a lot of 5 confusion to the customer side who doesn't 6 understand what we all do or go through. We need to 7 establish some guidelines, to me. To me, a -- some 8 of the boilers Dave is talking about, we were 9 actually involved in one of them. And, I mean, when 10 you see a low-pressure steam boiler that you can 11 pull 12, 15, 55 gallon bags of scale out of, that's 12 pitiful to feel me. That is a ticking time bomb. 13 And whether it's 15 pounds steam, 150 pounds steam, 14 250 pounds stream, the workshop idea may be the best 15 place to get all the input from everybody, because a 16 lot of people have good, valid points here, but 17 there's something still missing. None of us want to 18 have a fatality because of something like this, so 19 it's best to me for everybody to get their heads 20 together.</p> <p>21 CHAIRMAN MORELOCK: And I can give you a 22 quick example of that. Several years ago, we had a 23 heavy wall vessel at our company and needed a 24 repair. We had three different repair companies 25 come in and quote this, and the treatment</p>
<p style="text-align: right;">Page 75</p> <p>1 authority to determine if construction permits. 2 It's the national board commission inspector 3 empowered by the state law in the State of 4 Tennessee, so that's where that resides, and that's 5 why they're trained and all that to do that. Now --</p> <p>6 MR. BOWERS: And we make mistakes.</p> <p>7 CHAIRMAN MORELOCK: Well, nothing is 8 perfect. But my recommendation is -- I've got two 9 recommendations. One would be, you could pursue 10 development of a board case or a board 11 interpretation, but you've even got a better 12 opportunity coming up in September. Schedule a 13 workshop with the inspectors and get all their 14 input, because they're going to come together for 15 some training. It would be a perfect opportunity to 16 have a good sit down face-to-face conversation with 17 the folks that are crawling in and out of things 18 every week.</p> <p>19 MR. TRIPP: Allen Tripp. If I could 20 comment just a little bit. Just listening to all, 21 you can see some merit and good information firing 22 from all sides here, but as a service company, we 23 kind of get put on the stop a lot of times. We 24 sell, we install, we service. It's almost -- 25 whichever inspector he happened to get this year, as</p>	<p style="text-align: right;">Page 77</p> <p>1 requirements ranged from 9 to 200 degree preheat to 2 a full blown PWHT. And these were all reputable 3 companies. So we went back to ASME, we processed an 4 interpretation and we got everybody on the same 5 page.</p> <p>6 Same thing here, a board case can add 7 clarity to that, or a board interpretation, however 8 you want to process that. But I do, I think in 9 September, you're going to have this great 10 opportunity to get all the parties involved. You 11 could have owner user, you know, inspectors, you can 12 have all these people come together and share ideas 13 and come away with words that will work.</p> <p>14 MR. BAUGHMAN: So thank you, Mr. Tripp, 15 for that.</p> <p>16 MR. ROBINSON: I want to add, the one 17 thing I don't want to get confused is that the 18 boiler unit for the State of Tennessee represents 19 safety. They are not a maintenance program. If you 20 gentlemen sell a boiler on the service center, and 21 the fact of the matter is you don't inform your 22 client that he should be doing PMs, I don't know if 23 that's just -- forgive me, I'm direct, bad 24 representation or miscommunication. That's where 25 the missing link is. As the inspector, the</p>

<p style="text-align: right;">Page 78</p> <p>1 development, based on NBIC, you have to forgive me, 2 because I carry old books, but service conditions, 3 boilers are designed for a variety of service 4 conditions. The temperature and pressure for which 5 they operate should be considered in establishing 6 inspection criteria. It goes on. As you go through 7 the book, it will give you specifics on various 8 types, but the fact of the matter is, in the 9 infinite wisdom of NBIC leaders, they saw this 10 coming, and they put something in place. 11 I think right now, the way it's defined, 12 based on annotated rules, in addition to rules and 13 laws regulated by 0800, it's at the inspector's 14 discretion, and I think that's fine. 15 MR. BAILEY: NBIC stands for -- 16 MR. ROBINSON: National Board Inspection 17 Code. 18 MR. BAUGHMAN: So being that we've got 19 legal here, when we've got this code that's worded 20 as it is in place, how does legal look at that? 21 MR. BAILEY: Well, I mean, according to 22 the code, they are to be inspected if construction 23 permits. And I'm hearing the rule, which we just 24 revised not too long ago as part of the interpreting 25 code, has given some discretion to the inspectors --</p>	<p style="text-align: right;">Page 80</p> <p>1 side. 2 MR. TOTH: What you just gave there, Mr. 3 Baughman, is an interpretation. You just gave your 4 interpretation of that rule. That was -- that's the 5 purpose of the BIs and the BCs, the board's 6 interpretations' board cases. The reason why we 7 started the board cases and board interpretations 8 was; one, you can give an interpretation as a board, 9 have it in writing so people can read it and say oh, 10 that's what that means; or in the case of board 11 cases, it's what we see in that particular rule that 12 you just referenced, but then expanding upon it. 13 And I think that's where we are at. We could 14 probably sit here the rest of the day and keep going 15 around and around of the fact that what Chairman 16 Morelock referenced was get together, create a 17 system, and I believe it's a board case, because 18 then it expands upon the rules that we have, put 19 that out to the industry so that the expectation of 20 the inspector is set, the expectation for the 21 customer or the owner user is set. I think that is 22 really a great way to take it. 23 MR. BAUGHMAN: My input is, I agree with 24 that, Mr. Toth. We've all made interpretations both 25 from the service side and the inspector side, so not</p>
<p style="text-align: right;">Page 79</p> <p>1 MR. ROBINSON: Correct. Yes, sir. 2 MR. BAILEY: -- as to whether it should be 3 inspected or not. Now, there is argument that you 4 cannot expand the statute by rule, and that could be 5 argued that that was expanding that statute, it 6 could be argued that it was interpreting, what 7 construction permits, that phrase. Because that's 8 kind of a broad phrase. But as long as that rule is 9 not challenged, in which it hasn't been, that rule 10 is in effect. 11 MR. BAUGHMAN: I'll expand upon that 12 0800-03-03, it was actually .05. You mentioned .03, 13 but it's .05. 14 MR. ROBINSON: No, I said dash .05. 15 MR. BAUGHMAN: You said dash .03, but 16 that's okay. It's dash 05 C. But it says, When as 17 a result of external inspection or determination by 18 other objective means that the inspector's opinion, 19 the continued operation of the boiler constitutes a 20 danger, the inspector may order an internal 21 inspection or appropriate test, so on and so forth. 22 But that, to me, still doesn't give 23 definition of not having the -- it doesn't clearly 24 define to me that an internal inspection by our code 25 doesn't happen every other year on the low-pressure</p>	<p style="text-align: right;">Page 81</p> <p>1 only did you hear me make an interpretation, but I 2 did the same thing, as well as yourself, so I think 3 that's the way to go. 4 CHAIRMAN MORELOCK: And to take that to a 5 broader audience, our boiler unit, our chief 6 inspector can go out to the NBIC forum and post this 7 out there to see what all the other jurisdictions 8 are doing. 9 MR. TOTH: Sure. Absolutely. 10 CHAIRMAN MORELOCK: So we can seek 11 consistency not only within Tennessee, but a broader 12 scope. 13 MR. BOWERS: The other thing you brought 14 up, too, is when the inspector submits an 15 inspection, it does through the chief. There's a 16 comment section. The chief, at any time and he's 17 done it, is he rejected inspections because internal 18 has not been done. I know that for a fact. So he 19 has the discretion as the chief to look at those 20 inspections, and every inspection goes through the 21 chief. Now, he can't look at every single one of 22 them, but he's got his people to review them, and he 23 can determine, that inspector, no, you should have 24 done an internal on that one, and he can reject that 25 inspection, and he has.</p>

<p style="text-align: right;">Page 82</p> <p>1 MS. RHONE: Deborah Rhone. And not to 2 mention, you're right, Harold, as far as the quality 3 assurance of the inspection report, if it's 4 definitely the type of vessel that requires an 5 internal inspection, even though they do an 6 external, they're still not going to get a 7 certificate, so they're still going to be operating 8 in violation if they don't have a certificate. 9 MR. BOWERS: That's right. 10 MR. TOTH: Next month, I don't know, Mr. 11 Chairman, if you're going to be able to attend, but 12 I, as you all know, I serve on the NBIC committee. 13 I will be out there. I will put that on my list of 14 conversations with the other chief inspectors that 15 are there to see what they get, and I will let you 16 know, Chief Chapman, what they come up with. But by 17 all means, adding that to the forum would be very 18 helpful, as well. 19 CHAIRMAN MORELOCK: Well, also, you have 20 the October chief forum, another great opportunity 21 to -- 22 MR. TOTH: That's a great area of 23 discussion right there, absolutely. 24 CHAIRMAN MORELOCK: Excellent 25 conversation. This is why we've added discussion</p>	<p style="text-align: right;">Page 84</p> <p>1 things we wanted to make sure that we included. And 2 for the sake of the time frame, we decided to just 3 shoot for a fall of 2020 to conduct that training in 4 lieu of the 2019 one. 5 And we did receive approval we have for 6 our deputy inspectors to hold their training. 7 That's going to be on September 23rd through the 8 27th. It's actually going to be held in Gatlinburg, 9 and this is an opportunity for all of our inspectors 10 to be together as well as we're working on the 11 agenda, and the topics that we've discussed today, 12 Sam and Chris, they've been in contact with several 13 presenters so we're still working on that agenda, 14 and, of course, it's going to be open to any of the 15 board members if they choose to attend as well. 16 MR. BOWERS: It's too bad that the 17 insurance inspectors, and we have a bunch of topics 18 that -- like the hot-water boilers, too bad the 19 insurance inspectors couldn't be involved in those. 20 MS. RHONE: Right. As you well know, it 21 takes a lot to plan for everyone, and then as far as 22 the different formats that we've had in the past 23 with getting assistance from the insurance companies 24 or different representatives, the time frame now, 25 you know, with the transition and everything, we</p>
<p style="text-align: right;">Page 83</p> <p>1 items because we do want input, and we all see the 2 elephant differently, right? So we're standing 3 around looking at it, and we all have a different 4 view, so we've got to come together on that. 5 MR. BAUGHMAN: I appreciate that very 6 much, because I've had so much communication as to 7 finally be able to bring it up. Really a breath of 8 fresh air. And as you can see, by that discussion, 9 there is a lot of things that needed to be talked 10 about with it. So moving forward, do we need to put 11 this on the agenda or propose it to go on the agenda 12 for the next meeting, or how do we carry forward 13 this conversation? 14 CHAIRMAN MORELOCK: Well, Deborah is 15 getting ready to talk about the fall conference, and 16 so let's see what venue is available for the fall 17 conference and go from there. 18 MS. RHONE: Actually we were in discussion 19 regarding the fall training. The actual -- we 20 received approval, thank you, to conduct the fall 21 training for the Tennessee Deputy Boiler Inspectors 22 only. We've got a lot of things that we want to 23 make sure that we get covered for when we have the 24 next deputy and special inspectors, and we know it 25 was discussed previously about different formats and</p>	<p style="text-align: right;">Page 85</p> <p>1 just felt that for us to have a viable training that 2 it would be better for us to go for the 2020 3 training, and then that way everything wouldn't be 4 as forced in the time frame. 5 MR. BOWERS: Yeah, September is just 6 around the corner. 7 MS. RHONE: Yes. But we're definitely 8 open for suggestions regarding that. And we also 9 had suggestions from the past training of 10 presenters, because we did get companies that 11 expressed us coming to their locations and them 12 providing different services and presenters, so, you 13 know, we'll discuss that and see about the approval 14 and everything. 15 CHAIRMAN MORELOCK: So with all that said, 16 that week between the 23rd and the 27th, we'll have 17 a board meeting on Wednesday; is that correct? 18 MS. RHONE: It will be the normal board 19 meeting that's already scheduled. 20 CHAIRMAN MORELOCK: It's on the 18th. 21 MS. RHONE: Yes. The regular board 22 meeting. That will be here. And then the following 23 week, we'll have our training. Like I said, of 24 course, the board members will be welcome to attend. 25 CHAIRMAN MORELOCK: Okay. So to answer</p>

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1 your question, we may have to wait and make it a
 2 December discussion item if you wanted to discuss it
 3 just amongst the state inspectors during their
 4 training. Because we will meet before they have
 5 their training.

6 MR. TOTH: Can I make a suggestion? As we
 7 have done in the past, when we did the permitting
 8 system, and as we do in the NBIC, ASME, I would
 9 suggest that you put together a forum of individuals
 10 such as a task group, individuals that work in the
 11 industry that can put together any ideas for this
 12 board case, and then put that up for discussion,
 13 because I tend to see that through these meetings,
 14 that we have every intent, or you, as the board,
 15 does have every intent, and then it keeps getting
 16 pushed and keeps getting pushed, and you never see
 17 anything happen. That's just my suggestion.

18 CHAIRMAN MORELOCK: So based on that
 19 suggestion, Mr. Baughman, since you're passionate
 20 about it, are you going to lead this task group,
 21 assemble it?

22 MR. BAUGHMAN: Let me think about it.
 23 Yes.

24 MR. ROBINSON: Mr. Chairman, to further
 25 expand on what Mr. Toth said, also put together that

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1 code case in addition to the expected outcome.

2 CHAIRMAN MORELOCK: Right. To assemble a
 3 board case.

4 MR. ROBINSON: Right. There is a web site
 5 that has a format for you to follow. It's either in
 6 ASME, I think it's also in the Tennessee State
 7 Provision of Rules.

8 CHAIRMAN MORELOCK: Thank you.

9 MR. BAUGHMAN: Good discussion.

10 CHAIRMAN MORELOCK: So Mr. Baughman is
 11 going to head up a task group to get development of
 12 a board case. Mr. Toth has offered to talk to our
 13 colleagues in July at the NBIC to gain information.
 14 Our chief has resources available to also gather
 15 information, as well as during your training, you
 16 could have some information gathering there that
 17 could be brought back to Mr. Baughman's task group.

18 MR. BOWERS: I think Mr. Robinson needs to
 19 be in that task group.

20 MR. ROBINSON: I'll volunteer, sir.

21 MR. BAUGHMAN: Thank you, Eugene.

22 CHAIRMAN MORELOCK: Anything else on that?
 23 All right. That takes us to item X, Announcement of
 24 the Next Meeting, which will be at 9:00 a.m. on
 25 Wednesday, September 18 right here in Nashville.

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1 And future dates will be December 11th for our last
 2 quarterly meeting in 2019.

3 If there is not anything else, I'll
 4 adjourn this meeting. Thank you all.

5 WHEREUPON THE PROCEEDINGS WERE ADJOURNED

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REPORTER'S CERTIFICATION

1
 2
 3 STATE OF TENNESSEE)
 COUNTY OF DAVIDSON)
 4
 5
 6 I, Janie W. Garland, LCR#111, licensed court
 7 reporter, in and for the State of Tennessee do hereby
 8 certify that the above Boiler Rules meeting was
 9 reported by me and that the foregoing pages of the
 10 transcript is a true and accurate record to the best
 11 of my knowledge, skills, and ability.

12
 13 I further certify that I am not related to nor
 14 an employee of counsel or any of the parties to the
 15 action, nor am I in any way financially interested in
 16 the outcome of this case.

17
 18 I further certify that I am duly licensed by the
 19 Tennessee Board of Court Reporting as a Licensed
 20 Court Reporter as evidenced by the LCR number
 21 following my name below. *Janie W. Garland*

22
 23
 24 Janie W. Garland, LCR#111
 25

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