FOR THE CASE OF Board of Boiler Rules

TRANSCRIPT OF Board of Boiler Rules

June 15, 2016

Stone & George

COURT REPORTING 2020 Fieldstone Pkwy

Suite 900 - PMB 234

Franklin, TN 37069

(615) 268-1244

This transcript is intended for your law firm's own use. If you wish to share this transcript with an outside law firm, log back in to your CasePlanner account and click the **Share** button.

For questions, call (615) 268-1244 or send an email to nangeorge@stoneandgeorge.com

1.	Page 1 STATE OF TENNESSEE	1.	INDEX	Page 3
1.	DEPARTMENT OF LABOR AND WORKFORCE DEVELOPMENT		PAGE	
2.	BOARD OF BOILER RULES	2.	16-07 Boiler Code Tech, LLC 14	
3.		3.		
4.		4.	16-08 Boiler Code Tech, LLC 36	
5.		5.	16-09 Valero Memphis Refinery 48	
6. 7		J.	16-10 Maplehurst Bakeries, LLC 71	
7. 8.	QUARTERLY MEETING OF THE STATE OF TENNESSEE	6. 7.	16-11 U.S. Nitrogen, LLC 84	
9.	BOARD OF BOILER RULES	8.	AGENDA	
0.	June 15, 2016	9. 10.	Call Meeting to Order II. Introductions and Announcements	
1.		11.	III. Adoption of the Agenda	
2.		12.	IV. Chief Boiler Inspector's Report	
3.		13.	V. Old Business 15-20 Update on the Reorganization of	
4.		14.	Rule 0800-03-03	
5.		15.	VI. New Business 16-07, 16-08, 16-09, 16-10, 16-11	
16.		16.		
17. 18.		17.	VII. Open Discussion Items Fall Conference Update	
10. 19.		18.	VIII. Rule cases & interpretations - There are no	
20.		19.	rule cases and interpretations.	
21.			IX. The next Board of Boiler Rules Meeting is	
22.		20.	scheduled for 9:00 a.m. (CT), Wednesday, September 21, 2016, at the Department of	
12	CASSANDRA M. BEILING, CCR, LCR# 371	21.	Labor & Workforce Development office	
23.	STONE & GEORGE COURT REPORTING 2020 Fieldstone Parkway	22.	building located at 220 French Landing Drive, Nashville, TN.	
24.	Suite 900 - PMB 234	23.	X. Adjournment	
	Franklin, Tennessee 37069	24.	** Reporter's Note: All names are spelled phonetically unless otherwise provided to the	
25.	615.221.1089	25.	Reporter by the parties.	
	Page 2			Page
1.	APPEARANCES:	1.	* * * * * * *	
2.	Brian R. Morelock, Chairman	2.	CHAIRMAN MORELOCK: Good morning	Ţ,
3.	Owner-User Representative	3.	everybody. I would like to call the Tennessee	
4.	Eugene Robinson, Board Member	4.	Board of Boiler Rules meeting to order.	
	Insurance Representative	5.	As far as introductions and	
5.	Dr. Clar E. Lahrana Dh. D. DE. Danad Marahar	6.	announcements, I do have a safety item I'd like	
6.	Dr. Glen E. Johnson, Ph.D., P.E., Board Member Mechanical Engineer Representative	7.	to we discuss it every time but it's worth	
7.		8.	mentioning, especially since we have new visitors	
8.	David W. Baughman, Board Member	9.	coming to our meetings. But in the event of an	
9.	Owner/User Representative	10.	emergency, a natural disaster, we do have security	
10.	Sam Chapman, Chief Boiler Inspector	11.	personnel in the building that will instruct us to	
1.		12.	either go to a safe place within the building or	
	Kim Y. Jefferson, Esq.	13.	if we need to go outside the building we would be	
12. 13.	Administrator, State of Tennessee	ı	on the Rosa Parks side of the building. So that's	
٠.	Dan Bailey, Esq.	14.	9	
4.	Legal Counsel, State of Tennessee	15.	your "safety moment" for today.	
15.	C. I. D. D. W.	16.	As far as other announcements go, I	
16.	Carlene Bennett Board Secretary, State of Tennessee	17.	do have a card for Dr. Domenic Canonico. He sent	
17.	,,,, ,	18.	me an email, and he is not able to travel, per	
8.		19.	doctor's orders. And so I'm going to pass this	
9.		20.	card around, and so if you would like to write him	
20.		21.	a note, I'll collect that at the end of the	
21. 22.		22.	meeting and I'll make sure that he gets that. He	
22. 23.		23.	is recovering from a hospital stay, and so just	
24.		24.	remember him and his family in your prayers.	
25.		25.	Does anybody have any other	

	Page 5			Page 7
1.	announcements?	1.	Our next item is the adoption of the	
2.	(No verbal response.)	2.	agenda. And if you don't have an agenda, they're	
3.	CHAIRMAN MORELOCK: Okay. If not,	3.	on the back table, so certainly make that	
4.	let's move on to the introduction phase, and so	4.	available to yourself.	
5.	Ms. Cassandra, we'll start with you and we'll just	5.	And as we look at the agenda, I would	
6.	go around and let everybody introduce themselves.	6.	recommend one slot change on Item 16-11, the	
7.	THE REPORTER: Cassandra Beiling,	7.	variance it says that U.S. Nitrogen is	
8.	Stone and George Court Reporting.	8.	requesting a variance. I would like to change	
9.	MS. BENNETT: Carlene Bennett,	9.	that to they're requesting a modification to an	
10.	board secretary.	10.	existing variance, as they have an approved	
11.	CHIEF INSPECTOR CHAPMAN: Sam	11.	variance from March 2015 for three boilers, and	
12.	Chapman, chief inspector.	12.	this item is going to add a fourth. So I would	
13.	MR. ROBINSON: Eugene Robinson,	13.	like to state that as a modification to an	
14.	board member.	14.	existing variance.	
15.	CHAIRMAN MORELOCK: Brian Morelock,	15.	Are there any other additions or	
16.	board member.	16.	changes to the agenda?	
17.	DR. JOHNSON: Glen Johnson, board	17.	(No verbal response.)	
18.	member.	18.	CHAIRMAN MORELOCK: All right.	
19.	MR. BAUGHMAN: Dave Baughman, board	19.	Hearing none, do I have a motion to accept?	
20.	member.	20.	MR. BAUGHMAN: So moved.	
21.	MS. JEFFERSON: Kim Jefferson,	$\begin{bmatrix} 20. \\ 21. \end{bmatrix}$	CHAIRMAN MORELOCK: Second?	
22.	administrator.	22.	DR. JOHNSON: Second.	
23.	MR. BAILEY: Dan Bailey, legal	23.	CHAIRMAN MORELOCK: Second.	
24.	counsel.	24.	Any other discussion?	
2 4 . 25.	MR. SWEZY: John Swezy, Boiler Code	25.	(No verbal response.)	
23.	Wik. 5 W LZ 1. John Swczy, Bolief Code	25.	(1vo verbai response.)	
	Page 6	╁		Page 8
1.	Tech, LLC.	1.	CHAIRMAN MORELOCK: Okay. All in	1 age o
2.	MR. ARMSTRONG: Jeff Armstrong,	2.	favor say "aye."	
3.	Nalco Chemical.	I	· · · · · · · · · · · · · · · · · · ·	
		3.	(Affirmative response.)	
4.		3. 4.	(Affirmative response.) CHAIRMAN MORELOCK: Opposed?	
4. 5.	MR. GROSS: Jeremy Gross, Valero,	4.	CHAIRMAN MORELOCK: Opposed?	
5.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery.	4. 5.	CHAIRMAN MORELOCK: Opposed? (No verbal response.)	
5. 6.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero	4. 5. 6.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions,	
5. 6. 7.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery.	4. 5. 6. 7.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting?	
5. 6. 7. 8.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm	4. 5. 6. 7. 8.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.)	
5.6.7.8.9.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University.	4. 5. 6. 7. 8. 9.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an	
5. 6. 7. 8. 9.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler	4. 5. 6. 7. 8. 9.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda.	
5. 6. 7. 8. 9. 10.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor.	4. 5. 6. 7. 8. 9. 10.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement.	
5. 6. 7. 8. 9. 10. 11.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative	4. 5. 6. 7. 8. 9. 10. 11.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And	
5. 6. 7. 8. 9. 10. 11. 12.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor.	4. 5. 6. 7. 8. 9. 10. 11. 12.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll	
5. 6. 7. 8. 9. 10. 11. 12. 13.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S.	4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance.	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen.	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen. MR. HARRIS: Randy Harris, U.S.	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If you do have a cell phone, we would ask that you	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen. MR. HARRIS: Randy Harris, U.S. Nitrogen.	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If you do have a cell phone, we would ask that you would silence that during the meeting out of	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen. MR. HARRIS: Randy Harris, U.S. Nitrogen. MR. MOON: Marty Moon, U.S.	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If you do have a cell phone, we would ask that you would silence that during the meeting out of respect for the presenters and the discussion of	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen. MR. HARRIS: Randy Harris, U.S. Nitrogen. MR. MOON: Marty Moon, U.S.	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If you do have a cell phone, we would ask that you would silence that during the meeting out of respect for the presenters and the discussion of the items.	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen. MR. HARRIS: Randy Harris, U.S. Nitrogen. MR. MOON: Marty Moon, U.S. Nitrogen. MR. JAMES NEVILLE: James Neville,	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If you do have a cell phone, we would ask that you would silence that during the meeting out of respect for the presenters and the discussion of the items. And if you have a conflict of	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen. MR. HARRIS: Randy Harris, U.S. Nitrogen. MR. MOON: Marty Moon, U.S. Nitrogen. MR. JAMES NEVILLE: James Neville, Neville Engineering.	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If you do have a cell phone, we would ask that you would silence that during the meeting out of respect for the presenters and the discussion of the items. And if you have a conflict of interest on these items as we get to them, I'll	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen. MR. HARRIS: Randy Harris, U.S. Nitrogen. MR. MOON: Marty Moon, U.S. Nitrogen. MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. CHARLES NEVILLE: Charles	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If you do have a cell phone, we would ask that you would silence that during the meeting out of respect for the presenters and the discussion of the items. And if you have a conflict of interest on these items as we get to them, I'll ask and Carlene will keep me honest on that	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen. MR. HARRIS: Randy Harris, U.S. Nitrogen. MR. MOON: Marty Moon, U.S. Nitrogen. MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. CHARLES NEVILLE: Charles Neville, Neville Engineering.	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If you do have a cell phone, we would ask that you would silence that during the meeting out of respect for the presenters and the discussion of the items. And if you have a conflict of interest on these items as we get to them, I'll ask and Carlene will keep me honest on that but if you have a conflict of interest on any of	
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	MR. GROSS: Jeremy Gross, Valero, Memphis Refinery. MR. ANTES: Steve Antes, Valero Memphis Refinery. MR. HARGROVE: Keith Hargrove. I'm from Tennessee State University. MS. RHONE: Deborah Rhone. Boiler office supervisor. MS. DURM: Leanne Durm, legislative liaison, the Tennessee Department of Labor. MS. JONES: Lori Jones, U.S. Nitrogen. MR. HARRIS: Randy Harris, U.S. Nitrogen. MR. MOON: Marty Moon, U.S. Nitrogen. MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. CHARLES NEVILLE: Charles	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	CHAIRMAN MORELOCK: Opposed? (No verbal response.) CHAIRMAN MORELOCK: Abstentions, not voting? (No verbal response.) CHAIRMAN MORELOCK: We have an agenda. Okay. So just another announcement. We will be passing around an attendance list. And so when that comes by, please sign in and we'll have a record of your attendance. And just some housekeeping items. If you do have a cell phone, we would ask that you would silence that during the meeting out of respect for the presenters and the discussion of the items. And if you have a conflict of interest on these items as we get to them, I'll ask and Carlene will keep me honest on that	

1.		Page 9		Page
_	Okay. So old business, Item 15-20,	1.	. office, and then usually within 90 days after	
2.	update on the reorganization of Rule 0800-03-03	2.	. submission to the Secretary of State's office,	
3.	(Off the record discussion.)	3.	. they become effective.	
4.	CHAIRMAN MORELOCK: Oh, I'm sorry.	4.	. CHAIRMAN MORELOCK: Okay.	
5.	I'm sorry.	5.	. MR. BAILEY: They'll send us a	
6.	MR. BAILEY: I was going to say	6.	. notice of the exact effective date at some point	
7.	CHAIRMAN MORELOCK: Thank you,	7.	. in time.	
8.	Eugene.	8.	. Now, what we did with these is	
9.	I'm jumping here. Let me go back to	9.	. what has been submitted so far and will be	
0.	Item IV and do the Chief Boiler Inspector's	10.	. submitted to the Secretary of State's office is	
11.	report.	11.	•	
12.	So, sorry about that, Sam.	12.		
13.	CHIEF INSPECTOR CHAPMAN: Oh,	13.	<u> </u>	
14.	that's quite all right.	14.	_	
15.	Okay. For the chief's report, the	15.		
16.	number of inspections performed on the last	16.	-	
17. 18.	quarter as the state inspector was 2,650. The	17.		
	insurance agency was 5,752, giving us a total of	18.		
19. 20.	8,402.	19.		
	The total number that are delinquent	20.		
21.	for the State is 651. The insurance agency is	21.	•	
22.	447, giving us a total of 1,098.	22.	<u>c</u>	
23.	The number of code violations was 28.	23.		
24.	Uncorrected violations was 17.	24.	•	
25.	We do have a variance process in	25.	. CHAIRMAN MORELOCK: Okay.	
]	Page 10		Page
1.	place. The reporting period is from January	1.	. MR. BAILEY: So it was going to be	
2.	through March of 2016.	2.	. July 1, 2017, either way.	
3.	Updates: Total members that have of	3.	. CHAIRMAN MORELOCK: Okay.	
4.	funded boiler inspector position for the unit is	4.	. MR. BAILEY: So we figured we'd	
5.	14. And the Tennessee Boiler Safety Fall	5.	. separate that out and do that separately, do that	
	Conference is scheduled for September and,	6.		
6.				
6. 7.	-	l 7.		
7.	upcoming, is doing this meeting.	7.	. know these are good to go, then I'll start that	
7. 8.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay.	8.	know these are good to go, then I'll start thatprocess of doing a rulemaking hearing on the fee	
7. 8. 9.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And	8.	know these are good to go, then I'll start thatprocess of doing a rulemaking hearing on the fee increase.	
7. 8. 9.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report.	8. 9. 10.	 know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. 	
7. 8. 9. 10.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right.	8. 9. 10. 11.	 know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. 	
7. 8. 9. 10. 11.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir.	8. 9. 10. 11. 12.	 know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. 	
7. 8. 9. 10. 11. 12.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the	8. 9. 10. 11. 12. 13.	 know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the 	
7. 8. 9. 10. 11. 12.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report?	8. 9. 10. 11. 12. 13. 14.	 know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because 	
7. 8. 9. 10. 11. 12. 13. 14.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.)	8. 9. 10. 11. 12. 13. 14. 15.	 know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to 	
7. 8. 9. 10. 11. 12. 13. 14.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.) CHAIRMAN MORELOCK: Okay. Hearing	8. 9. 10. 11. 12. 13. 14. 15.	know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to make it more user friendly. And with the addition	
7. 8. 9. 10. 11. 12. 13. 14. 15.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.) CHAIRMAN MORELOCK: Okay. Hearing none, now I'll move on to Item V, which is old	8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	 know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to make it more user friendly. And with the addition of the code references and it's just going to 	
7. 8. 9. 0. 11. 2. 3. 4. 5. 6. 7. 8.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.) CHAIRMAN MORELOCK: Okay. Hearing none, now I'll move on to Item V, which is old business. And it's Item 15-20, Update on the	8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to make it more user friendly. And with the addition of the code references and it's just going to make it much easier for a new user of our rules to	
7. 8. 9. 0. 11. 2. 3. 4. 5. 6. 7. 8.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.) CHAIRMAN MORELOCK: Okay. Hearing none, now I'll move on to Item V, which is old	8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to make it more user friendly. And with the addition of the code references and it's just going to make it much easier for a new user of our rules to	
7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.) CHAIRMAN MORELOCK: Okay. Hearing none, now I'll move on to Item V, which is old business. And it's Item 15-20, Update on the	8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to make it more user friendly. And with the addition of the code references and it's just going to make it much easier for a new user of our rules to navigate through that, so we're pretty excited	
7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.) CHAIRMAN MORELOCK: Okay. Hearing none, now I'll move on to Item V, which is old business. And it's Item 15-20, Update on the Reorganization of Rule 0800-03-03.	8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19.	know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to make it more user friendly. And with the addition of the code references and it's just going to make it much easier for a new user of our rules to navigate through that, so we're pretty excited about that. So that's a great report. Thank you.	
7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.) CHAIRMAN MORELOCK: Okay. Hearing none, now I'll move on to Item V, which is old business. And it's Item 15-20, Update on the Reorganization of Rule 0800-03-03. MR. BAILEY: The rules have been	8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to make it more user friendly. And with the addition of the code references and it's just going to make it much easier for a new user of our rules to navigate through that, so we're pretty excited about that. So that's a great report. Thank you. Any questions about the rules?	
7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.) CHAIRMAN MORELOCK: Okay. Hearing none, now I'll move on to Item V, which is old business. And it's Item 15-20, Update on the Reorganization of Rule 0800-03-03. MR. BAILEY: The rules have been approved by the governor's office and the attorney general's office. I just got these this morning.	8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to make it more user friendly. And with the addition of the code references and it's just going to make it much easier for a new user of our rules to navigate through that, so we're pretty excited about that. So that's a great report. Thank you. Any questions about the rules? MR. GROSS: Jeremy Gross with	
7. 8.	upcoming, is doing this meeting. CHAIRMAN MORELOCK: Okay. CHIEF INSPECTOR CHAPMAN: And that's the chief's report. CHAIRMAN MORELOCK: All right. Thank you, sir. Any questions or comments about the chief's report? (No verbal response.) CHAIRMAN MORELOCK: Okay. Hearing none, now I'll move on to Item V, which is old business. And it's Item 15-20, Update on the Reorganization of Rule 0800-03-03. MR. BAILEY: The rules have been approved by the governor's office and the attorney	8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	know these are good to go, then I'll start that process of doing a rulemaking hearing on the fee increase. CHAIRMAN MORELOCK: Okay. MR. BAILEY: That's where we're at. CHAIRMAN MORELOCK: Very good. Very good. We appreciate your efforts and all the work to get that ready for publication. Because it's going to be an improvement. It's going to make it more user friendly. And with the addition of the code references and it's just going to make it much easier for a new user of our rules to navigate through that, so we're pretty excited about that. So that's a great report. Thank you. Any questions about the rules? MR. GROSS: Jeremy Gross with Valero. Once the rule change has been approved	

chairman Morelock: So I don't We typically at the boiler unit handle I don't know if that will be a mass email of the to check the website. The updated rules be published to the website so you can oad those, so MS. JEFFERSON: Yes. We have a mail contact. I believe Carlene maintains We can send that to the folks on the mass list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't	Page 13	1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	Tennessee. I've sent you-all, in advance, a package of information regarding this heat exchanger starting with a cover letter from my corporate letterhead. And it describes not only the heat exchanger but the intended use of the heat exchanger and its intended use location. This heat exchanger was originally designed and constructed in South Africa. The	Page 15
We typically at the boiler unit handle I don't know if that will be a mass email Dute to check the website. The updated rules of published to the website so you can oad those, so MS. JEFFERSON: Yes. We have a demail contact. I believe Carlene maintains we can send that to the folks on the mass list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		3. 4. 5. 6. 7. 8. 9.	package of information regarding this heat exchanger starting with a cover letter from my corporate letterhead. And it describes not only the heat exchanger but the intended use of the heat exchanger and its intended use location. This heat exchanger was originally designed and constructed in South Africa. The	
don't know if that will be a mass email of the to check the website. The updated rules be published to the website so you can food those, so MS. JEFFERSON: Yes. We have a semail contact. I believe Carlene maintains we can send that to the folks on the mass list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our the will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		4. 5. 6. 7. 8. 9.	exchanger starting with a cover letter from my corporate letterhead. And it describes not only the heat exchanger but the intended use of the heat exchanger and its intended use location. This heat exchanger was originally designed and constructed in South Africa. The	
ote to check the website. The updated rules be published to the website so you can coad those, so MS. JEFFERSON: Yes. We have a semail contact. I believe Carlene maintains We can send that to the folks on the mass list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		5. 6. 7. 8. 9.	corporate letterhead. And it describes not only the heat exchanger but the intended use of the heat exchanger and its intended use location. This heat exchanger was originally designed and constructed in South Africa. The	
e published to the website so you can oad those, so MS. JEFFERSON: Yes. We have a email contact. I believe Carlene maintains We can send that to the folks on the mass list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		6. 7. 8. 9.	the heat exchanger but the intended use of the heat exchanger and its intended use location. This heat exchanger was originally designed and constructed in South Africa. The	
oad those, so MS. JEFFERSON: Yes. We have a email contact. I believe Carlene maintains We can send that to the folks on the mass list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		7. 8. 9. 10.	heat exchanger and its intended use location. This heat exchanger was originally designed and constructed in South Africa. The	
MS. JEFFERSON: Yes. We have a smail contact. I believe Carlene maintains We can send that to the folks on the mass list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		8. 9. 10.	This heat exchanger was originally designed and constructed in South Africa. The	
email contact. I believe Carlene maintains We can send that to the folks on the mass list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		9. 10.	designed and constructed in South Africa. The	
We can send that to the folks on the mass list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		10.	_	
list. CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't			C . C.1 1 . 1 . 11	
CHAIRMAN MORELOCK: Okay. MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		11.	manufacturer of the heat exchanger, as you'll	
MS. JEFFERSON: And, also, our te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't			note, was LHL Engineering in South Africa. There	
te will be updated. CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		12.	is a certificate of construction in the pressure	
CHAIRMAN MORELOCK: Yes. MS. BENNETT: If you haven't		13.	vessel that was included in that package, and	
MS. BENNETT: If you haven't		14.	you'll see that it was designed with the intention	
		15.	of compliance with ASME Section VIII, Division 1	
		16.	at the time of its construction in the 1995	
, you can go to our website and opt in for		17.	edition.	
notifications. And we do email-blast		18.	According to the laws of South	
nation like that.		19.	Africa, as stated in my cover letter, the laws in	
CHAIRMAN MORELOCK: Okay. Very		20.	South Africa require compliance with the code with	
Any other questions?		21.	the exception of applying the ASME code civil	
(No verbal response.)		22.	stamp. And in addition, they also require	
CHAIRMAN MORELOCK: And for		23.	participation by a third-party inspection agency	
assandra's benefit, when you do speak, go		24.	similar to what we have here in the United States,	
and speak up so she can hear, because she's		25.	but actually, more appropriately, along the lines	
	Page 14			Page 16
a lot of work to capture everything we say.	rage 14	1.	of what's done under the pressure equipment	rage 10
o it's very important for her to be able to		2.	directive in Europe. And so this is a	
ou and know who you are.		3.	notified-body organization that participated in	
Moving on to Item VI, which is New		4.	this process. And that organization was Lloyd's	
ess, our first item is Item 16-07. Boiler		5.	Register. And so they had representatives at the	
Tech, LLC is requesting to designate and		6.	facility overseeing the construction and testing	
and operate a foreign-made, second-hand		7.	and inspection of this vessel as it was being	
xchanger as a Tennessee Special. And the		8.	produced.	
ment will be installed at the Buckman		9.	Once the vessel was completed and	
atories facility located in Memphis,		10.	released, it was sent to the facility owned by	
ssee.		11.	Buckman's Laboratory in Australia where it was	
So, Mr. Swezy, and for all that's		12.	installed and operated for a number of years.	
g ready to present, when you do come up to		13.	That facility no longer had use for that	
at, there's a table here. You've got a		14.	particular heat exchanger, and so the corporate	
e of chairs. If you need more, pull up more.		15.	ownership, I believe, decided that it would be	
your name and then present your item and		16.	repurposed and shipped to the Memphis facility for	
-		17.	installation and use under a slightly different	
e ii act upon that.		18.	operating and systemic purpose.	
ve'll act upon that. So, John, come on ahead.		19.		
So, John, come on ahead.		20.		
So, John, come on ahead. MR. SWEZY: Again, my name is John		21.		
So, John, come on ahead. MR. SWEZY: Again, my name is John I'm president of Boiler Code Tech, LLC,		22.	• • • •	
So, John, come on ahead. MR. SWEZY: Again, my name is John I'm president of Boiler Code Tech, LLC, d in Titusville, Florida. I've been engaged				
So, John, come on ahead. MR. SWEZY: Again, my name is John I'm president of Boiler Code Tech, LLC, d in Titusville, Florida. I've been engaged half of Buckman Laboratories to present this		45.	* * * * * * * * * * * * * * * * * * *	
So, John, come on ahead. MR. SWEZY: Again, my name is John I'm president of Boiler Code Tech, LLC, d in Titusville, Florida. I've been engaged half of Buckman Laboratories to present this of for acceptance of this heat exchanger for		24.		
So, John, come on ahead. MR. SWEZY: Again, my name is John I'm president of Boiler Code Tech, LLC, d in Titusville, Florida. I've been engaged half of Buckman Laboratories to present this			assistance in getting this presented to the State for consideration as a State Special for a number	
	IR. SWEZY: Again, my name is John n president of Boiler Code Tech, LLC,	IR. SWEZY: Again, my name is John n president of Boiler Code Tech, LLC, Fitusville, Florida. I've been engaged of Buckman Laboratories to present this	IR. SWEZY: Again, my name is John president of Boiler Code Tech, LLC, Itusville, Florida. I've been engaged f Buckman Laboratories to present this 19. 20.	IR. SWEZY: Again, my name is John 19. And so at that point in time, they 20. shipped it with the documentation that was 21. available. And then in the process of trying to 22. figure out what was necessary to properly operate 23. this piece of equipment, they contacted me for

		Page 17		Page 1
1.	of reasons. Number 1, because it does not have an	ruge 17	1.	as specified in the request for a second-hand
2.	ASME code stamp. And because of the fact that		2.	installation.
3.	it's being brought in from outside of the United		3.	And so with that presentation, I
4.	States, it was another area where they wanted to		4.	would ask that you would consider granting it
5.	make sure it was properly addressed before the		5.	State Special status for installation and
6.	board so that you can properly consider its safety		6.	operation pursuant to the logistical things that
7.	and purpose for what is intended.		7.	need to be done, including the site inspections
8.	In this package, I included not only		8.	and the designation and marking of the vessel
9.	the Certificate of Construction for the pressure		9.	appropriately.
10.	vessel but also the Lloyd's Register statement,		10.	CHAIRMAN MORELOCK: Okay. Do I
11.	their certification of this vessel as it was being		11.	have a motion?
12.	produced.		12.	MR. BAUGHMAN: Motion made.
13.	You'll also find that I included a		13.	CHAIRMAN MORELOCK: Okay. So I
13. 14.	copy of the second-hand permit, listing a		14.	have a motion. Do I have a second?
1 4 . 15.	description of the actual heat exchanger itself.		15.	DR. JOHNSON: Second.
	· ·		l	
16.	There was also a photocopy of the photograph taken of the perpendicts of this years as you could see		16.	CHAIRMAN MORELOCK: Okay. I have a
17.	of the nameplate of this vessel so you could see		17.	second, so discussion? I'm opening the floor for
18.	all of its original certifications.		18.	any questions or comments of Mr. Swezy.
19.	In addition to that, there's also a		19.	MR. ROBINSON: Mr. Swezy, a couple
20.	report from an organization called Stronghold		20.	of questions came to mind. Unfortunately, when I
21.	Inspection that did a very detailed visual and		21.	had gotten Lloyd's Register I guess it would be
22.	nondestructive examination inspection. The		22.	a CFC mine was cropped off. But then Chairman
23.	nondestructive examination was limited to do a		23.	had given me his copy, and it says at the bottom,
24.	UT thickness verification of the thicknesses of		24.	"This certificate is subject to the terms and
25.	the heat exchanger itself. And so that report is		25.	conditions overleaf, which form a part of this
		Page 18		Page 2
1.	included. It shows you all of the photographs		1.	certificate."
2.	that were taken. It makes note of any of the		2.	Is that available?
3.	conditions that were found.		3.	MR. SWEZY: It was not made
4.	And then there's a map of the		4.	available to me, sir. And I think that that
5.	thickness readings that were taken. And you'll		5.	overleaf was just a typical type of statement that
6.	find that all those thickness readings are then		6.	you find at the bottom of an ASME data report
7.	recorded with those map coordinates.		7.	where it's trying to provide a disclaimer of any
8.	And then following that there is a		8.	liability on the part of Lloyd's. All they're
9.	set of the original ASME code calculations that		9.	doing is certifying compliance with the code and
10.	were performed by the design engineer at the time		10.	not accepting any liability. So that's my belief
11.	of its design. And I have taken the liberty of		11.	that that's what that overleaf contains.
12.	hopefully clarifying these calculations by going		12.	And I apologize for your copy not
13.	through and annotating the U.S. unit equivalence		13.	coming out correctly.
13. 14.	for all of the measurements and pressures and		14.	MR. ROBINSON: No, no. It's okay.
14. 15.	temperatures that are shown in these calculations		15.	It's okay. And the reason for my question on that
	•		I	· · · · · · · · · · · · · · · · · · ·
16.	just to make them a little bit more intuitive for		16.	is because since I really don't have any objective
17.	you as you review it. And hopefully, as you have		17.	evidence of quality, then I'm relying solely on
18.	reviewed this, you've seen that everything at the		18.	Lloyd's Register
19.	time of the design was acceptable and hopefully,		19.	MR. SWEZY: Absolutely. I
20.	in comparison with the thickness reports that were		20.	understand.
21.	generated by Stronghold, you'll see that the		21.	MR. ROBINSON: to make my
22.	amount of thickness loss is very minimal and that		22.	opinion. And
23.	this heat exchanger is in good condition. And I		23.	MR. SWEZY: I'm not sure if you're
	believe that it presents as a vessel that is		24.	familiar with how the pressure equipment directive
24.			25.	works.
24. 25.	perfectly safe for operation at its intended use		120.	

	Page	21		Page 2
1.	MR. ROBINSON: PED?	1.	historical inspection records for this vessel, as	C
2.	MR. SWEZY: Yeah.	2.	well. And so that's why we had to rely on the	
3.	MR. ROBINSON: Yes, sir.	3.	current inspection performed by Stronghold to	
4.	MR. SWEZY: Okay.	4.	verify the condition of the heat exchanger. And	
5.	MR. ROBINSON: A little bit.	5.	you, hopefully, will note that that condition	
6.	MR. SWEZY: All right. So you'll	6.	appears to be very good based on Stronghold's	
7.	know that the function is carried out by a third	7.	inspection.	
8.	party in the PED directive they call them a	8.	So this is a situation where this	
9.	notified body in the PED are much more invasive	9.	particular vessel did not have the depth of	
0.	than they are for ASME. And, in fact, they	10.	documentation that I would have liked to have	
1.	require more direct involvement of the third-party	11.	seen, but it's got sufficient documentation, in my	
2.	organization than ASME does. For example, they	12.	opinion, that I think that it's been verified to	
3.	require third-party witnessing of all of the	13.	be safe for operation.	
٥. 4.	welding procedure qualifications, whereas ASME	14.	MR. ROBINSON: Let me ask you, are	
5.	does not. They only require an inspector review	15.	you guys prepared to make any PMI evaluations or	
5. 6.	of the documentation.	16.	any other evaluations? I've seen where Stronghold	
		17.	performed a visual but they made no reference to	
7. 8.	They also require a third-party witnessing of the qualification demonstrations for	18.	welding or the volumetric capabilities of any of	
8. 9.	nondestructive examiners, whereas ASME does not.	19.	• • • • • • • • • • • • • • • • • • • •	
			the welds or anything like that.	
0.	They only require an inspector document review. There are also additional essential	20.	MR. SWEZY: Typically, that kind of	
1.		21.	additional verifications are not performed by an	
2.	safety requirements that are over and above what	22.	organization like Stronghold. They're only really	
3.	is required by ASME. So I am very confident that	23.	engaged to try to gauge the current condition of	
4.	the work performed by Lloyd's Register easily	24.	such a vessel, including the thickness inspections	
5.	meets the ASME minimum verification requirements	25.	and whatever document reviews they can, and	
	Page	22		Page
1.	for quality, if not exceeding.	1.	examining all of the welds visually. But	
2.	MR. ROBINSON: Let me ask you, are	2.	generally, they don't go to the extent of doing	
3.	their records available to put together with this	3.	volumetric examination of welds unless there's	
4.	package as a dossier?	4.	reason to suspect a need for doing so, such as	
5.	MR. SWEZY: I do not know to what	5.	MR. ROBINSON: Their report	
6.	extent such records are available. All I have is	6.	their report didn't even define if they had	
7.	what's been given me. I don't even know if the	7.	performed a visual of welding. It said a visual	
8.	original manufacturer is still in business in	8.	in a general characteristic, but not weld	
9.	South Africa. I can tell you from my personal	9.	inspection.	
0.	experience, having been to South Africa in the	10.	MR. SWEZY: I can understand that	
	last couple of years, that their economic climate	11.	that report did not go into that detail very	
1. 2.	is very, very poor and it's very likely that this	12.	thoroughly because it was more concerned with	
3.	manufacturer may not be in existence any longer.	13.	verifying thickness in terms of the actual report	
4.	So it's possible that it might be difficult to	14.	process, so I don't know how to respond to that	
5.	come up with much more records than we've already	15.	particular comment, other than to say that it was	
6. -	been given. And, in fact, when I was sent the	16.	not readily apparent that there was a need for	
7.	information package that I was sent, I asked the	17.	further nondestructive examination to verify the	
8.	owner if he could produce anything more at all	18.	fitness for service of this vessel because of its	
9.	because, as you've recognized, probably, the	19.	appearance at the time of the inspection.	
	quality of this drawing is not good.	20.	MR. ROBINSON: Yes, sir. Thank	
	MR. ROBINSON: No, sir.	21.	you.	
1.		22.	CHAIRMAN MORELOCK: Any other	
1.	MR. SWEZY: And the quality of the	1		
1. 2.		23.	questions?	
0. 1. 2. 3. 4.	MR. SWEZY: And the quality of the		questions? MR. BAUGHMAN: I don't bring a lot	

		Page 25			Page 27
1.	thicknesses and what have you, but I bring concern	1 age 23	1.	So my comments are as follows: What	Tage 27
2.	of a 21-year-old vessel being manufactured out of		2.	I did I didn't do a rigorous analysis, but I	
3.	the country with somewhat limited documentation.		3.	did do a basic compressed model of this vessel,	
4.	And the nomenclature or the verbiage of the		4.	this heat exchanger, including the expansion joint	
5.	exchanger was constructed generally in accordance		5.	and everything. I didn't put all the nozzles and	
6.	with the requirements. That word "generally" is		6.	stuff in because they were small, but all the	
7.	somewhat open-ended to me.		7.	primary pressure components, I did analyze, and it	
8.	But that was just having general		8.	does satisfy the 1995 edition of the ASME code.	
9.	concerns with it and so relying upon more		9.	I talked to Mr. Swezy to let him	
10.	expertise within other board members to bring some		10.	understand that in the state of Tennessee, a	
11.	more to the table on it.		11.	vessel built prior to 1998 was designed under ASME	
12.	DR. JOHNSON: I read it as though		12.	code when the design margin was 4.0. In 1998 the	
13.	the word "generally" was to take into account that		13.	code was changed to allow higher allowable	
14.	there was no stamp. Otherwise		14.	stresses and reduce that design margin to 3.5. So	
15.	MR. SWEZY: That was the		15.	a board case was processed by this board to say,	
16.	intention		16.	"We're not going to allow an owner/user or an	
17.	DR. JOHNSON: Otherwise, everything		17.	agent of an owner/user to do a paper re-rate of an	
18.	I see here is rigorous and I have seen things that		18.	older pressure vessel to take advantage of higher	
19.	have come with much less good documentation than		19.	allowable stresses.	
20.	what this one has come with.		20.	And so I wanted to let him	
21.	MR. SWEZY: Yeah. And if you'll		21.	understand. That's why he has reevaluated his	
22.	note		22.	work to the 1995 edition of the code, using the	
23.	DR. JOHNSON: We're going back to		23.	4.0 design margin. My compressed model was done	
24.	the origin of this vessel which I think is very		24.	to the 1995 edition of the code as well.	
25.	strong.		25.	And so the thicknesses that I	
23.	strong.		23.	The so the theknesses that I	
l			I		1
		Page 26			Dage 28
1	CHAIRMAN MOREI OCK: Wall and to	Page 26	1	calculated correspond to the thicknesses that are	Page 28
1.	CHAIRMAN MORELOCK: Well, and to	Page 26	1.	calculated correspond to the thicknesses that are	Page 28
2.	speak to that comment, even today, an owner/user	Page 26	2.	in these original calculations, so I do feel the	Page 28
2. 3.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can	Page 26	2. 3.	in these original calculations, so I do feel the vessel is safe.	Page 28
2. 3. 4.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped.	Page 26	2. 3. 4.	in these original calculations, so I do feel the vessel is safe. So then it comes down to	Page 28
2. 3. 4. 5.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or	Page 26	2. 3. 4. 5.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you	Page 28
2. 3. 4. 5. 6.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel	Page 26	2. 3. 4. 5. 6.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the	Page 28
2. 3. 4. 5. 6. 7.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation	Page 26	2. 3. 4. 5. 6. 7.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the	Page 28
2. 3. 4. 5. 6. 7. 8.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like	Page 26	2. 3. 4. 5. 6. 7. 8.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today	Page 28
2. 3. 4. 5. 6. 7. 8. 9.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code	Page 26	2. 3. 4. 5. 6. 7. 8. 9.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance	Page 26	2. 3. 4. 5. 6. 7. 8. 9.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it."	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know,	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I agree with your comment; however, you need to	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's physical inspection of the vessel and them	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I agree with your comment; however, you need to realize that even under the ASME code process,	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's physical inspection of the vessel and them agreeing that the vessel is safe to operate in the	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I agree with your comment; however, you need to realize that even under the ASME code process, this vessel was built in 1995, so the record	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's physical inspection of the vessel and them agreeing that the vessel is safe to operate in the state of Tennessee. So I did want to state that.	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I agree with your comment; however, you need to realize that even under the ASME code process, this vessel was built in 1995, so the record retention requirements are long gone, you know,	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's physical inspection of the vessel and them agreeing that the vessel is safe to operate in the state of Tennessee. So I did want to state that. I guess just some grammar concerns,	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I agree with your comment; however, you need to realize that even under the ASME code process, this vessel was built in 1995, so the record retention requirements are long gone, you know, under any system after 21 years. So it would be	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's physical inspection of the vessel and them agreeing that the vessel is safe to operate in the state of Tennessee. So I did want to state that. I guess just some grammar concerns, on page 1 of 4 of your report, in the second	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I agree with your comment; however, you need to realize that even under the ASME code process, this vessel was built in 1995, so the record retention requirements are long gone, you know, under any system after 21 years. So it would be nice if manufacturers would keep the records, but	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's physical inspection of the vessel and them agreeing that the vessel is safe to operate in the state of Tennessee. So I did want to state that. I guess just some grammar concerns, on page 1 of 4 of your report, in the second paragraph, it says, "The heat exchanger in	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I agree with your comment; however, you need to realize that even under the ASME code process, this vessel was built in 1995, so the record retention requirements are long gone, you know, under any system after 21 years. So it would be nice if manufacturers would keep the records, but they're not required to keep those records, so	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's physical inspection of the vessel and them agreeing that the vessel is safe to operate in the state of Tennessee. So I did want to state that. I guess just some grammar concerns, on page 1 of 4 of your report, in the second paragraph, it says, "The heat exchanger in question is a vertical shell and tube condenser,	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I agree with your comment; however, you need to realize that even under the ASME code process, this vessel was built in 1995, so the record retention requirements are long gone, you know, under any system after 21 years. So it would be nice if manufacturers would keep the records, but they're not required to keep those records, so then you're relying on this report that Mr. Swezy	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's physical inspection of the vessel and them agreeing that the vessel is safe to operate in the state of Tennessee. So I did want to state that. I guess just some grammar concerns, on page 1 of 4 of your report, in the second paragraph, it says, "The heat exchanger in question is a vertical shell and tube condenser, designed for single pass flow heat with fixed	Page 28
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	speak to that comment, even today, an owner/user of a pressure vessel in the state of Tennessee can have a vessel built to ASME code and not stamped. I mean, you can if it's 15 PSIG or less or 5 cubic feet or less, they can have that vessel built to ASME code. It's exempt from regulation by the State of Tennessee. And if they feel like it's going to save them some money not to code stamp it, they can get a certificate of compliance from the manufacturer saying, "We have met all the requirements of the code. We're just not putting that ASME mark on it." And so I think Mr. Swezy is trying to help us see that that's been done. And, you know, Eugene, to your concern about documentation, I agree with your comment; however, you need to realize that even under the ASME code process, this vessel was built in 1995, so the record retention requirements are long gone, you know, under any system after 21 years. So it would be nice if manufacturers would keep the records, but they're not required to keep those records, so	Page 26	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	in these original calculations, so I do feel the vessel is safe. So then it comes down to documentation. As far as documentation goes, you do have an inspection report, but that's not the end-all to this vessel. Our approval the Tennessee Board's approval of this vessel today must be contingent on an inspection by the chief inspector of the State of Tennessee or his designated agent, deputy inspector, whoever he chooses to physically go out and inspect that vessel. And he may even require a hydrostatic test before the unit goes into service. So our approval will be a technical approval of the documentation contingent on the boiler unit's physical inspection of the vessel and them agreeing that the vessel is safe to operate in the state of Tennessee. So I did want to state that. I guess just some grammar concerns, on page 1 of 4 of your report, in the second paragraph, it says, "The heat exchanger in question is a vertical shell and tube condenser,	Page 28

little bit. MR. SWEZY: This particular package was put together at the last minute to try to meet the submission deadline and so it was a little asty. CHAIRMAN MORELOCK: Oh, I anderstand. I understand. So you may MR. SWEZY: I apologize for that. CHAIRMAN MORELOCK: That's okay. You may want to clean that up just a little bit. The other interesting thing about this exchanger is the manufacturer penalized themselves I hope unknowingly but the tubes in this vessel were modeled as piping. And not to set into a big, technical discussion, but when you will something out of pipe, the code requires you take a 12-1/2 percent undertolerance hit on the nickness. So these tubes are thicker than they seally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make the that there's no repairs or alterations to the	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	And so as long as you understand those constraints for a Tennessee Special, that's the extent of my comments. Okay? MR. SWEZY: Just a couple of quick things I would like to say in response to especially Mr. Robinson. In a previous employment situation, I was a pressure safety engineer at Oakridge National Laboratory. And we were tasked with verifying the safety for continued operation for a number of pressure vessels that were installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	Page 31
cas put together at the last minute to try to meet the submission deadline and so it was a little asty. CHAIRMAN MORELOCK: Oh, I anderstand. I understand. So you may MR. SWEZY: I apologize for that. CHAIRMAN MORELOCK: That's okay. You may want to clean that up just a little bit. The other interesting thing about a little bit. The other interesting the little bit. The other intere	3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	MR. SWEZY: Just a couple of quick things I would like to say in response to especially Mr. Robinson. In a previous employment situation, I was a pressure safety engineer at Oakridge National Laboratory. And we were tasked with verifying the safety for continued operation for a number of pressure vessels that were installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
CHAIRMAN MORELOCK: Oh, I Inderstand. I understand. So you may MR. SWEZY: I apologize for that. CHAIRMAN MORELOCK: That's okay. You may want to clean that up just a little bit. The other interesting thing about his exchanger is the manufacturer penalized hemselves I hope unknowingly but the tubes he this vessel were modeled as piping. And not to tet into a big, technical discussion, but when you have a 12-1/2 percent undertolerance hit on the hickness. So these tubes are thicker than they heally need to be based on their original halculations. So that's a plus on our side. And then the other thing is the hoiler unit's inspection will also need to kind of ho over the vessel with a fine-tooth comb to make	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	MR. SWEZY: Just a couple of quick things I would like to say in response to especially Mr. Robinson. In a previous employment situation, I was a pressure safety engineer at Oakridge National Laboratory. And we were tasked with verifying the safety for continued operation for a number of pressure vessels that were installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
CHAIRMAN MORELOCK: Oh, I Inderstand. I understand. So you may MR. SWEZY: I apologize for that. CHAIRMAN MORELOCK: That's okay. You may want to clean that up just a little bit. The other interesting thing about his exchanger is the manufacturer penalized hemselves I hope unknowingly but the tubes he this vessel were modeled as piping. And not to tet into a big, technical discussion, but when you wild something out of pipe, the code requires you to take a 12-1/2 percent undertolerance hit on the hickness. So these tubes are thicker than they really need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	things I would like to say in response to especially Mr. Robinson. In a previous employment situation, I was a pressure safety engineer at Oakridge National Laboratory. And we were tasked with verifying the safety for continued operation for a number of pressure vessels that were installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
CHAIRMAN MORELOCK: Oh, I Inderstand. I understand. So you may MR. SWEZY: I apologize for that. CHAIRMAN MORELOCK: That's okay. You may want to clean that up just a little bit. The other interesting thing about his exchanger is the manufacturer penalized hemselves I hope unknowingly but the tubes his this vessel were modeled as piping. And not to let into a big, technical discussion, but when you hild something out of pipe, the code requires you ho take a 12-1/2 percent undertolerance hit on the hickness. So these tubes are thicker than they heally need to be based on their original halculations. So that's a plus on our side. And then the other thing is the hoiler unit's inspection will also need to kind of ho over the vessel with a fine-tooth comb to make	6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	especially Mr. Robinson. In a previous employment situation, I was a pressure safety engineer at Oakridge National Laboratory. And we were tasked with verifying the safety for continued operation for a number of pressure vessels that were installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
MR. SWEZY: I apologize for that. CHAIRMAN MORELOCK: That's okay. Ou may want to clean that up just a little bit. The other interesting thing about his exchanger is the manufacturer penalized hemselves I hope unknowingly but the tubes his this vessel were modeled as piping. And not to eet into a big, technical discussion, but when you hild something out of pipe, the code requires you ho take a 12-1/2 percent undertolerance hit on the hickness. So these tubes are thicker than they heally need to be based on their original halculations. So that's a plus on our side. And then the other thing is the hoiler unit's inspection will also need to kind of ho over the vessel with a fine-tooth comb to make	7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	situation, I was a pressure safety engineer at Oakridge National Laboratory. And we were tasked with verifying the safety for continued operation for a number of pressure vessels that were installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
MR. SWEZY: I apologize for that. CHAIRMAN MORELOCK: That's okay. You may want to clean that up just a little bit. The other interesting thing about his exchanger is the manufacturer penalized hemselves I hope unknowingly but the tubes he this vessel were modeled as piping. And not to het into a big, technical discussion, but when you have a 12-1/2 percent undertolerance hit on the hickness. So these tubes are thicker than they heally need to be based on their original halculations. So that's a plus on our side. And then the other thing is the hoiler unit's inspection will also need to kind of ho over the vessel with a fine-tooth comb to make	8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	Oakridge National Laboratory. And we were tasked with verifying the safety for continued operation for a number of pressure vessels that were installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
CHAIRMAN MORELOCK: That's okay. You may want to clean that up just a little bit. The other interesting thing about his exchanger is the manufacturer penalized hemselves I hope unknowingly but the tubes in this vessel were modeled as piping. And not to let into a big, technical discussion, but when you will something out of pipe, the code requires you have a 12-1/2 percent undertolerance hit on the mickness. So these tubes are thicker than they leally need to be based on their original laculations. So that's a plus on our side. And then the other thing is the loiler unit's inspection will also need to kind of loo over the vessel with a fine-tooth comb to make	9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	with verifying the safety for continued operation for a number of pressure vessels that were installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
The other interesting thing about his exchanger is the manufacturer penalized hemselves I hope unknowingly but the tubes in this vessel were modeled as piping. And not to set into a big, technical discussion, but when you wild something out of pipe, the code requires you take a 12-1/2 percent undertolerance hit on the hickness. So these tubes are thicker than they heally need to be based on their original halculations. So that's a plus on our side. And then the other thing is the hoiler unit's inspection will also need to kind of ho over the vessel with a fine-tooth comb to make	10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	with verifying the safety for continued operation for a number of pressure vessels that were installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
The other interesting thing about his exchanger is the manufacturer penalized hemselves I hope unknowingly but the tubes in this vessel were modeled as piping. And not to set into a big, technical discussion, but when you wild something out of pipe, the code requires you take a 12-1/2 percent undertolerance hit on the nickness. So these tubes are thicker than they seally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	installed at Oakridge. And so in the process of doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
nis exchanger is the manufacturer penalized nemselves I hope unknowingly but the tubes n this vessel were modeled as piping. And not to et into a big, technical discussion, but when you uild something out of pipe, the code requires you take a 12-1/2 percent undertolerance hit on the nickness. So these tubes are thicker than they eally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	doing so, we went through an extensive search and inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
nis exchanger is the manufacturer penalized nemselves I hope unknowingly but the tubes n this vessel were modeled as piping. And not to et into a big, technical discussion, but when you uild something out of pipe, the code requires you take a 12-1/2 percent undertolerance hit on the nickness. So these tubes are thicker than they eally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	inventory generation of all of the pressure vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
at this vessel were modeled as piping. And not to set into a big, technical discussion, but when you wild something out of pipe, the code requires you take a 12-1/2 percent undertolerance hit on the nickness. So these tubes are thicker than they sally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	vessels. And out of all of the ones we found, we found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
at this vessel were modeled as piping. And not to set into a big, technical discussion, but when you wild something out of pipe, the code requires you take a 12-1/2 percent undertolerance hit on the nickness. So these tubes are thicker than they sally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	15. 16. 17. 18. 19. 20. 21. 22. 23.	found, like, 1,600 that we needed to review and document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
et into a big, technical discussion, but when you uild something out of pipe, the code requires you o take a 12-1/2 percent undertolerance hit on the nickness. So these tubes are thicker than they eally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	16. 17. 18. 19. 20. 21. 22. 23.	document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
uild something out of pipe, the code requires you o take a 12-1/2 percent undertolerance hit on the nickness. So these tubes are thicker than they eally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	17. 18. 19. 20. 21. 22. 23.	document. And out of those 1,600, probably greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
o take a 12-1/2 percent undertolerance hit on the nickness. So these tubes are thicker than they eally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	18. 19. 20. 21. 22. 23.	greater than half of them either had no code stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
alculations. So these tubes are thicker than they eally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	18. 19. 20. 21. 22. 23.	stamp, no manufacturer's data report, no documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
eally need to be based on their original alculations. So that's a plus on our side. And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	19. 20. 21. 22. 23.	documentation of any kind, and so we did a lot of reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	20. 21. 22. 23.	reverse engineering. And so for every one of those pressure vessels and I mean every single one we went through a UT thickness survey. I	
And then the other thing is the oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	21. 22. 23.	those pressure vessels and I mean every single one we went through a UT thickness survey. I	
oiler unit's inspection will also need to kind of o over the vessel with a fine-tooth comb to make	22. 23.	one we went through a UT thickness survey. I	
o over the vessel with a fine-tooth comb to make	23.	•	
	1	did reverse engineering calculations, assigning	
are that there's no repairs of afterations to the	24.	the most conservative, allowable stress that I	
essels that are not documented.	25.		
Page 30			Page 32
	1.	_	
	1		
	3.		
· · · · · · · · · · · · · · · · · · ·	1		
	5.		
-	6.	•	
•	1	•	
	8.		
	9.		
ne conditions of approval of a Tennessee Special.	10.	•	
SME code pressure vessels in the state of	11.	by Stronghold and by the application of these	
ennessee, if they need to be repaired, they go to	12.	calculations to make sure that it's as good as it	
n authorized inspection agency and work through	13.	can be.	
n R Stamp holder to get that done.	14.	The other thing that I wanted to	
	15.	point out is that whenever someone says that a	
epairs if it's just fixing a cracked weld or	16.	vessel is built in accordance with ASME with the	
	17.	exception of applying the nameplate, that throws	
go through the boiler unit, through the chief	18.	up huge red flags for me. Okay? Having	
aspector of the State of Tennessee, for approval	19.	previously been a staff technical expert for	
rior to implementation of those repairs.	20.	Hartford Steam Boiler Inspection and Insurance,	
Alterations require you to come	21.	whenever somebody said that they wanted to do	
efore the Tennessee Board for any alteration	22.	that, my response was always, "That's a sucker's	
ork. And that can be a hardship at times because	23.	bet." Because when you don't apply a code simple	
ve meet quarterly, so if there was an emergency	24.	stamp, you don't have assurance that all aspects	
Iteration, it would have to come to the board.	25.	of the code have been applied.	
	Page 30 Now, this is a Tennessee Special, so doesn't really it's not going to impede the rocess of it being a Tennessee Special, but you ant to verify that the repairs were done roperly. CHIEF INSPECTOR CHAPMAN: Right. CHAIRMAN MORELOCK: And so the only sting I have for you, Mr. Swezy, and to close my somments, you and your client need to understand the conditions of approval of a Tennessee Special. SME code pressure vessels in the state of tennessee, if they need to be repaired, they go to an authorized inspection agency and work through the R Stamp holder to get that done. With a Tennessee Special, all tenairs if it's just fixing a cracked weld or something, or a major repair all repairs have to go through the boiler unit, through the chief spector of the State of Tennessee, for approval trior to implementation of those repairs. Alterations require you to come effore the Tennessee Board for any alteration ork. And that can be a hardship at times because the meet quarterly, so if there was an emergency teration, it would have to come to the board.	Page 30 Now, this is a Tennessee Special, so doesn't really it's not going to impede the rocess of it being a Tennessee Special, but you ant to verify that the repairs were done roperly. CHIEF INSPECTOR CHAPMAN: Right. CHAIRMAN MORELOCK: And so the only sing I have for you, Mr. Swezy, and to close my omments, you and your client need to understand the conditions of approval of a Tennessee Special. SME code pressure vessels in the state of ennessee, if they need to be repaired, they go to an authorized inspection agency and work through the R Stamp holder to get that done. With a Tennessee Special, all spairs if it's just fixing a cracked weld or omething, or a major repair all repairs have to go through the boiler unit, through the chief spector of the State of Tennessee, for approval rior to implementation of those repairs. Alterations require you to come effore the Tennessee Board for any alteration ork. And that can be a hardship at times because the meet quarterly, so if there was an emergency teration, it would have to come to the board.	Page 30 Now, this is a Tennessee Special, so doesn't really it's not going to impede the rocess of it being a Tennessee Special, but you ant to verify that the repairs were done roperly. CHIEF INSPECTOR CHAPMAN: Right. CHAIRMAN MORELOCK: And so the only sing I have for you, Mr. Swezy, and to close my emments, you and your client need to understand the conditions of approval of a Tennessee Special. SME code pressure vessels in the state of ennessee, if they need to be repaired, they go to authorized inspection agency and work through a R Stamp holder to get that done. With a Tennessee Special, all epairs if it's just fixing a cracked weld or omething, or a major repair all repairs have to go through the boiler unit, through the chief is spector of the State of Tennessee, for approval rior to implementation of those repairs. Alterations require you to come effore the Tennessee Board for any alteration ork. And that can be a hardship at times because the meet quarterly, so if there was an emergency 1. construction, verified the remaining life of the vessel, and then assigned an inspection interval based upon that calculated remaining life. 2. And I went through a similar process with this vessel in trying to verify its safety. And, you know, I fully understand that, you know, maybe the documentation isn't all that it should she, but I think that we have gone to the point of verifying to the best of our ability its current state based on objective evidence that's presented 11. by Stronghold and by the application of these calculations to make sure that it's as good as it can be. 12. The other thing that I wanted to point out is that whenever someone says that a vescel is built in accordance with ASME with the vescel in the remaining life of the vessel, and then assigned an inspection interval based upon that calculated remaining life. And I went through a similar process with this vessel in trying to verify its safety. And I went through a similar proces with this vessel in trying to verify its

		Page 33		Page 35
1.	Well, the difference in this	1 450 33	1.	CHAIRMAN MORELOCK: Okay. So we
2.	situation is the law of South Africa does not		2.	have a motion to accept this vessel as a Tennessee
3.	require the application of a code stamp, but it		3.	Special contingent on inspection and testing
4.	still requires the complete and full involvement		4.	requirements from the boiler unit. So any other
5.	of this inspection agency to carry out all tasks		5.	discussion or comments?
6.	of the authorized inspector. And so that gap of		6.	(No verbal response.)
7.	not knowing whether you may or may not have		7.	CHAIRMAN MORELOCK: I'm going to
8.	applied all aspects of the code has been covered		8.	call the question. All in favor say, "Aye."
9.	because that inspection agency is now required to		9.	DR. JOHNSON: Aye.
10.	certify compliance with the code. And like I		10.	MR. BAUGHMAN: Aye.
11.	said, they do so in a manner that's more typical		11.	CHAIRMAN MORELOCK: Opposed?
12.	of the PED, so I think it's been a more diligent		12.	MR. ROBINSON: One.
13.	process that we may have had with the type of		13.	MS. BENNETT: Conflicts?
14.	inspection that's done under ASME, which is not		14.	CHAIRMAN MORELOCK: Thank you.
15.	you know, it's not inadequate under ASME. It's		15.	Conflicts of interest?
16.	just not as invasive.		16.	(No verbal response.)
17.	So I feel pretty confident of the		17.	CHAIRMAN MORELOCK: Okay. All
18.	condition of this exchanger, and I think that it		18.	right. So opposed?
19.	will be verified by the inspection, when it's done		19.	MR. ROBINSON: (Indicating.)
20.	by the state inspector for the initial		20.	CHAIRMAN MORELOCK: One opposition.
21.	installation, that it will bear out to be		21.	Abstentions, not voting?
22.	everything that we think that it is.		22.	(No verbal response.)
23.	MR. ROBINSON: Thank you.		23.	CHAIRMAN MORELOCK: So we have two
24.	CHAIRMAN MORELOCK: Any other		24.	yeas and one nay, and so that's not necessarily a
25.	questions or comments?		25.	tie. Is that going to be sufficient, Mr. Bailey,
	•			
		Page 34		Page 36
1.	MR. BAUGHMAN: The only other	Page 34	1.	Page 36 for a passage?
1. 2.	MR. BAUGHMAN: The only other comment I had, I was just asking again and making	Page 34	1. 2.	-
1	•	Page 34		for a passage?
2.	comment I had, I was just asking again and making	Page 34	2.	for a passage? MR. BAILEY: As long as there's a
2. 3.	comment I had, I was just asking again and making sure that I had confirmation. There have been no	Page 34	2. 3.	for a passage? MR. BAILEY: As long as there's a quorum, yes.
2. 3. 4.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all?	Page 34	2. 3. 4.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All
2. 3. 4. 5.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this	Page 34	2. 3. 4. 5.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes.
2. 3. 4. 5. 6.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger.	Page 34	2. 3. 4. 5. 6.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you.
2. 3. 4. 5. 6. 7.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay.	Page 34	2. 3. 4. 5. 6. 7.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay.
2. 3. 4. 5. 6. 7. 8.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either.	Page 34	2. 3. 4. 5. 6. 7. 8.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a
2. 3. 4. 5. 6. 7. 8. 9. 10.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no	Page 34	2. 3. 4. 5. 6. 7. 8. 9.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a
2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The
2. 3. 4. 5. 6. 7. 8. 9. 10.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay.	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis,
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design?	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee."
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me?	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee." And so before we start this item, are
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me? MR. ROBINSON: The skew of nozzles are part of the design? MR. SWEZY: Yes. They're there to	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee."
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me? MR. ROBINSON: The skew of nozzles are part of the design? MR. SWEZY: Yes. They're there to provide for adequate drainage and ullage as the	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee." And so before we start this item, are there any conflicts of interest? (No verbal response.)
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me? MR. ROBINSON: The skew of nozzles are part of the design? MR. SWEZY: Yes. They're there to provide for adequate drainage and ullage as the vessel is being drained or filled or whatever. So	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee." And so before we start this item, are there any conflicts of interest? (No verbal response.) CHAIRMAN MORELOCK: All right.
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me? MR. ROBINSON: The skew of nozzles are part of the design? MR. SWEZY: Yes. They're there to provide for adequate drainage and ullage as the vessel is being drained or filled or whatever. So it's part of the design of the vessel to have	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee." And so before we start this item, are there any conflicts of interest? (No verbal response.)
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me? MR. ROBINSON: The skew of nozzles are part of the design? MR. SWEZY: Yes. They're there to provide for adequate drainage and ullage as the vessel is being drained or filled or whatever. So it's part of the design of the vessel to have those nozzles in the angles that they're at.	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee." And so before we start this item, are there any conflicts of interest? (No verbal response.) CHAIRMAN MORELOCK: All right.
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me? MR. ROBINSON: The skew of nozzles are part of the design? MR. SWEZY: Yes. They're there to provide for adequate drainage and ullage as the vessel is being drained or filled or whatever. So it's part of the design of the vessel to have	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee." And so before we start this item, are there any conflicts of interest? (No verbal response.) CHAIRMAN MORELOCK: All right. Mr. Swezy?
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me? MR. ROBINSON: The skew of nozzles are part of the design? MR. SWEZY: Yes. They're there to provide for adequate drainage and ullage as the vessel is being drained or filled or whatever. So it's part of the design of the vessel to have those nozzles in the angles that they're at.	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee." And so before we start this item, are there any conflicts of interest? (No verbal response.) CHAIRMAN MORELOCK: All right. Mr. Swezy? MR. SWEZY: Thank you,
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me? MR. ROBINSON: The skew of nozzles are part of the design? MR. SWEZY: Yes. They're there to provide for adequate drainage and ullage as the vessel is being drained or filled or whatever. So it's part of the design of the vessel to have those nozzles in the angles that they're at. CHAIRMAN MORELOCK: Yeah. I noticed that too. Any other questions?	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee." And so before we start this item, are there any conflicts of interest? (No verbal response.) CHAIRMAN MORELOCK: All right. Mr. Swezy? MR. SWEZY: Thank you, Mr. Chairman. Again, this reactor vessel was constructed by the same company that constructed
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 20. 21. 22. 23.	comment I had, I was just asking again and making sure that I had confirmation. There have been no alterations on this vessel at all? MR. SWEZY: None at all to this heat exchanger. MR. BAUGHMAN: Okay. MR. SWEZY: It's been in good service and not required any and there's no repairs that I'm aware of either. MR. BAUGHMAN: Okay. MR. ROBINSON: And the skew of nozzles were part of the design? MR. SWEZY: Pardon me? MR. ROBINSON: The skew of nozzles are part of the design? MR. SWEZY: Yes. They're there to provide for adequate drainage and ullage as the vessel is being drained or filled or whatever. So it's part of the design of the vessel to have those nozzles in the angles that they're at. CHAIRMAN MORELOCK: Yeah. I noticed that too.	Page 34	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	for a passage? MR. BAILEY: As long as there's a quorum, yes. CHAIRMAN MORELOCK: Okay. All right. So this item passes. Thank you. MR. SWEZY: Okay. CHAIRMAN MORELOCK: Okay. Our next item is Item 16-08. (As read), "Boiler Code Tech, LLC requests to designate, install and operate a foreign made second-hand pressure vessel as a Tennessee Special." Again (as read), "The equipment will be installed at the Buckman Laboratories Inc. facility located in Memphis, Tennessee." And so before we start this item, are there any conflicts of interest? (No verbal response.) CHAIRMAN MORELOCK: All right. Mr. Swezy? MR. SWEZY: Thank you, Mr. Chairman. Again, this reactor vessel was

th African manufacturer manufacturing a lander the rules of South Africa, in dance with ASME Section VIII, Division 1, Lloyd's Register as the authorized inspection by of record. And the vessel, after letion, has been shipped to Australia, to the man Lab facility that's located there, and led and operated successfully for a number are until it was no longer considered needed. The management decided to ship it to the phis facility for installation and repurposing other application. I'm happy to report that the ble documentation on this vessel was much ear in depth. I have included in the package sent all of you inspection records for the citions during a time that it was in service facility in Australia. I also have a air report from Stronghold on its current tion in terms of its thickness and a visual	1 1 1 1 1	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	was the half-pipe coil design which I had to do separately as a math CAT calculation. And that was included in your document package as well. In addition, the quality of the drawings is much better, including there is a drawing included that shows the actual location where it's going to be installed and its structural considerations that have been signed off by a registered engineer in the state of Tennessee. And so I think the documentation package is much more complete for this vessel.	Page 39
dance with ASME Section VIII, Division 1, Lloyd's Register as the authorized inspection y of record. And the vessel, after letion, has been shipped to Australia, to the man Lab facility that's located there, and led and operated successfully for a number ars until it was no longer considered needed. then management decided to ship it to the phis facility for installation and repurposing other application. I'm happy to report that the ble documentation on this vessel was much er in depth. I have included in the package sent all of you inspection records for the ctions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current	1 1 1 1 1	3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	was included in your document package as well. In addition, the quality of the drawings is much better, including there is a drawing included that shows the actual location where it's going to be installed and its structural considerations that have been signed off by a registered engineer in the state of Tennessee. And so I think the documentation package is much more complete for this vessel.	
Lloyd's Register as the authorized inspection by of record. And the vessel, after letion, has been shipped to Australia, to the man Lab facility that's located there, and led and operated successfully for a number ars until it was no longer considered needed. The management decided to ship it to the phis facility for installation and repurposing other application. I'm happy to report that the lible documentation on this vessel was much ear in depth. I have included in the package sent all of you inspection records for the citions during a time that it was in service facility in Australia. I also have a air report from Stronghold on its current	1 1 1 1 1	4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	In addition, the quality of the drawings is much better, including there is a drawing included that shows the actual location where it's going to be installed and its structural considerations that have been signed off by a registered engineer in the state of Tennessee. And so I think the documentation package is much more complete for this vessel.	
letion, has been shipped to Australia, to the man Lab facility that's located there, and led and operated successfully for a number ars until it was no longer considered needed, then management decided to ship it to the phis facility for installation and repurposing other application. I'm happy to report that the lible documentation on this vessel was much er in depth. I have included in the package sent all of you inspection records for the citions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current	1 1 1 1 1	5. 6. 7. 8. 9. 10. 11. 12. 13.	drawings is much better, including there is a drawing included that shows the actual location where it's going to be installed and its structural considerations that have been signed off by a registered engineer in the state of Tennessee. And so I think the documentation package is much more complete for this vessel.	
letion, has been shipped to Australia, to the man Lab facility that's located there, and led and operated successfully for a number ars until it was no longer considered needed. Then management decided to ship it to the phis facility for installation and repurposing other application. I'm happy to report that the lible documentation on this vessel was much ear in depth. I have included in the package sent all of you inspection records for the citions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current	1 1 1 1 1	6. 7. 8. 9. 10. 11. 12. 13. 14.	drawing included that shows the actual location where it's going to be installed and its structural considerations that have been signed off by a registered engineer in the state of Tennessee. And so I think the documentation package is much more complete for this vessel.	
man Lab facility that's located there, and led and operated successfully for a number ars until it was no longer considered needed. Then management decided to ship it to the phis facility for installation and repurposing other application. I'm happy to report that the lible documentation on this vessel was much ar in depth. I have included in the package sent all of you inspection records for the citions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current	1 1 1 1 1	7. 8. 9. 10. 11. 12. 13.	where it's going to be installed and its structural considerations that have been signed off by a registered engineer in the state of Tennessee. And so I think the documentation package is much more complete for this vessel.	
led and operated successfully for a number ars until it was no longer considered needed. Then management decided to ship it to the phis facility for installation and repurposing other application. I'm happy to report that the able documentation on this vessel was much ber in depth. I have included in the package sent all of you inspection records for the actions during a time that it was in service facility in Australia. I also have a sur report from Stronghold on its current	1 1 1 1 1	8. 9. 10. 11. 12. 13.	structural considerations that have been signed off by a registered engineer in the state of Tennessee. And so I think the documentation package is much more complete for this vessel.	
led and operated successfully for a number ars until it was no longer considered needed. Then management decided to ship it to the phis facility for installation and repurposing other application. I'm happy to report that the able documentation on this vessel was much ber in depth. I have included in the package sent all of you inspection records for the actions during a time that it was in service facility in Australia. I also have a sur report from Stronghold on its current	1 1 1 1 1	9. 10. 11. 12. 13.	off by a registered engineer in the state of Tennessee. And so I think the documentation package is much more complete for this vessel.	
then management decided to ship it to the phis facility for installation and repurposing other application. I'm happy to report that the ble documentation on this vessel was much er in depth. I have included in the package sent all of you inspection records for the ctions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current	1 1 1 1 1	10. 11. 12. 13.	Tennessee. And so I think the documentation package is much more complete for this vessel.	
phis facility for installation and repurposing other application. I'm happy to report that the able documentation on this vessel was much er in depth. I have included in the package sent all of you inspection records for the actions during a time that it was in service facility in Australia. I also have a mar report from Stronghold on its current	1 1 1 1 1	11. 12. 13. 14.	And so I think the documentation package is much more complete for this vessel.	
other application. I'm happy to report that the able documentation on this vessel was much ber in depth. I have included in the package sent all of you inspection records for the actions during a time that it was in service facility in Australia. I also have a sur report from Stronghold on its current]]]]	12. 13. 14.	package is much more complete for this vessel.	
I'm happy to report that the ble documentation on this vessel was much er in depth. I have included in the package sent all of you inspection records for the ctions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current	1 1 1	13. 14.		
ble documentation on this vessel was much er in depth. I have included in the package sent all of you inspection records for the ctions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current	1	14.		
ble documentation on this vessel was much er in depth. I have included in the package sent all of you inspection records for the ctions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current	1		And so under those similar considerations, we	
sent all of you inspection records for the ctions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current	1		propose that it be accepted for installation and	
sent all of you inspection records for the ctions during a time that it was in service facility in Australia. I also have a ar report from Stronghold on its current		15.	operation as a Tennessee State Special.	
ctions during a time that it was in service facility in Australia. I also have a arreport from Stronghold on its current		16.	CHAIRMAN MORELOCK: Okay. Do I	
facility in Australia. I also have a ar report from Stronghold on its current		17.	have a motion?	
ar report from Stronghold on its current		18.	DR. JOHNSON: I move that we accept	
		19.	it.	
		20.	CHAIRMAN MORELOCK: Okay. Do I	
ction of the vessel itself.		21.	have a second?	
At the same time, I also performed a		22.	MR. BAUGHMAN: Second.	
oress modeling of the vessel itself, including	I	23.	CHAIRMAN MORELOCK: Okay. So I	
its nozzles, showing that it is perfectly		24.	have a second. All right. So I'll open the floor	
table and safe for its intended application.		25.	for comments and discussion.	
••				
	Page 38			Page 40
And I also went back and did some		1.	MR. ROBINSON: Mr. Swezy, was the	
onal Compress calculations that I can		2.	bottom head replaced?	
de if you'd like, or I can show you on the		3.	MR. SWEZY: The implication from	
n, to verify that it's very acceptable for		4.	the Stronghold inspection was that they believed	
me plate condition in addition to the		5.	that it was. I do not know for sure if it was or	
sed conditions of operation that the		6.	not. I think maybe they considered it to have	
facturer in Tennessee use, including		7.	been replaced based on some visual cues that they	
cation that it meets the 1995 code as well.		8.	picked up when they were doing the inspection.	
And I also have the original 1995		9.	But I have no way of knowing for sure if it was	
calculations performed by the same engineer	1	10.	actually replaced or not.	
lid the design work on the heat exchanger that	1	11.	MR. ROBINSON: On the external	
not include in the package, but I would be	1	12.	inspections performed by Mr. Maskell, did he	
to provide those at your request as well.	1	13.	notice that the helicoil piping had eroded?	
I didn't want to make the submission	1	14.	MR. SWEZY: Yes. He did indicate	
ge so voluminous that it would be ridiculous	1	15.	that he felt that the helicoil piping had eroded.	
nreasonable for you to be able to review and	1	16.	The calculations that I did for the halfpipe	
der everything, but I'm more than happy to	1	17.	demonstrate that the remaining thickness is more	
de any of that documentation that you might	1	18.	than adequate for the intended service. The	
	1	19.	actual pipe that was used when it was originally	
So this vascal again is boing		20.	installed was well in excess of what was required,	
so and vessel, again, is being		21.	and so we still have a great deal of remaining	
posed in a new kind of a process stream with	2	22.	material that's more than adequate for the	
		23.	intended service.	
posed in a new kind of a process stream with		24.	MR. ROBINSON: Out of the	
posed in a new kind of a process stream with ent operating parameters than it was		25.		
posed in a new kind of a process stream with ent operating parameters than it was hally designed for. The only thing that			inspection reports that I've seen, I have only	
l n n d	id the design work on the heat exchanger that not include in the package, but I would be to provide those at your request as well. I didn't want to make the submission ge so voluminous that it would be ridiculous areasonable for you to be able to review and der everything, but I'm more than happy to be any of that documentation that you might so this vessel, again, is being cosed in a new kind of a process stream with the ent operating parameters than it was ally designed for. The only thing that	id the design work on the heat exchanger that not include in the package, but I would be to provide those at your request as well. I didn't want to make the submission ge so voluminous that it would be ridiculous areasonable for you to be able to review and ler everything, but I'm more than happy to ge any of that documentation that you might So this vessel, again, is being lossed in a new kind of a process stream with lent operating parameters than it was ally designed for. The only thing that lent ress did not address in the model that I	id the design work on the heat exchanger that not include in the package, but I would be to provide those at your request as well. I didn't want to make the submission ge so voluminous that it would be ridiculous areasonable for you to be able to review and ler everything, but I'm more than happy to le any of that documentation that you might So this vessel, again, is being lossed in a new kind of a process stream with ent operating parameters than it was ally designed for. The only thing that ress did not address in the model that I	id the design work on the heat exchanger that to include in the package, but I would be to provide those at your request as well. I didn't want to make the submission ge so voluminous that it would be ridiculous areasonable for you to be able to review and ler everything, but I'm more than happy to le any of that documentation that you might So this vessel, again, is being so this vessel, again, is being lend of a process stream with early designed for. The only thing that ress did not address in the model that I 11. MR. ROBINSON: On the external inspections performed by Mr. Maskell, did he notice that the helicoil piping had eroded? 12. inspections performed by Mr. Maskell, did he notice that the helicoil piping had eroded? 13. MR. SWEZY: Yes. He did indicate that the felt that the helicoil piping had eroded. 14. The calculations that I did for the halfpipe demonstrate that the remaining thickness is more than adequate for the intended service. The 19. actual pipe that was used when it was originally installed was well in excess of what was required, and so we still have a great deal of remaining material that's more than adequate for the intended service. 22. material that's more than adequate for the intended service. 23. intended service. 24. MR. ROBINSON: Out of the

	Page	41		Page 4
1.	seen the ones that reveal external inspection.	1.	parts at the name plate, pressure temperature, to	
2.	MR. SWEZY: Right.	2.	assure myself that the vessel is safe. And it is.	
3.	MR. ROBINSON: Were there any	3.	The thickness reports exceed the	
4.	internal inspections performed?	4.	minimum required thicknesses that I found in my	
5.	MR. SWEZY: If you're talking about	5.	compressed model.	
6.	the inspection reports that were generated by the	6.	Like Eugene said, the Stronghold	
7.	owners when it was installed in Australia, I don't	7.	report did state that the bottom head, they felt,	
8.	believe so because I believe it was in a service	8.	had been replaced.	
9.	that was considered noncorrosive. And so based	9.	Again, if this was a code-stamped	
0.	upon the satisfactory external inspections, they	10.	vessel, we would want to verify whether that was a	
1.	apparently did not believe it necessary to do an	11.	documented R Stamp repair or not. But since it's	
2.	internal inspection.	12.	a Tennessee Special, verification of the vessel	
3.	MR. ROBINSON: To your knowledge,	13.	thickness inspection, visual inspection to verify	
4.	do you know the worst-case pitting that was	14.	the condition of the vessel would suffice because	
5.	revealed during the internal inspection?	15.	it's not violating ASME code because it wasn't	
5.	MR. SWEZY: When it was performed	16.	code stamped in the first place.	
7.	by Stronghold?	17.	And also to address, the Stronghold	
, . 8.	MR. ROBINSON: Yes, sir.	18.	did note that there was considerable corrosion on	
9.	MR. SWEZY: It's documented in	19.	the halfpipe jacket and it had thinned from .203	
9. 0.	their report. There are a couple of places where	20.	inches to .105 inches. But again, going into	
0. 1.	there may have been some localized thickness loss	20.	Section VIII, Division 1, Appendix EE and running	
1. 2.	that was greater than the general thickness loss.	21.	those calculations, the thickness the .105-inch	
2. 3.				
	But in the calculations that I did, I didn't	23.	thickness is more than adequate to satisfy the	
4. ~	consider them to be sufficient to cause it to be	24.	pressure temperature requirements for service.	
5.	unsafe.	25.	And, again, approval of this as a	
	Page	42		Page 4
1.	MR. ROBINSON: Okay. Nothing else.	1.	Tennessee Special would be contingent on the	
2.	CHAIRMAN MORELOCK: The first	2.	boiler unit and the chief inspector's inspection	
3.	inspection was internal, but they've X'd out the	3.	and testing of the unit as well as any questions	
4.	external. So that was an internal inspection in	4.	that they may have concerning testing,	
5.	'98	5.	documentation, and all that. And that's the	
6.	MR. ROBINSON: It's difficult to	6.	extent of my comments.	
7.	see.	7.	MR. SWEZY: I believe Mr. Robinson	
8.	CHAIRMAN MORELOCK: Yeah, it's very	8.	was wanting to say something else.	
9.	difficult. So the '98 was an internal.	9.	MR. ROBINSON: Oh, I no. I	
). 0.	MR. ROBINSON: Okay. That's the	10.	would entertain at least performing PMI. It shows	
	only one?	11.	where you had 904L electrodes to be capped on the	
1. 2.	CHAIRMAN MORELOCK: I think that's	12.	internal, and I'm sure that was probably for	
۷. 3.		13.	corrosive resistant reasons.	
	the only one, yes.			
4. -	MR. ROBINSON: Okay.	14.	MR. SWEZY: It could very well have	
5.	CHAIRMAN MORELOCK: Any other	15.	been, sir. And I don't believe that the owner	
6.	comments?	16.	would have any objections to doing a PMI	
7.	(No verbal response.)	17.	inspection as part of the State's inspection for	
_	CHAIRMAN MORELOCK: I want to give	18.	acceptance. It's just something that had not been	
	everybody a little time to think. My comments	19.	felt necessary, but I don't think there would be	
9.		20.	any objection at all.	
9.).	are, as Mr. Swezy has already addressed, again,		in nonnigori or mi i i	
9.).	are, as Mr. Swezy has already addressed, again, these calculations were done to the pre-1995 or	21.	MR. ROBINSON: Okay. That's the	
9. 0. 1.	are, as Mr. Swezy has already addressed, again,	21. 22.	MR. ROBINSON: Okay. That's the only comments I have.	
8. 9. 0. 1. 2.	are, as Mr. Swezy has already addressed, again, these calculations were done to the pre-1995 or		•	
9. 0. 1. 2.	are, as Mr. Swezy has already addressed, again, these calculations were done to the pre-1995 or the pre-'98 edition of the code to check with the	22.	only comments I have.	

		Page 45		Page 47
1.	I went to the trouble of preparing a detailed	1 agc +3	1.	contingent on the State's inspection and PMI of
2.	Compress model for this vessel. If you'll notice,		2.	the vessel to verify materials of construction.
3.	the top of the vessel is bristling with nozzles.		3.	Are there any other comments or
4.	MR. ROBINSON: Yes, sir.		4.	questions?
5.	MR. SWEZY: And often, when people		5.	MR. ROBINSON: Second.
6.	are looking at a fitness-for-service examination		6.	CHAIRMAN MORELOCK: Okay. Hearing
7.	for a vessel, they do it quick and dirty on the		7.	none, I'll call the question. All in favor say,
8.	head and the shell and ignore a lot of the		8.	"aye."
9.	nozzles. And I wanted to make sure all of the		9.	(Affirmative response.)
10.	nozzles were good as well. And so that's why I		10.	CHAIRMAN MORELOCK: Opposed?
11.	did the full Compress model, including all of the		11.	(No verbal response.)
12.	nozzles and the re-pads and welds and everything,		12.	CHAIRMAN MORELOCK: Abstentions,
13.	because I wanted to make sure everything was good,		13.	not voting?
14.	not just the head and the shells.		14.	(No verbal response.)
15.	MR. ROBINSON: Yeah. I had		15.	CHAIRMAN MORELOCK: All right. You
16.	concerns on the flanges as well.		16.	have an approved Tennessee Special. Again, all
17.	MR. SWEZY: Yeah. And the flanges		17.	the constraints that we talked about on the heat
18.	were good. The only flange I could not analyze		18.	exchanger will apply to the reactor as well.
19.	was the flange on the manway nozzle because I		19.	Repairs will have to be approved by the State of
20.	didn't have enough dimensional information to be		20.	Tennessee and alterations by the Tennessee Board.
21.	able to model it. But that's something that could		21.	MR. SWEZY: Very good.
22.	be verified when the state inspection is being		22.	CHAIRMAN MORELOCK: All right.
23.	performed. And if we need additional calculations		23.	MR. SWEZY: Thank you for your
24.	to support that, I would be happy to provide those		24.	time, gentlemen.
25.	as well.		25.	CHAIRMAN MORELOCK: Thank you.
		Page 46		Page 48
1.	MR. ROBINSON: Well, during the	rage 40	1.	Okay. Let's go ahead and cover
2.	period of 1995 was when we had really sold a lot		2.	Item 16-09, Valero Memphis Refinery requests
3.	of our raw steel to China. And intent we		3.	approval for bi-annual boiler inspections on
4.	started getting flanges or forgings forged		4.	Boilers Number 10 and 11, located in Memphis,
5.	flanges that did not meet the ASME code.		5.	Tennessee.
6.	MR. SWEZY: I'm well aware of that,		6.	MR. GROSS: Good morning. Jeremy
7.	sir, yes.		7.	Gross. I'm the chief refinery inspector of the
8.	MR. ROBINSON: They were stamped		8.	Valero Memphis Refinery.
9.	appropriately but unfortunately they didn't have		9.	MR. ANTES: Steve Antes. I'm the
10.	the strength required for ASME. So 95, hence the		10.	operations superintendent over the boiler area.
11.	question regarding that.		11.	MR. ARMSTRONG: Jeff Armstrong.
12.	MR. SWEZY: Right. And in most		12.	I'm the Nalco representative at the site.
13.	cases, those flanges, I believe, were carbon		13.	MR. GROSS: Good morning, Board and
14.	steel. This one was stainless, so hopefully it		14.	guests. We're here today to present our boiler
15.	wouldn't have the same concern. But again, any		15.	inspection variance request per the checklist
16.	additional PMI or calculations based on		16.	that's been put out there in the state rules.
17.	dimensional information that came from that		17.	We've got two boilers, Number 10 and Number 11,
18.	flange, I'd be happy to provide that, in addition,		18.	that we're seeking to have our maintenance
19.	to follow up as part of the State's final		19.	operation and inspection procedure approved to
20.	inspection.		20.	utilize that procedure. We will be actually
21.	MR. ROBINSON: That would be		21.	evergreening that procedure in a system that we
22.	definitely outstanding. Thank you.		22.	use at our site called Policy Tech. That Policy
23.	CHAIRMAN MORELOCK: Okay. So we		23.	Tech database will maintain the training
24.	have a motion on the table that's been seconded to		24.	documentation going forward and the updates to
25.	approve this vessel as a Tennessee Special		25.	this document, once approved by the board to
L			L	
	Provided by Stone & G	eorae C	our	t Reporting (615) 268-1244
				· · · · · · · · · · · · · · · · · · ·

1.	Page 4	9		Page :
	maintain for annual certifications for the boiler	1.	MR. ANTES: What section?	
2.	operators that are in our facility as well as any	2.	MR. ROBINSON: Paragraph 1.2, I	
3.	modifications that may be made to this document	3.	believe. It's just boiler management system.	
4.	going forward in the future.	4.	You've got BMS. Just put the words "boiler	
5.	Currently, we are maintaining our	5.	management system" there.	
6.	boilers at the annual frequency per state rules,	6.	MR. GROSS: Okay. Just take the	
7.	and we are looking to pursue to have a bi-annual	7.	acronym out.	
8.	inspection frequency on our boilers at our site	8.	CHAIRMAN MORELOCK: That's just an	
9.	per the checklist form and documentation that we	9.	editorial comment.	
0.	have generated.	10.	MR. ROBINSON: It's editorial,	
1.	I open it up to the board at this	11.	yeah. That way it will be defined going forward.	
2.	point. We sent in our variance request. It is a	12.	MR. GROSS: Yes, sir.	
3.	lengthy document, so I do appreciate your time and	13.	MR. ANTES: And, I'm sorry, what	
4.	efforts in looking at that and researching and	14.	was the question again?	
5.	evaluating how our procedure looks. And I would	15.	MR. ROBINSON: On the safety	
6.	like to open it up for comments to the board.	16.	switches, you've got three each, extra well,	
7.	CHAIRMAN MORELOCK: Okay. Before	17.	you've got extra redundancy.	
8.	we start the comment phase, do I have a motion for	18.	MR. ANTES: Two out of three and	
9.	this item?	19.	two out of four, that's correct, sir.	
20.	DR. JOHNSON: I move that we	20.	MR. ROBINSON: But on the high and	
20.	approve it.	$\begin{bmatrix} 20. \\ 21. \end{bmatrix}$	the low gas and the low-water cutoff, they're all	
22.	MR. ROBINSON: Second.	22.	equipped with manual reset lockouts, right?	
23.	CHAIRMAN MORELOCK: Okay. I have a	23.		
	motion and a second. So discussion. The floor is	24.	MR. ANTES: They have switches that	
24. 25.		25.	they can manually activate to shut the boiler	
.5.	open for discussion.	23.	down. Is that what you're asking?	
	Page 5	0		Page
1.	MR. ROBINSON: Any conflicts?	1.	MR. ROBINSON: Well, I'm looking	
2.	CHAIRMAN MORELOCK: Oh, thank you.	2.	for an independent switch, that if the boiler goes	
3.	Any conflicts of interest for this	3.	into a needed fail/safe condition, that this	
4.	item?	4.	switch will lock out until someone comes and	
5.	(No verbal response.)	5.	manually makes the reset.	
6.	CHAIRMAN MORELOCK: All right.	6.	MR. ANTES: There is things in the	
7.	Comments?	7.	soft items in the DCS that you have to acknowledge	
8.	MR. ROBINSON: Jeremy, welcome	8.	on certain alarms. And we also have what we call	
9.	back. It's always a pleasure to see you. Your	9.	maintenance bypass switches. If we're performing	
0.	reports are very outstanding.	10.	certain maintenance levels, steam pressure,	
11.	MR. GROSS: Thank you.	11.	working on those things, that we can actually flip	
2.	MR. ROBINSON: I do have a few	12.	the maintenance bypasses.	
12.	questions. If you could, define "BMS" on page 6	13.	And we have in the policy that	
٠.	just the first time you mention it, Boiler	14.	Jeremy was talking about, we have operating	
1	Management System. I think it's paragraph 1.2.	- 1		
	management system. I tillik it s paragraph 1.2.	15.	procedures and guidelines that are required to be	
15.		16.	signed off when the bypass is activated, by who,	
5. 6.	The safety switches on the boilers,	17		
15. 16. 17.	The safety switches on the boilers, you've added the third, which is over and beyond	17.	and also when it is put back into the normal	
5.6.7.8.	The safety switches on the boilers, you've added the third, which is over and beyond the requirements of CSD.	18.	position. And then that document is maintained on	
5.6.7.8.9.	The safety switches on the boilers, you've added the third, which is over and beyond the requirements of CSD. Are any of the switches manual type,	18. 19.	position. And then that document is maintained on the site.	
5. 6. 7. 8. 9.	The safety switches on the boilers, you've added the third, which is over and beyond the requirements of CSD. Are any of the switches manual type, manual lockout reset type?	18. 19. 20.	position. And then that document is maintained on the site. MR. ROBINSON: Okay. The kind of	
5. 6. 7. 8. 9.	The safety switches on the boilers, you've added the third, which is over and beyond the requirements of CSD. Are any of the switches manual type, manual lockout reset type? MR. GROSS: I'm going to have to	18. 19. 20. 21.	position. And then that document is maintained on the site. MR. ROBINSON: Okay. The kind of switch I was referring to would be independent of	
15. 16. 17. 18. 19. 20. 21.	The safety switches on the boilers, you've added the third, which is over and beyond the requirements of CSD. Are any of the switches manual type, manual lockout reset type? MR. GROSS: I'm going to have to refer to Mr. Antes, on the report.	18. 19. 20. 21. 22.	position. And then that document is maintained on the site. MR. ROBINSON: Okay. The kind of switch I was referring to would be independent of the DCS. So DCS is your operating system. Boiler	
15. 16. 17. 18. 19. 20. 21.	The safety switches on the boilers, you've added the third, which is over and beyond the requirements of CSD. Are any of the switches manual type, manual lockout reset type? MR. GROSS: I'm going to have to refer to Mr. Antes, on the report. MR. ANTES: What page are you on?	18. 19. 20. 21. 22. 23.	position. And then that document is maintained on the site. MR. ROBINSON: Okay. The kind of switch I was referring to would be independent of the DCS. So DCS is your operating system. Boiler is going to operate based on	
14. 115. 116. 117. 118. 119. 220. 221. 222. 223. 224.	The safety switches on the boilers, you've added the third, which is over and beyond the requirements of CSD. Are any of the switches manual type, manual lockout reset type? MR. GROSS: I'm going to have to refer to Mr. Antes, on the report.	18. 19. 20. 21. 22.	position. And then that document is maintained on the site. MR. ROBINSON: Okay. The kind of switch I was referring to would be independent of the DCS. So DCS is your operating system. Boiler	

	Page 53		Page	: 55
1.	MR. ROBINSON: Sir?	1.	MR. GROSS: That's right.	
2.	MR. ANTES: An FSC system.	2.	CHAIRMAN MORELOCK: The rule is	
3.	MR. ROBINSON: Well, it's	3.	going to force you to use NBIC.	
4.	MR. ANTES: And SIS, which is	4.	MR. GROSS: That is correct.	
5.	also that must be reset by our DCS control	5.	MR. ROBINSON: Right. But again,	
6.	personnel.	6.	he was specific in saying	
7.	MR. ROBINSON: That's what I'm	7.	CHAIRMAN MORELOCK: Yes. Yes.	
8.	looking for.	8.	MR. GROSS: I understand where	
9.	MR. ANTES: Okay.	9.	you're coming from, Eugene.	
10.	MR. ROBINSON: And those are for	10.	MR. ROBINSON: Thank you, Jeremy.	
11.	the low gas, high gas, and the low-water cutoff	11.	MR. GROSS: We have contractors	
12.	especially.	12.	that will come from out of state	
13.	MR. ANTES: Yes.	13.	MR. ROBINSON: Yes, sir.	
14.	MR. ROBINSON: Very good.	14.	MR. GROSS: and they'll ask me	
15.	MR. ANTES: That is all handled	15.	the question, "Hey, we can 510 repair that,	
16.	under our DCS group. They're the only ones that	16.	right?" And I shut that down immediately and say,	
17.	have access to that panel.	17.	"No. We're a code state. We have to follow NBIC	
18.	MR. ROBINSON: Very well.	18.	rules."	
19.	MR. ANTES: It's locked.	19.	CHAIRMAN MORELOCK: Right. That's	
20.	MR. ROBINSON: Okay. I'm not	20.	right.	
21.	really certain on this question, and the reason is	21.	MR. GROSS: "We have to do an R-1	
22.	because you guys are primarily API. And in	22.	stamp." And it's very difficult when you utilize	
23.	reality, you're using API in conjunction with	23.	contractors from Texas or Louisiana because	
24.	NBIC. Okay. So your risk-based program for your	24.	they're able to do that and they'll come in and,	
25.	refinery is under API, but your boilers also now	25.	"We'll build that machine. It's not a problem."	
	Page 54		Page	56
1.	Page 54 fall under the scope of NBIC risk base.	1.	Page It's, like, "No. Time out. Sorry.	56
1. 2.	_	I .		56
	fall under the scope of NBIC risk base.	1.	It's, like, "No. Time out. Sorry.	56
2.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued	1. 2.	It's, like, "No. Time out. Sorry. We can't do that here."	: 56
2. 3.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct.	1. 2. 3.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir.	: 56
2. 3. 4.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct.	1. 2. 3. 4.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that	: 56
2. 3. 4. 5.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you	1. 2. 3. 4. 5.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to	: 56
2. 3. 4. 5. 6.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC	1. 2. 3. 4. 5. 6.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A,	:56
2. 3. 4. 5. 6. 7.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery.	1. 2. 3. 4. 5. 6. 7.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that	: 56
2. 3. 4. 5. 6. 7. 8.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for	1. 2. 3. 4. 5. 6. 7. 8.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s."	56
2. 3. 4. 5. 6. 7. 8. 9.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery.	1. 2. 3. 4. 5. 6. 7. 8. 9.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second	: 56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection	1. 2. 3. 4. 5. 6. 7. 8. 9.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators"	2 56
2. 3. 4. 5. 6. 7. 8. 9. 10.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second	: 56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators"	: 56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial.	2.56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial. MR. ROBINSON: Appendix J,	2.56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the question is should it be referenced also with the	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial.	: 56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the question is should it be referenced also with the NBIC, because, again, we're now bringing the	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial. MR. ROBINSON: Appendix J, paragraph 2, remove "external" and add "internal." I think somebody	56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the question is should it be referenced also with the NBIC, because, again, we're now bringing the boilers under the scope of risk base.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial. MR. ROBINSON: Appendix J, paragraph 2, remove "external" and add "internal."	2.56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the question is should it be referenced also with the NBIC, because, again, we're now bringing the	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial. MR. ROBINSON: Appendix J, paragraph 2, remove "external" and add "internal." I think somebody	2.56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the question is should it be referenced also with the NBIC, because, again, we're now bringing the boilers under the scope of risk base. CHAIRMAN MORELOCK: Certainly you can make a note that it does need to comply with	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial. MR. ROBINSON: Appendix J, paragraph 2, remove "external" and add "internal." I think somebody CHAIRMAN MORELOCK: Is that	56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the question is should it be referenced also with the NBIC, because, again, we're now bringing the boilers under the scope of risk base. CHAIRMAN MORELOCK: Certainly you	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial. MR. ROBINSON: Appendix J, paragraph 2, remove "external" and add "internal." I think somebody CHAIRMAN MORELOCK: Is that Appendix J?	2.56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the question is should it be referenced also with the NBIC, because, again, we're now bringing the boilers under the scope of risk base. CHAIRMAN MORELOCK: Certainly you can make a note that it does need to comply with ASME as well as NBIC. Yes. MR. GROSS: Sure. Absolutely.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial. MR. ROBINSON: Appendix J, paragraph 2, remove "external" and add "internal." I think somebody CHAIRMAN MORELOCK: Is that Appendix J? MR. ROBINSON: Yeah.	2.56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the question is should it be referenced also with the NBIC, because, again, we're now bringing the boilers under the scope of risk base. CHAIRMAN MORELOCK: Certainly you can make a note that it does need to comply with ASME as well as NBIC. Yes. MR. GROSS: Sure. Absolutely. CHAIRMAN MORELOCK: I mean, it's an	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial. MR. ROBINSON: Appendix J, paragraph 2, remove "external" and add "internal." I think somebody CHAIRMAN MORELOCK: Is that Appendix J? MR. ROBINSON: Yeah. CHAIRMAN MORELOCK: Appendix J is	2.56
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 20. 21. 22. 23.	fall under the scope of NBIC risk base. CHAIRMAN MORELOCK: For continued operation, that's correct. MR. GROSS: That's correct. MR. ROBINSON: So you CHAIRMAN MORELOCK: But the NBIC part for continued operation would be API579. 580 is specifically for the MR. ROBINSON: Refinery. CHAIRMAN MORELOCK: Well, for operation fitness-for-service evaluations for operations to extend internal inspection frequency. So that's 580, 581, which Meridium and Aptech and places build software based on those two documents. MR. ROBINSON: Okay. So the question is should it be referenced also with the NBIC, because, again, we're now bringing the boilers under the scope of risk base. CHAIRMAN MORELOCK: Certainly you can make a note that it does need to comply with ASME as well as NBIC. Yes. MR. GROSS: Sure. Absolutely.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	It's, like, "No. Time out. Sorry. We can't do that here." MR. ROBINSON: Thank you, sir. MR. GROSS: I do appreciate that question. MR. ROBINSON: Okay. Appendix A, second paragraph, second sentence, change to "qualify operator." Remove the "s." CHAIRMAN MORELOCK: Where is that at again? MR. ROBINSON: Appendix A, second paragraph, second sentence, "qualified operators" goes to "operator." CHAIRMAN MORELOCK: Oh, yes. That's an editorial. MR. ROBINSON: Appendix J, paragraph 2, remove "external" and add "internal." I think somebody CHAIRMAN MORELOCK: Is that Appendix J? MR. ROBINSON: Yeah. CHAIRMAN MORELOCK: Appendix J is the	56

		Page 57		Page 59
1.	CHAIRMAN MORELOCK: Yeah.		1.	that's what you're asking for.
2.	MR. ROBINSON: That's the		2.	MR. GROSS: Yes, sir, that's
3.	procedure.		3.	correct.
4.	CHAIRMAN MORELOCK: That's your		4.	CHAIRMAN MORELOCK: But, now, the
5.	damage mechanism, is Appendix J.		5.	certificate of inspection will be renewed
6.	MR. ROBINSON: Okay. Well, let's		6.	annually, correct?
7.	see. It would be yes, forgive me. It was "I."		7.	CHIEF INSPECTOR CHAPMAN: That's
8.	It would be Appendix I, paragraph 2. And here I'm		8.	correct.
9.	going to give you a copy of something I circled.		9.	CHAIRMAN MORELOCK: So in that
10.	It came out of our divisional laws. This is an		10.	two-year span, one of those certificate renewals
11.	expired one. The current date on here is 2014. I		11.	will have to be based upon an external inspection,
12.	couldn't pull up the newest revision. I've got it		12.	not an internal, because of the variance.
13.	circled. Do you see how it's worded?		13.	MR. ANTES: That's correct.
14.	MR. GROSS: Yes, sir.		14.	MR. ROBINSON: I was under the
15.	MR. ROBINSON: And it talks		15.	impression that we were going to make adjustments
16.	about		16.	to our certificate from the normal 12-month
17.	MR. GROSS: Okay. Yeah, where		17.	frequency to the 18-month frequency.
18.	we're doing the external inspection on your		18.	CHAIRMAN MORELOCK: And that's why
19.	six-month intervals?		19.	the wording is so F will allow that. And so
20.	MR. ROBINSON: Right. You'll see		20.	that's where I think the confusion is. So really
21.	it.		21.	and truly, the certificate of inspection would be
22.	MR. GROSS: Okay.		22.	based upon the internal, whether it's done at
23.	MR. ROBINSON: And look under A.		23.	12 months, 18 months, or 24 months.
24.	You'll see exactly what I'm saying, because you		24.	Is that right, Dan?
25.	guys pulled the verbiage, I believe, directly from		25.	MR. ROBINSON: So would the
1		D 70		D (/
1	that	Page 58	1	Page 60
1.	that. MR GROSS: So Fugene you're	Page 58	1.	certificate expiration date reflect
2.	MR. GROSS: So, Eugene, you're	Page 58	2.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah
2. 3.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that	Page 58	2. 3.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes.
2. 3. 4.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application?	Page 58	2. 3. 4.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal?
2. 3. 4. 5.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it	Page 58	2. 3. 4. 5.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone.
2. 3. 4. 5. 6.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-	Page 58	2. 3. 4. 5. 6.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate
2. 3. 4. 5. 6. 7.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be	Page 58	2. 3. 4. 5. 6. 7.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months.
2. 3. 4. 5. 6. 7. 8.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which	Page 58	2. 3. 4. 5. 6.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes.
2. 3. 4. 5. 6. 7. 8. 9.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got	Page 58	2. 3. 4. 5. 6. 7. 8. 9.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an
2. 3. 4. 5. 6. 7. 8.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which	Page 58	2. 3. 4. 5. 6. 7. 8.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes.
2. 3. 4. 5. 6. 7. 8. 9.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there.	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a
2. 3. 4. 5. 6. 7. 8. 9. 10.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay.	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you
2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection.
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is under normal operating conditions."	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's what was leading to the conversation.
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is under normal operating conditions." And if you read that paragraph,	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's what was leading to the conversation. MR. ROBINSON: So that's
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is under normal operating conditions." And if you read that paragraph, you'll see where you could have got twisted a	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's what was leading to the conversation. MR. ROBINSON: So that's CHAIRMAN MORELOCK: So I think your
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is under normal operating conditions." And if you read that paragraph, you'll see where you could have got twisted a little bit. Do you see what I mean?	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's what was leading to the conversation. MR. ROBINSON: So that's CHAIRMAN MORELOCK: So I think your wording may be okay. Well, no, it's not. Because
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is under normal operating conditions." And if you read that paragraph, you'll see where you could have got twisted a little bit. Do you see what I mean? MR. GROSS: Yes, sir. We can	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's what was leading to the conversation. MR. ROBINSON: So that's CHAIRMAN MORELOCK: So I think your wording may be okay. Well, no, it's not. Because in 2.1 you're going to have to fix your wording to
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is under normal operating conditions." And if you read that paragraph, you'll see where you could have got twisted a little bit. Do you see what I mean? MR. GROSS: Yes, sir. We can create a modification to that.	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's what was leading to the conversation. MR. ROBINSON: So that's CHAIRMAN MORELOCK: So I think your wording may be okay. Well, no, it's not. Because in 2.1 you're going to have to fix your wording to match the issuance of the certificate of
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 20. 21. 22. 23.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is under normal operating conditions." And if you read that paragraph, you'll see where you could have got twisted a little bit. Do you see what I mean? MR. GROSS: Yes, sir. We can create a modification to that. MR. ROBINSON: Okay. CHAIRMAN MORELOCK: Well, okay. So but the variance extends that annual	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's what was leading to the conversation. MR. ROBINSON: So that's CHAIRMAN MORELOCK: So I think your wording may be okay. Well, no, it's not. Because in 2.1 you're going to have to fix your wording to match the issuance of the certificate of inspection. MR. ROBINSON: New certificate. Okay.
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is under normal operating conditions." And if you read that paragraph, you'll see where you could have got twisted a little bit. Do you see what I mean? MR. GROSS: Yes, sir. We can create a modification to that. MR. ROBINSON: Okay. CHAIRMAN MORELOCK: Well, okay. So but the variance extends that annual internal inspection out to the owner/user's	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's what was leading to the conversation. MR. ROBINSON: So that's CHAIRMAN MORELOCK: So I think your wording may be okay. Well, no, it's not. Because in 2.1 you're going to have to fix your wording to match the issuance of the certificate of inspection. MR. ROBINSON: New certificate. Okay. Okay. Paragraph okay. Stay with
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	MR. GROSS: So, Eugene, you're referring to "I" in the 2.1 paragraph, is that correct, on your application? MR. ROBINSON: Under 1, where it says that power boilers and high-pressure high-temperature water boilers used or proposed to be used shall receive an inspection annually which is okay which shall be external. You've got "external" there. MR. GROSS: Okay. MR. ROBINSON: It should be "internal." And I would even go further and say "and an external inspection while the boiler is under normal operating conditions." And if you read that paragraph, you'll see where you could have got twisted a little bit. Do you see what I mean? MR. GROSS: Yes, sir. We can create a modification to that. MR. ROBINSON: Okay. CHAIRMAN MORELOCK: Well, okay. So but the variance extends that annual	Page 58	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	certificate expiration date reflect MS. JEFFERSON: Yes. Deborah MS. RHONE: Yes. MR. ROBINSON: the new proposal? MS. RHONE: Yes Deborah Rhone. Yes, that's correct. The certificate would have the expiration date for the 18 months. CHAIRMAN MORELOCK: Yes. MS. RHONE: Every time you get an internal inspection, you would receive a certificate. That would be the only time you would be issued a certificate, is during that internal inspection. CHAIRMAN MORELOCK: I think that's what was leading to the conversation. MR. ROBINSON: So that's CHAIRMAN MORELOCK: So I think your wording may be okay. Well, no, it's not. Because in 2.1 you're going to have to fix your wording to match the issuance of the certificate of inspection. MR. ROBINSON: New certificate. Okay.

		Page 61			Page 63
1.	brought this one up as well. "60 months." You		1.	MR. GROSS: From a cycling of the	
2.	probably meant six months, I believe, but		2.	equipment, yes, sir. And then also from a	
3.	MR. GROSS: Yeah, absolutely.		3.	startup/shutdown scenario of an incident occurring	
4.	CHAIRMAN MORELOCK: You just put		4.	during the characterization.	
5.	that in there to see if we'd find it, right?		5.	MR. BAUGHMAN: In just looking over	
6.	MR. GROSS: It's a test. No.		6.	the boiler maintenance work orders, there was no	
7.	Sorry about that.		7.	unscheduled repairs that had had to be performed;	
8.	So just to let you know, so our		8.	is that correct?	
9.	pressure vessels, we will do an external visual		9.	MR. GROSS: That's correct.	
10.	inspection for our API guidelines is a 60-month		10.	MR. BAUGHMAN: So things as far as	
11.	interval, so that's a typo.		11.	the burner throats, the weld repairs and so forth	
12.	MR. ROBINSON: And that's what I		12.	that came about, was that known before the	
13.	figured. I thought that but I was uncertain. So		13.	shutdown came about that those needed to be done,	
14.	if you want to put a blurb in there for API,		14.	or were those identified at the time the boiler	
15.	that's fine.		15.	was inspected?	
16.	MR. GROSS: Yes, sir.		16.	MR. GROSS: Those were identified	
17.	MR. ROBINSON: That's perfectly all		17.	at the time the boiler was being inspected. That	
18.	right.		18.	is correct.	
19.	Appendix I, paragraph 2.3, "Low		19.	MR. BAUGHMAN: Okay. So you think	
20.	pressure boiler shall receive a certificate		20.	that that's not a critical component? If we	
21.	inspection biannually." You want to change		21.	extend that out, that those repairs, i.e., the	
22.	"biannually" to "biennially" with an "E."		22.	boiler repair it was found at the time of	
23.	MR. GROSS: Got you.		23.	inspection so you think that by extending it to	
24.	MR. ROBINSON: That's all I had.		24.	a longer period of time, that that's good.	
25.	It was very comprehensive. A very good report.		25.	MR. GROSS: So from an equipment	
	it was very comprehensive. It very good reports		-5.	The energy so from an equipment	
		Page 62			Page 64
1.	Thank you.		1.	degradation standpoint, no, sir, I do not think	
2.	CHAIRMAN MORELOCK: Any other		2.	that would be a positive from increasing your	
3.	comments?		3.	interval except for when we're down and we're	
4.	MR. BAUGHMAN: So why do you think		4.	maintaining those items through that work order	
5.	this is in the best interest?		5.	process. We feel like we can maintain those in a	
6.	MR. GROSS: So, David, what we're		6.	safe condition. I think that was Number 10 that	
7.	looking to do is create less cycles on our		7.	you were looking at, that is our older boiler.	
8.	downtime for our equipment as far as being shut		8.	And our Number 11 is our newer boiler at this	
9.	down, and put that 18-to-24-month interval out		9.	time.	
10.	just to create that less cycling effect.		10.	We are able to shut down these,	
11.	Obviously typically, your instances occur when		11.	David, at any time and do any maintenance work	
12.	you're shutting down or starting up units,		12.	that would be required if we had an issue from an	
13.	equipment, fired equipment.		13.	operational standpoint.	
14.	So for us, we also feel like, from a		14.	We would go through a steam shedding	
15.	safety standpoint, that this would take away		15.	procedure. But we'd be able to shut down a few of	
16.	susceptibility for a safety incident during a		16.	our other process units that are our big steam	
17.	startup or shutdown or characterization of our		17.	consumers and make those necessary repairs.	
18.	boiler during those events. So by doing that, it		18.	However, through the monitoring and the	
19.	would put us to the 18- or 24-month intervals		19.	maintenance that we are performing on these, we	
1).	where we're lowering our susceptibility for an		20.	feel like we can sustain that 24-month interval.	
			21.	MR. BAUGHMAN: Okay. Can any of	
20.	incident during a startup or shutdown scenario.		22.	the switches be remotely reset?	
20. 21.	incident during a startup or shutdown scenario. MR. BAUGHMAN: So you think, based				
20. 21. 22.	MR. BAUGHMAN: So you think, based		1	•	
20. 21. 22. 23.	MR. BAUGHMAN: So you think, based on what you've found previously within Number 10		23.	MR. ANTES: Only by our maintenance	
20. 21. 22. 23. 24.	MR. BAUGHMAN: So you think, based		1	•	

chance on them ourselves. Of course, if you have a like I lking about before, we have to have FSC and S systems that our ACS group has to reset. Item, of course, if the boiler trips itself, are a reset switch on the panel that is ed to be pushed. And then everything must sfied before it goes into a sequence to p. MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, as also a DCS screen out there for the e operator to look. It is a read only. So actually see what's going on, what the	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	Page 67 need to stay I know you've got a DCS system and all, so you're providing basically 100 percent? MR. GROSS: Yes, sir. And we have an outside assistant that makes a round less than at 20-minute intervals every day on each shift, day and night. Just indicate that? CHAIRMAN MORELOCK: Just put it in writing, because we know it but it just helps to have it in writing. MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of this program and the provisions of
Of course, if you have a like I lking about before, we have to have FSC and S systems that our ACS group has to reset. Iten, of course, if the boiler trips itself, ave a reset switch on the panel that is ed to be pushed. And then everything must sfied before it goes into a sequence to p. MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	all, so you're providing basically 100 percent? MR. GROSS: Yes, sir. And we have an outside assistant that makes a round less than at 20-minute intervals every day on each shift, day and night. Just indicate that? CHAIRMAN MORELOCK: Just put it in writing, because we know it but it just helps to have it in writing. MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
Iking about before, we have to have FSC and S systems that our ACS group has to reset. Iten, of course, if the boiler trips itself, are a reset switch on the panel that is ed to be pushed. And then everything must sfied before it goes into a sequence to p. MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, is also a DCS screen out there for the ge operator to look. It is a read only. So	4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	MR. GROSS: Yes, sir. And we have an outside assistant that makes a round less than at 20-minute intervals every day on each shift, day and night. Just indicate that? CHAIRMAN MORELOCK: Just put it in writing, because we know it but it just helps to have it in writing. MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
S systems that our ACS group has to reset. ten, of course, if the boiler trips itself, ave a reset switch on the panel that is ed to be pushed. And then everything must sfied before it goes into a sequence to p. MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	an outside assistant that makes a round less than at 20-minute intervals every day on each shift, day and night. Just indicate that? CHAIRMAN MORELOCK: Just put it in writing, because we know it but it just helps to have it in writing. MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
nen, of course, if the boiler trips itself, ave a reset switch on the panel that is ed to be pushed. And then everything must sfied before it goes into a sequence to p. MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	than at 20-minute intervals every day on each shift, day and night. Just indicate that? CHAIRMAN MORELOCK: Just put it in writing, because we know it but it just helps to have it in writing. MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
we a reset switch on the panel that is ed to be pushed. And then everything must sfied before it goes into a sequence to p. MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	6. 7. 8. 9. 10. 11. 12. 13. 14.	shift, day and night. Just indicate that? CHAIRMAN MORELOCK: Just put it in writing, because we know it but it just helps to have it in writing. MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
ed to be pushed. And then everything must sfied before it goes into a sequence to p. MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	7. 8. 9. 10. 11. 12. 13. 14.	CHAIRMAN MORELOCK: Just put it in writing, because we know it but it just helps to have it in writing. MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
sfied before it goes into a sequence to p. MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	8. 9. 10. 11. 12. 13. 14. 15.	writing, because we know it but it just helps to have it in writing. MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	9. 10. 11. 12. 13. 14.	have it in writing. MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
MR. BAUGHMAN: That panel being d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	10. 11. 12. 13. 14. 15.	MR. GROSS: Yes, sir. CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
d where? MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	11. 12. 13. 14. 15.	CHAIRMAN MORELOCK: And on page 3, paragraph 5, you're stating, "The individual responsible for implementing the provisions of
MR. ANTES: On the front of each MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	12. 13. 14. 15.	paragraph 5, you're stating, "The individual responsible for implementing the provisions of
MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	13. 14. 15.	responsible for implementing the provisions of
MR. BAUGHMAN: Very good. MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	14. 15.	
MR. ANTES: Also, on boiler 11, s also a DCS screen out there for the e operator to look. It is a read only. So	15.	
s also a DCS screen out there for the e operator to look. It is a read only. So		this program and the variance is the chief
e operator to look. It is a read only. So		inspector, technical department."
•	16.	My question is does this individual
actually see what's going on, what the	17.	also have responsibility for the RBI program, the
	18.	water treatment program? Because the checklist
or inside is looking at, as far as water	19.	requires that you provide addresses, phone
nd all that.	20.	numbers, and fax numbers for the responsible
CHAIRMAN MORELOCK: Any other	21.	individuals.
ents?	22.	MR. GROSS: Yes, sir.
(No verbal response.)	23.	CHAIRMAN MORELOCK: So just clarify
CHAIRMAN MORELOCK: All right.	24.	that. Okay?
I've got just a few. One is just some	25.	MR. GROSS: Yes, sir.
	age 66	Page 68
. It would be good to include the checklist	1.	CHAIRMAN MORELOCK: And that's the
r manual so that whether you or the State or	2.	extent of my comments.
dy looks at the manual, they can kind of look	3.	Anything else?
checklist and see how you've addressed all	4.	MR. BAUGHMAN: Who is the
components of the variance and kind of keep	5.	inspection
hing up to date.	6.	MR. GROSS: Are you talking
MR. GROSS: Mr. Chairman, would you	7.	about our insurance inspection agency is Arise.
that in an appendices or do you want to put	8.	Mr. Ken Watson is our AI that comes out and does
e front section?	9.	our external visual, our boiler inspection. He's
	10.	•
CHAIRMAN MORELOCK: An appendices		the former state of Mississippi chief boiler
back would be fine.	11.	inspector.
I do have a couple of questions.	12.	MR. BAUGHMAN: It was mentioned
loes this variance manual state that	13.	that they also agree with the extension.
ing under the variance, Tennessee Code	14.	MR. GROSS: Okay. Yes, sir. Dave.
ated 68-122-110(f), that it shall have	15.	MR. BAUGHMAN: I know that's listed
al inspections every six months, and if the	16.	in here or was discussed verbally, but I didn't
or boilers fail this external inspection,	17.	know if there was a letter, as such, that they
•	18.	would possibly produce saying that they
be required to be immediately shut down	I	MR. GROSS: Right. We can provide
be required to be immediately shut down e variance will be rescinded? That's	20.	that. Mr. Watson was actually supposed to be here
be required to be immediately shut down e variance will be rescinded? That's ist Items Number 5 and 6. So you need to	21.	but his schedule didn't allow him to show up. He
be required to be immediately shut down e variance will be rescinded? That's ist Items Number 5 and 6. So you need to at verbiage in your manual.	22.	was actually going to show up today and give his
be required to be immediately shut down e variance will be rescinded? That's ist Items Number 5 and 6. So you need to		consent verbally. But we can get it in an email
be required to be immediately shut down e variance will be rescinded? That's ist Items Number 5 and 6. So you need to at verbiage in your manual.	23.	or a letter, a certified letter, to put in here as
be required to be immediately shut down e variance will be rescinded? That's ist Items Number 5 and 6. So you need to at verbiage in your manual. The next item would be checklist Item	23. 24.	
be required to be immediately shut down e variance will be rescinded? That's ist Items Number 5 and 6. So you need to at verbiage in your manual. The next item would be checklist Item er 9. Does this manual state these boilers		well.
	riance will be rescinded? That's tems Number 5 and 6. So you need to rbiage in your manual.	riance will be rescinded? That's tems Number 5 and 6. So you need to rbiage in your manual. e next item would be checklist Item Does this manual state these boilers 19. 20. 21. 22.

	Page 69		Page 71
1.	CHAIRMAN MORELOCK: Any other	1.	(No verbal response.)
2.	comments?	2.	CHAIRMAN MORELOCK: Abstentions,
3.	(No verbal response.)	3.	not voting.
4.	CHAIRMAN MORELOCK: Okay. So we	4.	(No verbal response.)
5.	have a motion and a second on the table to approve	5.	CHAIRMAN MORELOCK: Gentlemen, you
6.	Valero's boiler internal inspection frequency	6.	have an approved boiler internal inspection
7.	variance contingent on, again, the chief inspector	7.	frequency variance.
8.	and the boiler unit inspecting the vessels, the	8.	MR. GROSS: Thank you very much.
9.	boilers, reviewing your manual, making sure	9.	CHAIRMAN MORELOCK: Thank you-all.
10.	we're completing a technical review but they're	10.	Okay. I'm going to give everybody
11.	going to actually make sure that what's on paper	11.	a let's take a 13-minute break. That would get
12.	is actually what they're going to see in the	12.	us to 10:30. You've been gracious to sit with us
13.	field. And they'll complete that. So your	13.	for over an hour, almost an hour and a half, so
14.	approval of the variance is contingent on their	14.	we'll reconvene at 10:30.
15.	inspection and review of the manual and making	15.	(Recess observed.)
16.	sure that it all works.	16.	CHAIRMAN MORELOCK: We are on
17.	MR. GROSS: We'll schedule that	17.	Item 16-10, Maplehurst Bakeries, LLC requests a
18.	with Sam	18.	variance to Boiler and Unfired Pressure Vessel
19.	CHAIRMAN MORELOCK: Okay.	19.	Rules and Regulations, paragraph
20.	MR. GROSS: for this upcoming	20.	0800-03-0304(22) for two high-pressure boilers
21.	October, November.	21.	located in Lebanon, Tennessee. So if you'll
22.	CHAIRMAN MORELOCK: Okay.	22.	introduce yourselves
23.	MR. GROSS: I do have one question.	23.	Are there any conflicts of interest?
24.	So we're working these boilers you know, 10 and	24.	(No verbal response.)
25.	Number 11 is later this fall if we do the first	25.	CHAIRMAN MORELOCK: Okay. Good.
	Page 70	,	Page 72
1.	Page 70 boiler and we can get approval from the chief	1.	Page 72 MR. JAMES NEVILLE: James Neville,
1. 2.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to		MR. JAMES NEVILLE: James Neville, Neville Engineering.
1	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that	1.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the
2.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at	1. 2.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst
2. 3.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to	1. 2. 3.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon.
2. 3. 4.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at	1. 2. 3. 4. 5. 6.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst
2. 3. 4. 5. 6. 7.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to	1. 2. 3. 4. 5. 6. 7.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply.
2. 3. 4. 5. 6. 7. 8.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency?	1. 2. 3. 4. 5. 6. 7. 8.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like
2. 3. 4. 5. 6. 7. 8. 9.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both?	1. 2. 3. 4. 5. 6. 7. 8. 9.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex
2. 3. 4. 5. 6. 7. 8. 9.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes.	1. 2. 3. 4. 5. 6. 7. 8. 9.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in
2. 3. 4. 5. 6. 7. 8. 9. 10.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running.
2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it?	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away.
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for 24 month. That's good. Okay. I just want to	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away. That remote station, the name on that
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for 24 month. That's good. Okay. I just want to make sure.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away. That remote station, the name on that is the maintenance lead and ammonia engineer
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for 24 month. That's good. Okay. I just want to make sure. CHAIRMAN MORELOCK: Okay. Any	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away. That remote station, the name on that is the maintenance lead and ammonia engineer control room. That's where they plan on
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for 24 month. That's good. Okay. I just want to make sure. CHAIRMAN MORELOCK: Okay. Any other questions or comments?	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away. That remote station, the name on that is the maintenance lead and ammonia engineer control room. That's where they plan on monitoring the boilers while on the variance.
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for 24 month. That's good. Okay. I just want to make sure. CHAIRMAN MORELOCK: Okay. Any other questions or comments? (No verbal response.)	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away. That remote station, the name on that is the maintenance lead and ammonia engineer control room. That's where they plan on monitoring the boilers while on the variance. There is a change. They have decided
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for 24 month. That's good. Okay. I just want to make sure. CHAIRMAN MORELOCK: Okay. Any other questions or comments? (No verbal response.) CHAIRMAN MORELOCK: I'm going to	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away. That remote station, the name on that is the maintenance lead and ammonia engineer control room. That's where they plan on monitoring the boilers while on the variance. There is a change. They have decided to put this on their SCADA system, which is a
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for 24 month. That's good. Okay. I just want to make sure. CHAIRMAN MORELOCK: Okay. Any other questions or comments? (No verbal response.) CHAIRMAN MORELOCK: I'm going to call the question. All in favor say, "Aye."	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away. That remote station, the name on that is the maintenance lead and ammonia engineer control room. That's where they plan on monitoring the boilers while on the variance. There is a change. They have decided to put this on their SCADA system, which is a control panel in that control room. And so they
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for 24 month. That's good. Okay. I just want to make sure. CHAIRMAN MORELOCK: Okay. Any other questions or comments? (No verbal response.) CHAIRMAN MORELOCK: I'm going to call the question. All in favor say, "Aye." (Affirmative response.)	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away. That remote station, the name on that is the maintenance lead and ammonia engineer control room. That's where they plan on monitoring the boilers while on the variance. There is a change. They have decided to put this on their SCADA system, which is a control panel in that control room. And so they will have a dedicated screen for these two boilers
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	boiler and we can get approval from the chief boiler inspector to implement that, are we able to utilize the variance for the existing boiler that will be later this year? Or do we need to look at both boilers first and execute our procedure to gain our frequency? CHIEF INSPECTOR CHAPMAN: It would be both. MR. GROSS: Okay. We'll get both? CHIEF INSPECTOR CHAPMAN: Yes. MR. GROSS: No. problem. MR. BAUGHMAN: And again, that frequency is how long are we extending it? CHAIRMAN MORELOCK: Basically it will go from an annual to a 24 month. MR. BAUGHMAN: So we're asking for 24 month. That's good. Okay. I just want to make sure. CHAIRMAN MORELOCK: Okay. Any other questions or comments? (No verbal response.) CHAIRMAN MORELOCK: I'm going to call the question. All in favor say, "Aye."	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	MR. JAMES NEVILLE: James Neville, Neville Engineering. MR. JONES: I'm Michael Jones, the recently hired plant manager for Maplehurst Bakeries plant in Lebanon. MS. LeVAN: I'm Wendy LeVan and I'm an account manager with Boiler Supply. MR. JAMES NEVILLE: We would like to request a variance on two Cleaver Brooks flex tube boilers that have recently been installed in Lebanon. Those boilers are up and running. In our site plan, on Figure 1, it shows the location of the boiler room and the remote station where we would like to monitor these boilers from, which is approximately 100 feet away. That remote station, the name on that is the maintenance lead and ammonia engineer control room. That's where they plan on monitoring the boilers while on the variance. There is a change. They have decided to put this on their SCADA system, which is a control panel in that control room. And so they

	Page 73			Page 75
1.	there's a modification to the variance that we	1.	MS. LeVAN: Okay.	- 1.81
2.	have in front of you. I would like to pass that	2.	MR. BAUGHMAN: Under Appendix A.	
3.	out because that shows the most updated control	3.	CHAIRMAN MORELOCK: Any other	
4.	scheme.	4.	comments?	
5.	The individuals that will be	5.	MR. BAUGHMAN: The other question	
6.	monitoring these boilers, both at the remote	6.	that I've got, James, is the Hawk 4000, our codes	
7.	station and as boiler attendants, their job titles	7.	require by CSD-1 that all components be UL listed.	
8.	are the shift maintenance team leader and the	8.	MR. JAMES NEVILLE: Yeah. They	
9.	maintenance technician. So those will be at the	9.	are.	
10.	remote station and will be the boiler	10.	MR. BAUGHMAN: The 780 is UL	
11.	attendants will be monitoring the boilers at the	11.	listed. At the heart of the system is a UL listed	
12.	beginning of the shift and the end of the shift.	12.	control, but I didn't know if the total system	
13.	In Appendix A, there were two items	13.	itself is UL listed. I don't see any nomenclature	
14.	that needed to be updated. And that was the	14.	on that that addresses that. I see where the	
15.	national board number. I do have those numbers	15.	780 the CB780 is but not the complete 4000.	
16.	now. For Boiler 1, that number is 16250. And the	16.	MR. JAMES NEVILLE: I can get	
17.	built date on that was January 21, 2016.	17.	information on that. I believe that is UL listed,	
18.	And for Boiler 2, the national board	18.	but	
19.	number is 16261. And the date built is	19.	MS. LeVAN: It's possible that the	
20.	January 26, 2016.	20.	documentation was not updated by the manufacturer	
21.	Another thing to note is the boiler	21.	because that UL listing just came about within the	
22.	feed system. That is an atmospheric boiler feed	22.	past two years.	
23.	system. And the controls on this will be the	23.	MR. BAUGHMAN: UL listing was just	
24.	Hawk 4000, and that utilizes a Cleaver Brooks 780E	24.	in the past two years?	
25.	burner control.	25.	MS. LeVAN: I believe so. Am I	
	Page 74			Page 76
1.	Page 74 If there are any questions	1.	correct?	Page 76
1. 2.	_	1. 2.	correct? MR. JAMES NEVILLE: I believe I	Page 76
	If there are any questions	1	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on	Page 76
2.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we	2. 3. 4.	MR. JAMES NEVILLE: I believe I	Page 76
2. 3.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a	2. 3.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's	Page 76
2. 3. 4. 5. 6.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second?	2. 3. 4. 5. 6.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been	Page 76
2. 3. 4. 5. 6. 7.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second.	2. 3. 4. 5. 6. 7.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years.	Page 76
2. 3. 4. 5. 6. 7. 8.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So	2. 3. 4. 5. 6. 7. 8.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have	Page 76
2. 3. 4. 5. 6. 7. 8. 9.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion?	2. 3. 4. 5. 6. 7. 8. 9.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke.	Page 76
2. 3. 4. 5. 6. 7. 8. 9.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James?	2. 3. 4. 5. 6. 7. 8. 9.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes?	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply?	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL."	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes.	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780?	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes.	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy?	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy? MS. LeVAN: Flex boilers.	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the programmer, though, on that system.	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy? MS. LeVAN: Flex boilers. MR. BAUGHMAN: Which are what type	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the programmer, though, on that system. MR. JAMES NEVILLE: Correct.	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy? MS. LeVAN: Flex boilers. MR. BAUGHMAN: Which are what type of boiler?	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the programmer, though, on that system. MR. JAMES NEVILLE: Correct. MR. BAUGHMAN: And so what we've	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy? MS. LeVAN: Flex boilers. MR. BAUGHMAN: Which are what type of boiler? (No verbal response.)	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the programmer, though, on that system. MR. JAMES NEVILLE: Correct. MR. BAUGHMAN: And so what we've got is a total system, being the 4000. That total	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy? MS. LeVAN: Flex boilers. MR. BAUGHMAN: Which are what type of boiler?	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the programmer, though, on that system. MR. JAMES NEVILLE: Correct. MR. BAUGHMAN: And so what we've got is a total system, being the 4000. That total system needs to be UL listed instead of just one	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy? MS. LeVAN: Flex boilers. MR. BAUGHMAN: Which are what type of boiler? (No verbal response.)	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the programmer, though, on that system. MR. JAMES NEVILLE: Correct. MR. BAUGHMAN: And so what we've got is a total system, being the 4000. That total system needs to be UL listed instead of just one specific component in it. And that's something we	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy? MS. LeVAN: Flex boilers. MR. BAUGHMAN: Which are what type of boiler? (No verbal response.) MR. BAUGHMAN: Water tube? Fire tube? MS. LeVAN: Water tube.	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the programmer, though, on that system. MR. JAMES NEVILLE: Correct. MR. BAUGHMAN: And so what we've got is a total system, being the 4000. That total system needs to be UL listed instead of just one specific component in it. And that's something we need to identify.	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy? MS. LeVAN: Flex boilers. MR. BAUGHMAN: Which are what type of boiler? (No verbal response.) MR. BAUGHMAN: Water tube? Fire tube? MS. LeVAN: Water tube. MR. BAUGHMAN: Okay. Note under	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the programmer, though, on that system. MR. JAMES NEVILLE: Correct. MR. BAUGHMAN: And so what we've got is a total system, being the 4000. That total system needs to be UL listed instead of just one specific component in it. And that's something we need to identify. MR. JAMES NEVILLE: Okay.	Page 76
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	If there are any questions CHAIRMAN MORELOCK: Okay. So do we have a motion for this item? MR. ROBINSON: Motion to approve. CHAIRMAN MORELOCK: Okay. I have a motion. Do I have a second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. So discussion? MR. BAUGHMAN: James? MR. JAMES NEVILLE: Yes? MR. BAUGHMAN: These boilers were provided by Boiler Supply? MR. JAMES NEVILLE: Yes. MR. BAUGHMAN: And what type of boilers are they, Wendy? MS. LeVAN: Flex boilers. MR. BAUGHMAN: Which are what type of boiler? (No verbal response.) MR. BAUGHMAN: Water tube? Fire tube? MS. LeVAN: Water tube.	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	MR. JAMES NEVILLE: I believe I can get the information on that, the Hawk 4000, on the UL listing of that. MR. BAUGHMAN: Because if that's the case, that's interesting because we've been approving these systems for a number of years. MS. LeVAN: Forgive me. I may have misspoke. MR. JAMES NEVILLE: Now, if you look at B1 under Equipment Description, on the burner controller it says, "At the heart of the Hawk 4000 is the dedicated UL." MR. BAUGHMAN: 780? MR. JAMES NEVILLE: The 780, yes. MR. BAUGHMAN: The 780 is just the programmer, though, on that system. MR. JAMES NEVILLE: Correct. MR. BAUGHMAN: And so what we've got is a total system, being the 4000. That total system needs to be UL listed instead of just one specific component in it. And that's something we need to identify.	Page 76

ditorial-type cordinates of the place of the station and sour learning of the ditter of the training of the ditter of the training of the ditter of the ditt		Page 77			Page 7
detitorial-type corrupted to the placard. editorial-type corrupted to the placard. match. Sometime and you-all know sure all that text rome and you and you-all know sure all that text rome and you and you and you all that text rome and you all that you had you and you all that you had			1.	on the placard, to page 6. So the placard is in	
didn't see clearly the duties for the training of didn't see clearly the duties for the attendant. So if y most helpful. MR. JA. are training classes that, those job desofficial training. CHAIR will just add that will be just fine. And that's MR. BA comment. And it the emergency pr MR. JA MR. BA it he call, says, "Bo that's where it end remote station and so I've made a call off position and what? CHAIR detail you're look MR. BA CHAIR detail you're look MR. BA MR. BA CHAIR MR. BA MR.	I just have a couple. They're		2.	there; the personnel are looking at this; they've	
match. Sometime and you-all know sure all that text result that text results in the other. The other of the training of didn't see clearly the duties for the attendant. So if yellow that, those job description of the attendant. So if yellow that, those job description of the attendant. So if yellow that, those job description of the attendant. So if yellow that, those job description of the didn't see clearly the duties for the attendant. So if yellow that, those job description of the conficial training. CHAIR will just add that will be just fine. And that' MR. BA comment. And it the emergency properties of the call, says, "Both through 5 until active the call, says, "Both the call, says, "Bo	torial-type comments. It's a comment we make		3.	made their phone calls; that's the end of it.	
match. Sometime and you-all know sure all that text results that text results for the training of didn't see clearly the duties for the attendant. So if yellow most helpful. MR. JA. are training classed that, those job desofficial training. CHAIR will just add that will be just fine. And that's MR. BA. comment. And it may be most official training. the emergency present MR. JA. MR. BA. Number 5, which through 5 until action it ends there. And the call, says, "Both that's where it ends the	te often but make sure the text of your manual		4.	This needs to have more detail to it	
and you-all know sure all that text rands there. These job descriptor the training of didn't see clearly the duties for the attendant. So if yamost helpful. MR. JA. are training classed that, those job decofficial training. CHAIR will just add that will be just fine. And that's MR. BA. comment. And it MR. BA. comment. And it will be just fine. the emergency promote the emergency promote the call, says, "Both through 5 until action it ends there. And the call, says, "Both that's where it endometes the call, says, "Both that's where it endometes the call, says, "Both the call, says, "Both that's where it endometes the call, says, "Both that's where it endometes the call, says, "Both the call,	h the job titles and the organizational chart		5.	to describe to the remote station personnel what	
The other. These job descriptor the training of didn't see clearly the duties for the attendant. So if your most helpful. MR. JA. are training classed that, those job descriptor descriptor that, those job descriptor descriptor. CHAIR will just add that will be just fine. And that's MR. BA. comment. And it the emergency promote MR. JA. MR. BA. Number 5, which through 5 until actit ends there. And the call, says, "Both the call, says,	tch. Sometimes there's slight discrepancies,		6.	the next step is after I make the call.	
The other These job description for the training of didn't see clearly the duties for the attendant. So if y most helpful. MR. JA are training classes that, those job description official training. CHAIR will just add that will be just fine. And that's MR. BA comment. And it the emergency property MR. JA MR. BA comment. And it the call, says, "Bo that's where it ends there. And the call, says, "Bo that's where it ends the call, says, "Bo th	l you-all know it but we don't. So just make		7.	MR. JAMES NEVILLE: As far as	
7. the emergency pr 2. MR. JA 3. And that' 4. Will just add that will be just fine. 4. And that' 5. CHAIR 6. MR. JA 7. are training. 7. CHAIR 8. Lead official training. 8. And that' 9. CHAIR	e all that text matches.		8.	clearing the alarm?	
1. for the training of didn't see clearly the duties for the attendant. So if y most helpful. 6. MR. JA are training classes that, those job desofficial training. 7. CHAIR will just add that will be just fine. 8. And that's MR. BA comment. And it the emergency property of the call, says, "Both through 5 until act it ends there. And the call, says, "Both the call, says,	The other thing is in Appendix G.		9.	MR. BAUGHMAN: As far as anything.	
didn't see clearly the duties for the attendant. So if y most helpful. MR. JA are training classe that, those job de official training. CHAIR will just add that will be just fine. And that' MR. BA comment. And it the emergency pr MR. JA MR. BA comment. And it the call, says, "Bo that's where it end the call, says, "Bo that's where it end off position and - what? CHAIR detail you're look MR. BA CHAIR MR. BA MR. BA CHAIR MR. BA MR. BA MR. BA MR. BA MR. BA CHAIR CHAIR MR. BA MR.	ese job descriptions, they do list the duties		10.	All they've done is they've made the phone call.	
the duties for the attendant. So if y most helpful. MR. JA most helpful. MR. JA re training classes that, those job desofficial training. CHAIR will just add that will be just fine. And that' MR. BA comment. And it the emergency pr MR. JA MR. BA through 5 until active a	the training of the remote monitor, but I just		11.	They've turned the switch to the off position.	
4. attendant. So if y most helpful. 6. MR. JA 7. are training classes 8. that, those job des 9. official training. 0. CHAIR 1. will just add that 2. will be just fine. 3. And that's 4. MR. BA 5. comment. And it 1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station and 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. MR. BA 9. MR. BA 9. MR. BA 10. CHAIR 11. CHAIR 12. the placard. 12. CHAIR 13. CHAIR 14. CHAIR 15. CHAIR 16. CHAIR 17. MR. BA 18. MR. BA 19. MR. BA 19. MR. BA 19. CHAIR 10. CHAIR 11. CHAIR 12. The placard.	n't see clearly any detail for the training and		12.	They've made the call. Now that's all that's	
most helpful. MR. JA are training classes that, those job dee formal desired fo	duties for the trained and qualified boiler		13.	been dictated to them. Is there not procedures	
6. MR. JA 7. are training classe 8. that, those job de 9. official training. 0. CHAIR 1. will just add that 2. will be just fine. 3. And that' 4. MR. BA 5. comment. And it 1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 10. so I've made a ca 11. off position and - 12. what? 13. CHAIR 14. detail you're look 15. MR. BA 16. CHAIR 17. MR. BA 18. MR. BA 19. MR. BA 19. MR. BA 10. the placard. 11. CHAIR 12. the placard. 12. CHAIR 13. CHAIR 14. CHAIR 15. CHAIR 16. CHAIR 17. MR. BA 18. MR. BA 19. MR. BA 10. CHAIR 11. CHAIR 12. The placard.	endant. So if you can add that, that would be		14.	further, after that, that get dictated? In other	
are training classed that, those job decessed that, those job decessed official training. CHAIR will just add that will be just fine. And that MR. BA comment. And it the emergency pr MR. JA MR. BA Number 5, which through 5 until act it ends there. And it ends there. And it ends there it ends that's where it ends for it ends that a call off position and what? CHAIR MR. BA O. the placard. CHAIR CHAIR the placard.			15.	words, personnel, they would call them back and	
that, those job deserged official training. CHAIR twill just add that will be just fine. And that's MR. BA comment. And it the emergency pr MR. JA MR. BA MR. BA through 5 until ac tit ends there. And the call, says, "Bo that's where it end remote station and so I've made a ca off position and - what? CHAIR detail you're look MR. BA O. the placard. CHAIR the placard.	MR. JAMES NEVILLE: Okay. There		16.	say they've gone and made the clearing at the	
9. official training. 1. will just add that 2. will be just fine. 3. And that's 4. MR. BA 5. comment. And it 1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station and 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. MR. BA 10. the placard. 11. CHAIR 12. the placard.	training classes that are being a part of		17.	boiler room itself and now it's okay to put the	
O. CHAIR 1. will just add that 2. will be just fine. 3. And that' 4. MR. BA 5. comment. And it 1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 10. so I've made a ca 11. off position and - 12. what? 13. CHAIR 14. detail you're look 15. MR. BA 16. CHAIR 17. MR. BA 18. MR. BA 19. MR. BA 19. MR. BA 10. the placard. 11. CHAIR 12. the placard.	t, those job descriptions, we will update their		18.	boiler back to the on position and so forth.	
1. will just add that 2. will be just fine. 3. And that 4. MR. BA 5. comment. And it 1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. MR. BA 10. the placard. 11. CHAIR 12. the placard.	-		19.	MR. JAMES NEVILLE: Right. So as	
2. will be just fine. 3. And that' 4. MR. BA 5. comment. And it 1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station and 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. MR. BA 10. the placard. 11. CHAIR 12. the placard.	CHAIRMAN MORELOCK: Yeah. If you		20.	far as the you know, once the boiler operator	
3. And that' 4. MR. BA 5. comment. And it 1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. MR. BA 0. the placard. 1. CHAIR 2. the placard.	l just add that so we'll know that, and that		21.	has been notified, when they return to the boiler	
1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. the placard. 1. CHAIR	-		22.	room, then they must communicate with the remote	
1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. the placard. 1. CHAIR 2. the placard.	And that's all the comments I had.		23.	station to reset.	
1. the emergency pr 2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station and 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 10. the placard. 11. CHAIR 12. the placard.	MR. BAUGHMAN: I have one other		24.	MR. BAUGHMAN: Oh, I agree. I	
2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 10. the placard. 11. CHAIR 12. the placard.	nment. And it just comes down to, on page 10,		25.	understand that. You and I understand it. The	
2. MR. JA 3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a ca 1. off position and - what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 10. the placard. 11. CHAIR 12. the placard.		Page 78			Page
3. MR. BA 4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a cal 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. the placard. 1. CHAIR 2. the placard.	emergency procedures.		1.	remote station personnel may not understand that,	
4. Number 5, which 5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. the placard. 1. CHAIR 2. the placard.	MR. JAMES NEVILLE: Yes.		2.	though. There's no protocol listed on what	
5. through 5 until ac 6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. the placard. 1. CHAIR 2. the placard.	MR. BAUGHMAN: It leaves off at		3.	happens after that phone call is made.	
6. it ends there. And 7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a cal 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. BA 9. MR. BA 9. the placard. 1. CHAIR 2. the placard.	mber 5, which is calling. "Repeat Items 2		4.	CHAIRMAN MORELOCK: Well, but I	
7. the call, says, "Bo 8. that's where it end 9. remote station an 0. so I've made a cal 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 9. the placard. 1. CHAIR 2. the placard.	ough 5 until acknowledgment is received." But		5.	think the disconnect I'm seeing is this: Once the	
8. that's where it end 9. remote station an 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 0. the placard. 1. CHAIR 2. the placard.	nds there. And so the remote station makes		6.	boiler is shut down and the calls have been made,	
9. remote station an 0. so I've made a ca 1. off position and - 2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 0. the placard. 1. CHAIR 2. the placard.	call, says, "Boiler is in alarm status," and		7.	are you still in an emergency situation? Right?	
o. so I've made a call off position and - what? CHAIR detail you're look MR. BA CHAIR MR. BA MR. JA MR. BA MR. BA CHAIR CHAIR CHAIR the placard.	's where it ends. And if I'm sitting in the		8.	Is that kind of what you're thinking?	
 off position and - what? CHAIR detail you're look MR. BA CHAIR MR. BA MR. JA MR. BA MR. JA CHAIR CHAIR the placard. the placard. 	note station and this is what I'm going by, and		9.	MR. JAMES NEVILLE: That was why he	
2. what? 3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 0. the placard. 1. CHAIR 2. the placard.	I've made a call and I put the boiler to the		10.	hadn't we just put	
3. CHAIR 4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 20. the placard. 21. CHAIR 22. the placard.	position and I've made my phone calls. Now		11.	CHAIRMAN MORELOCK: Because then	,
4. detail you're look 5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 10. the placard. 11. CHAIR 12. the placard.	at?		12.	once the boiler is shut down, the emergency is	
5. MR. BA 6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 20. the placard. 21. CHAIR 22. the placard.	CHAIRMAN MORELOCK: I think the		13.	over. Then they're back to their regular remote	
6. CHAIR 7. MR. BA 8. MR. JA 9. MR. BA 20. the placard. 21. CHAIR 22. the placard.	ail you're looking for is on page 6.		14.	monitoring boiler attendant duties, right? Is	
7. MR. BA 8. MR. JA 9. MR. BA 10. the placard. 11. CHAIR 12. the placard.	MR. BAUGHMAN: Page 6?		15.	that what you're thinking?	
8. MR. JA 9. MR. BA 10. the placard. 11. CHAIR 12. the placard.	CHAIRMAN MORELOCK: Yes.		16.	MR. JAMES NEVILLE: That was the	
9. MR. BA 0. the placard. 1. CHAIR 2. the placard.	MR. BAUGHMAN: Okay.		17.	thinking on, you know, keeping the emergency part	
 the placard. CHAIR the placard. 	MR. JAMES NEVILLE: Right. So		18.	of it just, you know, shut it down	
 the placard. CHAIR the placard. 	MR. BAUGHMAN: But this is actually		19.	CHAIRMAN MORELOCK: Right.	
 CHAIR the placard. 	placard.		20.	MR. JAMES NEVILLE: call those	
2. the placard.	CHAIRMAN MORELOCK: Right. That's		21.	with responsibility to the boilers and	
=	_		22.	CHAIRMAN MORELOCK: Well or you	1
3. MR. BA	MR. BAUGHMAN: So the placard is		23.	could copy Item 3 and 4 from page 6 onto the	
	at they're going by. They're not going by and		24.	yellow page and you're good to go. Either way	
	king up and going to page 6. Nothing refers,		25.	will work.	

1.	Page 8	1	Page 8
	MR. BAUGHMAN: I just feel like if	1.	boiler inspector. So all in favor say "aye."
2.	this is the only placard they've got and this is	2.	(Affirmative response.)
3.	the placard that's being posted, this is what	3.	CHAIRMAN MORELOCK: Opposed?
4.	they've got to refer to, it falls a little bit	4.	(No verbal response.)
5.	short.	5.	CHAIRMAN MORELOCK: Abstentions,
6.	CHAIRMAN MORELOCK: Okay.	6.	not voting?
7.	MR. BAUGHMAN: That's my two cents'	7.	(No verbal response.)
8.	worth. That's open for discussion, but	8.	CHAIRMAN MORELOCK: You have an
9.	How do you feel as a plant manager?	9.	approved variance.
10.	MR. JONES: I'm in agreement with	10.	MR. JONES: Thank you.
11.	you. And as the Chairman has spoken, maybe we	11.	CHAIRMAN MORELOCK: Thank you.
12.	need to take a 3 and 4 and we need to add it to it	12.	And so to help out our chief
13.	and let us review it and make sure that we've got	13.	inspector, when the site visit comes, if you can
4.	our ducks in a row. Because we want to make sure	14.	have the comments we've given you implemented into
15.	that we're in a safe condition.	15.	your manual, that would be a big help to the
	CHAIRMAN MORELOCK: I mean, you	16.	State.
l6.	•	17.	
7.	don't want to negate the fact that you've trained		MR. JAMES NEVILLE: And we
8.	them, per the manual.	18.	typically list those at the back of Appendix I.
9.	MR. JONES: Right.	19.	CHAIRMAN MORELOCK: Yes.
20.	CHAIRMAN MORELOCK: So they're	20.	MR. JAMES NEVILLE: We'll have
21.	going to know what to do beyond 5; it's just not	21.	those updated for you.
22.	written down. But excellent point. I take no	22.	MR. JONES: Just one question. As
23.	issue with your comment. I agree with you.	23.	we are a new facility and we're growing and we
24.	MR. JAMES NEVILLE: We'll add a 6	24.	haven't gotten to our full staff yet, so if we
25.	and a 7 and refer back to page 6. I think that	25.	make adjustments on contact persons, like,
	Page 8	2	Page 8
1.	will tie the loop.	1.	currently we're using our most experienced boiler
2.	CHAIRMAN MORELOCK: Okay. Any	2.	attendant as our site contact, but I've recently
3.	other comments?	3.	been added to the staff so I'd like to change that
	(No youhal magnanaa)	4.	
4.	(No verbai response.)		to at least include me to ensure that we have a
4. 5.	(No verbal response.) CHAIRMAN MORELOCK: Okay, Hearing		
5.	CHAIRMAN MORELOCK: Okay. Hearing	5.	clear communication line. So when we make those
5. 6.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table	5. 6.	clear communication line. So when we make those changes, do we just incorporate that too or do you
5.6.7.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant	5. 6. 7.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now?
5.6.7.8.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments,	5. 6. 7. 8.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any
5.6.7.8.9.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say	5. 6. 7. 8. 9.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your
5. 6. 7. 8. 9.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye."	5. 6. 7. 8. 9.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board.
5. 6. 7. 8. 9.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would	5. 6. 7. 8. 9. 10.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay.
5. 6. 7. 8. 9. 10.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the	5. 6. 7. 8. 9. 10. 11.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial
5. 6. 7. 8. 9. 10. 11. 12.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself.	5. 6. 7. 8. 9. 10. 11. 12.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and
5. 6. 7. 8. 9. 0. 11. 2. 3.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point.	5. 6. 7. 8. 9. 10. 11. 12. 13.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as	5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve
5. 6. 7. 8. 9. 0. 1. 2. 3. 4. 5. 6.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as the site inspection by the chief boiler inspector,	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve that.
5. 6. 7. 8. 9. 0. 1. 2. 3. 4. 5. 6. 7.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as the site inspection by the chief boiler inspector, as well. All these are always contingent on their	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve that. MR. JONES: Thank you.
5. 6. 7. 8. 9. 0. 1. 2. 3. 4. 5. 6. 7. 8.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as the site inspection by the chief boiler inspector, as well. All these are always contingent on their inspection of the facility, so okay.	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve that. MR. JONES: Thank you. CHAIRMAN MORELOCK: You're very
5. 6. 7. 8. 9. 0. 1. 2. 3. 4. 5. 6. 7. 8. 9.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as the site inspection by the chief boiler inspector, as well. All these are always contingent on their inspection of the facility, so okay. MS. BENNETT: And did you do the	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve that. MR. JONES: Thank you. CHAIRMAN MORELOCK: You're very welcome. Thank you.
5. 6. 7. 8. 9. 0. 1. 2. 3. 4. 5. 6. 7. 8. 9. 00.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as the site inspection by the chief boiler inspector, as well. All these are always contingent on their inspection of the facility, so okay. MS. BENNETT: And did you do the conflict already?	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve that. MR. JONES: Thank you. CHAIRMAN MORELOCK: You're very welcome. Thank you. Okay. Our next item is 16-11,
5. 6. 7. 8. 9. 0. 1. 2. 3. 4. 5. 6. 7. 8. 9. 20. 21.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as the site inspection by the chief boiler inspector, as well. All these are always contingent on their inspection of the facility, so okay. MS. BENNETT: And did you do the	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve that. MR. JONES: Thank you. CHAIRMAN MORELOCK: You're very welcome. Thank you. Okay. Our next item is 16-11, U.S. Nitrogen, LLC requests a modification to the
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as the site inspection by the chief boiler inspector, as well. All these are always contingent on their inspection of the facility, so okay. MS. BENNETT: And did you do the conflict already?	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve that. MR. JONES: Thank you. CHAIRMAN MORELOCK: You're very welcome. Thank you. Okay. Our next item is 16-11,
5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 222.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as the site inspection by the chief boiler inspector, as well. All these are always contingent on their inspection of the facility, so okay. MS. BENNETT: And did you do the conflict already? CHAIRMAN MORELOCK: Yes. Eugene	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve that. MR. JONES: Thank you. CHAIRMAN MORELOCK: You're very welcome. Thank you. Okay. Our next item is 16-11, U.S. Nitrogen, LLC requests a modification to the
5. 6. 7. 8. 9.	CHAIRMAN MORELOCK: Okay. Hearing none, we have a motion and a second on the table to approve this variance to the Rule 22 attendant rule. If there's no other questions or comments, I'm going to call the question. All in favor say "aye." MR. BAUGHMAN: I'm sorry. I would make that contingent upon the UL approval of the controller itself. CHAIRMAN MORELOCK: Good point. Good point. Well, contingent on that, as well as the site inspection by the chief boiler inspector, as well. All these are always contingent on their inspection of the facility, so okay. MS. BENNETT: And did you do the conflict already? CHAIRMAN MORELOCK: Yes. Eugene kept me honest.	5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	clear communication line. So when we make those changes, do we just incorporate that too or do you need to know that now? CHAIRMAN MORELOCK: Well, any technical change to your monitoring system in your boiler operation would come to the board. MR. JONES: Okay. CHAIRMAN MORELOCK: But editorial changes and adjusting your organization charts and some things like that, send it to the State of Tennessee, to the Boiler Unit, and they'll approve that. MR. JONES: Thank you. CHAIRMAN MORELOCK: You're very welcome. Thank you. Okay. Our next item is 16-11, U.S. Nitrogen, LLC requests a modification to the variance, an existing variance, for four

	Page 85	Τ		Page 87
1.	conflict.	1.	MR. JAMES NEVILLE: Yes well	
2.	CHAIRMAN MORELOCK: Okay.	2.	MR. MOON: Well, we have the	
3.	Conflicts of interest? Any?	3.	variance but we're still doing the 20-minute	
4.	MR. BAUGHMAN: Myself.	4.	rounds.	
5.	CHAIRMAN MORELOCK: Okay. So we do	5.	MR. ROBINSON: For the other three	
6.	have one conflict.	6.	units you're using.	
7.	MR. JAMES NEVILLE: Again, James	7.	MR. MOON: Yes.	
8.	Neville with Neville Engineering.	8.	MR. ROBINSON: Maybe I'll reword	
9.	MR. MOON: Marty Moon.	9.	the question.	
10.	U.S. Nitrogen operations manager.	10.	MR. MOON: Yeah.	
11.	MR. HARRIS: Randy Harris.	11.	MR. ROBINSON: Forgive me. For the	
12.	U.S. Nitrogen chief inspector.	12.	other three units, you're operating a variance?	
13.	CHAIRMAN MORELOCK: Welcome. Go	13.	MR. MOON: Well, one of the units	
14.	ahead and present your case.	14.	is currently operational and the other two haven't	
15.	MR. JAMES NEVILLE: Today we're	15.	started yet. But we're still operating on the	
16.	adding one waste heat boiler in Appendix A. That	16.	20-minute rounds because we were wanting to get	
17.	is the fourth column that's identified as E3404.	17.	them all inspected together.	
18.	That was manufactured by Struthers Wells Gulfport,	18.	MR. HARRIS: My understanding in	
19.	Inc. The date that that was built was 1987.	19.	communications with the State is that all four of	
20.	And I would like Marty to go over the	20.	these have to be operational because it's under	
21.	operations of that boiler and explain the as	21.	one variance.	
22.	far as the process the waste heat that they're	22.	MR. ROBINSON: Okay. So you	
23.	using.	23.	haven't yet to have	
24.	MR. MOON: The waste heat is	24.	MR. HARRIS: So we are still using	
25.	generated by the oxidation of ammonia and air in	25.	20-minute attendants.	
	Page 86	+		Page 88
1.	Page 86 the presence of a platinum gauze upstream of the	1.	MR. ROBINSON: So you haven't had	Page 88
1. 2.	-	1. 2.	MR. ROBINSON: So you haven't had your audit.	Page 88
1	the presence of a platinum gauze upstream of the	1		Page 88
2.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees	2.	your audit.	Page 88
2. 3.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed	2. 3.	your audit. MR. HARRIS: Yeah. Correct.	Page 88
2. 3. 4.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down	2. 3. 4.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other	Page 88
2. 3. 4. 5.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray.	2. 3. 4. 5.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments?	Page 88
2. 3. 4. 5. 6.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction	2. 3. 4. 5. 6.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler	Page 88
2. 3. 4. 5. 6. 7.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to	2. 3. 4. 5. 6. 7.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler	Page 88
2. 3. 4. 5. 6. 7. 8.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is	2. 3. 4. 5. 6. 7. 8.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who	Page 88
2. 3. 4. 5. 6. 7. 8. 9.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it?	2. 3. 4. 5. 6. 7. 8. 9.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers."	Page 88
2. 3. 4. 5. 6. 7. 8. 9.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open	2. 3. 4. 5. 6. 7. 8. 9.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item?	2. 3. 4. 5. 6. 7. 8. 9. 10.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under?	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made.	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second?	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second? DR. JOHNSON: Second.	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do our boiler training for all of our outside	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay.	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do our boiler training for all of our outside operators for the auxillary boilers and the waste	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. Discussion?	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do our boiler training for all of our outside operators for the auxillary boilers and the waste heat boilers. It was about a week-long course. I	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. Discussion? MR. ROBINSON: This is a prior	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do our boiler training for all of our outside operators for the auxillary boilers and the waste heat boilers. It was about a week-long course. I remember the training was about 40 hours.	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. Discussion? MR. ROBINSON: This is a prior approval?	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do our boiler training for all of our outside operators for the auxillary boilers and the waste heat boilers. It was about a week-long course. I remember the training was about 40 hours. In addition to that baseline	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. Discussion? MR. ROBINSON: This is a prior approval? (No verbal response.)	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do our boiler training for all of our outside operators for the auxillary boilers and the waste heat boilers. It was about a week-long course. I remember the training was about 40 hours. In addition to that baseline training, so to speak, to be qualified to be an	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. Discussion? MR. ROBINSON: This is a prior approval? (No verbal response.) MR. ROBINSON: Is this a prior	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do our boiler training for all of our outside operators for the auxillary boilers and the waste heat boilers. It was about a week-long course. I remember the training was about 40 hours. In addition to that baseline training, so to speak, to be qualified to be an outside operator/boiler attendee, they have to be	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. Discussion? MR. ROBINSON: This is a prior approval? (No verbal response.) MR. ROBINSON: Is this a prior approval? Do you have three other units?	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do our boiler training for all of our outside operators for the auxillary boilers and the waste heat boilers. It was about a week-long course. I remember the training was about 40 hours. In addition to that baseline training, so to speak, to be qualified to be an outside operator/boiler attendee, they have to be qualified in the procedures to run that boiler.	Page 88
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	the presence of a platinum gauze upstream of the boiler. It generates about 1600 degrees Fahrenheit processed gas temp. That is passed through the boiler through tubes and then on down into the rest of our exchanger tray. The loss of ammonia to that reaction immediately would extinguish the heat source to that boiler. It's about that simple, I guess is the way to say it. Are there questions about it? CHAIRMAN MORELOCK: Before we open that, do I have a motion for this item? MR. ROBINSON: Yes. Motion made. CHAIRMAN MORELOCK: So moved. And second? DR. JOHNSON: Second. CHAIRMAN MORELOCK: Okay. Discussion? MR. ROBINSON: This is a prior approval? (No verbal response.) MR. ROBINSON: Is this a prior approval? Do you have three other units? MR. JAMES NEVILLE: Yes.	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 20. 21. 22. 23.	your audit. MR. HARRIS: Yeah. Correct. CHAIRMAN MORELOCK: Any other comments? MR. BAUGHMAN: Page 7, Boiler Attendant Procedures, it says, "The boiler attendant is a trained, qualified individual who is designated to operate and monitor the boilers." What training and under what qualification does that fall under? MR. MOON: Let me look for that further because I can't remember the name of the outfit, but we hired a company to come in and do our boiler training for all of our outside operators for the auxillary boilers and the waste heat boilers. It was about a week-long course. I remember the training was about 40 hours. In addition to that baseline training, so to speak, to be qualified to be an outside operator/boiler attendee, they have to be qualified in the procedures to run that boiler. And in this case, they would also have to be	Page 88

	Page 89			Page 9
1.	piggy-back off your comment, I went back and went	1.	We'll still leave that currently under	
2.	through our March 2015 meeting minutes, and that	2.	construction, then.	
3.	was one of the comments, was that in Appendix G	3.	MR. MOON: Okay.	
4.	you need to show that the operating shift	4.	CHAIRMAN MORELOCK: And I think	
5.	supervisor duties as being a boiler attendant.	5.	that's the extent of my comments. So any other	
6.	What about the operator as well?	6.	comments or questions?	
7.	In March of 2015, the comment we gave	1 7.	MR. ROBINSON: No.	
8.	was receive one week of training on boiler	8.	MR. BAUGHMAN: So with the waste	
9.	operations, specific equipment procedures and how	9.	heat boiler, with the emergency procedure of	
0.	to monitor the boilers; be required to have	10.	it's different than with the fuel fire boilers,	
1.	on-the-job orientation and training. And so that	11.	but yet we're it's talking about shutting the	
2.	comment was never implemented after our meeting in	12.	boiler down how do we shut the heat source off	
2. 3.	March of 2015. So we need to add that to the	13.		
5. 4.		14.	in an emergency situation with it?	
	manual.		MR. MOON: There's an e-stop trip	
5.	MR. JAMES NEVILLE: We will add	15.	button that's within the vicinity of the boiler	
5.	that to the under the for the operator under	16.	and the vicinity of the converter cone where the	
7.	the knowledge part. We'll add that as their	17.	heat is made. If you hit that button, it	
8.	boiler training.	18.	automatically discontinues the ammonia flow to the	
9.	CHAIRMAN MORELOCK: And so what you	19.	process and that automatically shuts off the heat	
0.	can do is go out to the state website, pull the	20.	level.	
1.	minutes up, and Cassandra has every bit of that	21.	CHAIRMAN MORELOCK: So could the	
2.	typed out for you perfectly.	22.	remote monitor shut it down as well?	
3.	MR. JAMES NEVILLE: Yes. Okay. We	23.	MR. MOON: He absolutely can.	
4.	will add that to both the operator and the	24.	CHAIRMAN MORELOCK: Okay.	
5.	operating shift supervisor.	25.	MR. MOON: He's got a button in the	
	Page 90			Page 9
1.	CHAIRMAN MORELOCK: Yes. And while	1.	control room.	
2.	you're doing that, on page 1 of this manual, which	2.	CHAIRMAN MORELOCK: Okay.	
3.	again is a modification to the manual you	3.	MR. MOON: Or he can shut it off on	
4.	presented March of 2015, it stated that page 1	4.	the DCS.	
5.	states Randall Harris is responsible to implement	5.	CHAIRMAN MORELOCK: Okay.	
6.	the variance, and Appendix K states that Marty is	6.	MR. BAUGHMAN: Other apparatus,	
7.	responsible for the variance, so you need to fix	7.	they could shut it down? Are there low waters, I	
7. 8.	that comment, too.	8.	take it, that do the exact same thing, are tied	
9.	On page C-12 and C-1, you did update	9.	into that same circuit?	
	* *			
0.	the manual to add the list of alarm codes, which	10.	MR. MOON: Absolutely.	
1.	is great, and you also added words about the	11.	MR. BAUGHMAN: Okay.	
2.	safety control parameters being password	12.	Over-pressurization?	
3.	protected, so that was good. So those changes	13.	MR. MOON: Yeah.	
	were made, so I thank you for those.	14.	MR. BAUGHMAN: Okay.	
		15.	MR. MOON: And we even have a high	
4. 5.	On page 1, the second sentence states		level because, for other reasons, we can impinge	
5. 6.	that you're currently under construction. So are	16.		
5. 5.		16. 17.	water against our turbine, which is additionally	
5. 5. 7.	that you're currently under construction. So are			
5. 5. 7. 3.	that you're currently under construction. So are you still currently under construction or are you	17.	water against our turbine, which is additionally	
5. 5. 7. 8.	that you're currently under construction. So are you still currently under construction or are you operating?	17. 18.	water against our turbine, which is additionally as bad. So yeah, those controls are all set	
5. 5. 7. 8. 9.	that you're currently under construction. So are you still currently under construction or are you operating? MR. MOON: We are we have the	17. 18. 19.	water against our turbine, which is additionally as bad. So yeah, those controls are all set together.	
5. 5. 7. 8. 9. 0.	that you're currently under construction. So are you still currently under construction or are you operating? MR. MOON: We are we have the ability to operate the acid plant where the boiler in question is. And the auxillary boiler is	17. 18. 19. 20.	water against our turbine, which is additionally as bad. So yeah, those controls are all set together. MR. BAUGHMAN: So if you cut the	
5. 6. 7. 8. 9. 0. 1.	that you're currently under construction. So are you still currently under construction or are you operating? MR. MOON: We are we have the ability to operate the acid plant where the boiler in question is. And the auxillary boiler is operational. The additional two waste heat	17. 18. 19. 20. 21. 22.	water against our turbine, which is additionally as bad. So yeah, those controls are all set together. MR. BAUGHMAN: So if you cut the fuel source off, the feed water is a modulating	
5. 6. 7. 8. 9. 0.	that you're currently under construction. So are you still currently under construction or are you operating? MR. MOON: We are we have the ability to operate the acid plant where the boiler in question is. And the auxillary boiler is operational. The additional two waste heat boilers and the ammonia plants are not currently	17. 18. 19. 20. 21. 22. 23.	water against our turbine, which is additionally as bad. So yeah, those controls are all set together. MR. BAUGHMAN: So if you cut the fuel source off, the feed water is a modulating feed water on this particular unit? MR. MOON: Yeah. Feed water is	
5. 6. 7. 8. 9. 0. 11.	that you're currently under construction. So are you still currently under construction or are you operating? MR. MOON: We are we have the ability to operate the acid plant where the boiler in question is. And the auxillary boiler is operational. The additional two waste heat	17. 18. 19. 20. 21. 22.	water against our turbine, which is additionally as bad. So yeah, those controls are all set together. MR. BAUGHMAN: So if you cut the fuel source off, the feed water is a modulating feed water on this particular unit?	

	Page 93	-	Page
1.	you'll lose the heat but you won't necessarily	1.	building with the Tennessee Department of Labor,
2.	lose feed water. It will just maintain a level.	2.	the first floor, in the Pearl Room. And I'm not
3.	MR. BAUGHMAN: Okay. So the feed	3.	sure if you-all have had the opportunity, all of
1.	water modulating control is independent, and if	4.	you all, but it is going to be in this building to
5.	you hit the e-stop, it's not going to kill the	5.	all of our guests.
5.	power to the modulating control valve?	6.	The conference committee, as well as
7.	MR. MOON: (Shakes head.)	7.	a subcommittee, was formed to secure specific
3.	MR. BAUGHMAN: Okay. Good.	8.	information regarding the budget, financing,
€.	CHAIRMAN MORELOCK: Any other	9.	presenters, marketing, things of that nature. The
).	comments?	10.	host hotel is going to be the Millenium Maxwell
1.	MR. ROBINSON: And if you hit the	11.	House. We have a projection of approximately
2.	e-stop, all of your fans or cooling apparatuses	12.	150 persons in attendance.
3.	will continue to run?	13.	Currently, the hotel contract is in
1.	MR. MOON: Absolutely. Yeah, this	14.	review by our legal division prior to signature.
5.	boiler doesn't have an FD or an ID, but the	15.	We are preparing we have prepared, rather, a
5.	cooling water system is still	16.	draft agenda. We've had assistance from board
7.	MR. ROBINSON: It'll still cycle.	17.	members for topics of interest. We've got room on
3.	MR. MOON: Uh-huh.	18.	the agenda, of course, for any additional items.
9.	CHAIRMAN MORELOCK: Anything else?	19.	We do have some exciting things planned, but we
).	(No verbal response.)	20.	are going to solicit if you guys would like to add
1.	CHAIRMAN MORELOCK: Hearing none,	21.	anything to the agenda.
2.	we've got a motion to approve the modification to	22.	To announce the conference, of
3.	U.S. Nitrogen, the existing variance to add this	23.	course, we will have the information on our
4.	fourth waste heat boiler contingent on really	24.	website. We'll be sending out documents with our
5.	contingent on the site visit for all four boilers	25.	outgoing correspondence, like, with our
	Page 94		Page
l.	and to check the operation.	1.	certificates and our invoices. Any type of
2.	And so with that, I'll call the	2.	outgoing correspondence will include the
3.	question. All in favor say "aye."	3.	announcement. But, of course, we're going to have
4.	(Affirmative response.)	4.	to limit it to 150 participants.
5.	CHAIRMAN MORELOCK: Opposed?	5.	The conference is going to be five
6.	(No verbal response.)	6.	days. We'll have receptions and different things
7.	CHAIRMAN MORELOCK: Abstentions,	7.	planned. So we are very excited to announce this
8.	not voting?	8.	and that the plans are underway.
9.	MR. BAUGHMAN: I had a conflict on	9.	CHAIRMAN MORELOCK: So Monday will
).	that, so I retract that vote.	10.	be the registration day?
1.	CHAIRMAN MORELOCK: So I will vote	11.	MS. RHONE: Right, Monday. Most of
2.	in your absence to make sure we so I will vote	12.	the participants will probably come in Monday
3.	for.	13.	after their workday, and we'll have a registration
4.	And so you have an approved variance.	14.	table available, and then Tuesday with the actual
5.	MR. JAMES NEVILLE: Thank you.	15.	conference and things kicking off.
<i>5</i> . б.	CHAIRMAN MORELOCK: That concludes	16.	CHAIRMAN MORELOCK: So you'll have
7.	our new business.	17.	the conference kickoff on Tuesday, then the board
7. 8.	Item IX is Open Discussion Items, and	18.	meeting on Wednesday
3. 9.	Ms. Deborah Rhone is going to give us an update on	19.	MS. RHONE: Yes.
).).	the fall conference.	20.	CHAIRMAN MORELOCK: and then
). 1.	MS. RHONE: The update for the	$\begin{bmatrix} 20. \\ 21. \end{bmatrix}$	some additional, maybe, training or presenters on
1. 2.	September 19th through the 23rd fall conference is	22.	Thursday?
۷. 3.	exciting. We're happy to say that plans are	23.	
٥.	ongoing to host that. And, of course, it's going	24.	MS. RHONE: Right. We will have
1	ongoing to nost that. And, of course, it's going	- 1	presenters for the training. Again, there's a request for any national or ASME trainers to come
4. 5.	to be held here in the Nashville area, in this	25.	

	Page 9'	·		Page 99
1.	in and present to the audience as well.	1.	register.	
2.	CHAIRMAN MORELOCK: Okay.	2.	MR. BAUGHMAN: So that would be 150	
3.	MS. RHONE: And then we'll have	3.	not including people like ourselves?	
4.	the banquet will be that Thursday night. And then	4.	MS. RHONE: Yes.	
5.	that Friday we'll have a session, but it should	5.	MR. BAUGHMAN: Very good. Okay.	
6.	end around noon.	6.	CHAIRMAN MORELOCK: All right.	
7.	CHAIRMAN MORELOCK: Okay. Very	7.	Anything else?	
8.	good.	8.	MR. ROBINSON: Any prearrangements	
9.	MS. RHONE: So you'll all be	9.	for the hotel accommodations?	
10.	hearing from me.	10.	MS. RHONE: Yes. That's the	
11.	CHAIRMAN MORELOCK: Does anybody	11.	contract that's being reviewed now.	
12.	have any questions or comments?	12.	CHAIRMAN MORELOCK: Okay.	
13.	MR. BAUGHMAN: You had mentioned	13.	MS. RHONE: And once that's	
14.	that we're going to limit it to 150 participants.	14.	MR. ROBINSON: So are you going to	
15.	Is that correct, what I heard?	15.	designate	
16.	MS. RHONE: Right now, yes. Yes.	16.	MS. RHONE: A block.	
17.	MR. BAUGHMAN: Okay. How are we	17.	MR. ROBINSON: You're going to have	
18.	going to do that? I mean, first come first	18.	them yeah, a block of	
19.	served? You said	19.	MS. RHONE: Yes, we'll designate a	
20.	MS. RHONE: Exactly. We're going	20.	block of rooms and then we'll be able to announce	
21.	to put it out on the website as well as the	21.	that cut-off date and everything in the flier.	
22.	fliers, but, you know, we're going to have to	22.	CHAIRMAN MORELOCK: Okay.	
23.	limit it.	23.	MR. ROBINSON: Okay.	
24.	MR. BAUGHMAN: Are we limiting it	24.	MR. BAUGHMAN: Have we worked out a	
25.	to in-state personnel? I know in the past we've	25.	cost?	
	•			
-				
	Page 98	3	P	age 100
1.	Page 98 had surrounding states, but I'm just trying to get	1.	P MS. RHONE: Did you want to address	age 100
1. 2.	-			age 100
1	had surrounding states, but I'm just trying to get	1.	MS. RHONE: Did you want to address	age 100
2.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because	1. 2.	MS. RHONE: Did you want to address that?	age 100
2. 3.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would	1. 2. 3.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you	age 100
2. 3. 4.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have	1. 2. 3. 4. 5. 6.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget.	age 100
2. 3. 4. 5.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting	1. 2. 3. 4. 5.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the	age 100
2. 3. 4. 5. 6.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have	1. 2. 3. 4. 5. 6.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget.	age 100
2. 3. 4. 5. 6. 7. 8. 9.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding	1. 2. 3. 4. 5. 6. 7.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking	age 100
2. 3. 4. 5. 6. 7. 8.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay.	1. 2. 3. 4. 5. 6. 7.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why,	1. 2. 3. 4. 5. 6. 7. 8. 9.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh.	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh.	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MS. RHONE: Oh.	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants.	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that particular day. But we've had some really nice	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants. MS. JEFFERSON: Oh, well, actually,	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that particular day. But we've had some really nice events in that particular room, and we want to	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants. MS. JEFFERSON: Oh, well, actually, this will be a nice little treat to you all	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that particular day. But we've had some really nice events in that particular room, and we want to utilize that. The capacity is 300, I believe.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants. MS. JEFFERSON: Oh, well, actually, this will be a nice little treat to you all because the Department will be paying for it.	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that particular day. But we've had some really nice events in that particular room, and we want to	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants. MS. JEFFERSON: Oh, well, actually, this will be a nice little treat to you all	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that particular day. But we've had some really nice events in that particular room, and we want to utilize that. The capacity is 300, I believe.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants. MS. JEFFERSON: Oh, well, actually, this will be a nice little treat to you all because the Department will be paying for it.	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that particular day. But we've had some really nice events in that particular room, and we want to utilize that. The capacity is 300, I believe. CHAIRMAN MORELOCK: I think 150 is	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants. MS. JEFFERSON: Oh, well, actually, this will be a nice little treat to you all because the Department will be paying for it. That's why	rage 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that particular day. But we've had some really nice events in that particular room, and we want to utilize that. The capacity is 300, I believe. CHAIRMAN MORELOCK: I think 150 is about the max we've had in the past anyway.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants. MS. JEFFERSON: Oh, well, actually, this will be a nice little treat to you all because the Department will be paying for it. That's why MR. ROBINSON: A hundred percent?	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that particular day. But we've had some really nice events in that particular room, and we want to utilize that. The capacity is 300, I believe. CHAIRMAN MORELOCK: I think 150 is about the max we've had in the past anyway. MS. RHONE: It's a good average. CHAIRMAN MORELOCK: It's actually clever marketing because if you say it's limited	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants. MS. JEFFERSON: Oh, well, actually, this will be a nice little treat to you all because the Department will be paying for it. That's why MR. ROBINSON: A hundred percent? MS. JEFFERSON: Yes. We'll be	age 100
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	had surrounding states, but I'm just trying to get a grasp on our limitations of personnel, because that would get I would anticipate that would get booked up pretty quick. MS. RHONE: No. We're not limiting this to in-state. You know, in the past, we have had some of the participants from the surrounding states which has really been good. So no, we're not limiting it. MR. BAUGHMAN: Okay. MS. JEFFERSON: And the reason why, just to be clear, is because we're utilizing the Pearl Room. We've had lots of really nice functions in that room. We can fix it up, you know, how we want it, conference style. Because you all came and we had the "horseshoe" that particular day. But we've had some really nice events in that particular room, and we want to utilize that. The capacity is 300, I believe. CHAIRMAN MORELOCK: I think 150 is about the max we've had in the past anyway. MS. RHONE: It's a good average. CHAIRMAN MORELOCK: It's actually	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23.	MS. RHONE: Did you want to address that? MS. JEFFERSON: Sure. I think you have the budget. MS. RHONE: Oh, yeah, I've got the budget. MS. JEFFERSON: Are you talking about the total cost? MS. RHONE: Or are you talking about the cost per MR. BAUGHMAN: No. Just the cost for individuals. MS. JEFFERSON: Oh. MS. RHONE: Oh. MR. BAUGHMAN: Not so much the rooms, but for the participants. MS. JEFFERSON: Oh, well, actually, this will be a nice little treat to you all because the Department will be paying for it. That's why MR. ROBINSON: A hundred percent? MS. JEFFERSON: Yes. We'll be paying for it. And simply because we have to be	age 100

	Page 101		Page 1
1.	MS. JEFFERSON: I know Dr. Johnson	1.	friends with you to call out your blind spots and
2.	was really concerned, we have to be careful, you	2.	say, "What are you doing?" And, you know, it's
3.	know, how we do things. And if there's no rule	3.	good to have that great accountability.
l .	that requires a registration fee, we're not	4.	Dr. Johnson got his BSME, Bachelor of
í.	supposed to request a registration fee from the	5.	Science in Mechanical Engineering, from Worchester
ó.	public. So since we don't have a rule or anything	6.	Polytechnic Institute in 1973. He went on to
7.	that addresses that, then the Department will be	7.	Georgia Institute of Technology in 1974 and got
3.	paying that expense.	8.	his master's degree. And then he finished up in
9.	CHAIRMAN MORELOCK: For all	9.	1978 at Vanderbilt to get his Ph.D. So this man
).	150 participants?	10.	is very well educated. And I went through his
1.	MS. JEFFERSON: (Nods head.)	11.	resume but, man, he's done it all. I mean, it
2.	CHAIRMAN MORELOCK: Wow. That is a	12.	would take another two hours to go through his
3.	gift.	13.	many, many, many accomplishments. So he's very
4.	MR. ROBINSON: That is really nice.	14.	accomplished and we're so thankful to have him on
5.	MS. JEFFERSON: It's just part of	15.	our board. We do hate to lose you, but we
5.	our training.	16.	certainly understand life goes on and life moves
7.	CHAIRMAN MORELOCK: Wow. Well,	17.	on.
, . 3.	that will definitely speed up the registration	18.	But some things I did want to say and
). 9.	process.	19.	I'm going to let Kim and Sam and the board the
0.	MS. RHONE: Thank you.	20.	State come up and actually make a presentation to
). 1.	CHAIRMAN MORELOCK: Thank you,	21.	you. But one thing that I really wanted you to
2.	Deborah. That was excellent. And thank you all	22.	know, that Dr. Johnson is an ASME fellow. And
2. 3.	for the work you've done. That's pretty	23.	you're thinking, "So what? What is that?"
<i>3</i> .	phenomenal.	24.	Well, when you put that into context, of
5.	MR. BAUGHMAN: This is big for us.	25.	all ASME members, that only 2 to 4 percent of the
	<u> </u>		•
	Page 102		Page 1
1.	CHAIRMAN MORELOCK: Yeah, it is.	1.	membership will ever achieve an ASME fellow
2.	MS. JEFFERSON: We're looking	2.	status, that's very significant. And he received
3.	forward to it.	3.	that in 2001.
4.	CHAIRMAN MORELOCK: Very, very	4.	He worked at Eastman Chemical Company
5.	good.	5.	for a few years, from 1974 to 1976. And the
6.	Okay. Item XI or X is we have no	6.	balance of his tenure has been in academia at
7.	rule cases or interpretations today.	7.	various universities, currently residing at
8.	And our next meeting will be at the	8.	Tennessee Tech, where I went to college. I
9.	fall conference, so we've already discussed that.	9.	actually just last week celebrated 31 years of
0.	So before we adjourn, we have some	10.	graduating from there myself.
1.	very important business to take care of that we	11.	And so with all of his work, mentoring
2.	kept off the agenda, even though he knows because	12.	young minds and pouring into young people and
3.	he knows everything. But we want to take a few	13.	challenging them to be all they can be, we're
4.	minutes to honor Dr. Johnson. This will be his	14.	indebted for your service. So thank you very
5.	last meeting with us, unfortunately. We had our	15.	much.
5.	sad goodbyes in 2012.	16.	DR. JOHNSON: Thank you.
7.	And Dr. Judges had served faithfully	17.	(Applause.)
8.	for 11 years, up until then, from 2002 to 2012,	18.	CHAIRMAN MORELOCK: So I'll let you
€.	and then he came back in '15 and '16 for a couple	19.	step around there and they've got some gifts to
).	more. So he has served with us for 13 years very	20.	give you.
1.	faithfully. We certainly appreciate his expertise	21.	MS. JEFFERSON: Well, Dr. Johnson,
2.	representing academia.	22.	I think you know how much we appreciate you. And
3.	I personally am thankful for his	23.	on behalf of the Department, Commissioner Burns
4.	friendship and mentorship. It's always good to	24.	Phillips unfortunately he couldn't come down
5.	have colleagues and friends that are good enough	25.	because he's in another meeting but we wanted
	5000 010051	١	and the finance

	Page 105			Page 107
1.	to give you this. This is just a small token of	1.	CERTIFICATE	
2.	our appreciation for everything that you've done,	2.	STATE OF TENNESSEE)	
3.	because we know all the board members are unpaid.	3.	COUNTY OF WILLIAMSON)	
4.	You-all don't receive any moneys for what you do.	4.	I, Cassandra M. Beiling, a Notary Public	
5.	You take time out of your own schedules to help us	5.	in the State of Tennessee, do hereby certify:	
6.	and to provide your expertise and your skills.	6.		
7.	And we really appreciate it. And so this is just	7.	That the within is a true and accurate	
8.	a small token.	8.	transcript of the proceedings taken before the	
9.	Deborah, do you want to read this?	9.	Board and the Chief Inspector or the Chief	
10.	MS. RHONE: Presented to Dr. Glen	10.	Inspector's Designee, Tennessee Department of	
11.	Johnson in appreciation for 12 years of service as	11.	Labor & Workforce Development, Division of	
12.	a member of the Tennessee Board of Boiler Rules on	12. 13.	Workplace Regulations and Compliance, Boiler Unit,	
13.	this day, June 15th, 2016.	14.	on the 15th day of June, 2016.	
14.	DR. JOHNSON: Thank you very much.	15.	I further certify that I am not related to	
15.	I'm not one for long speeches but I do appreciate	16.	any of the parties to this action, by blood or	
16.	the collegiality that I've experienced with this	17.	marriage, and that I am in no way interested in	
17.	group. I've made good friends, and I think the	18.	the outcome of this matter.	
18.	idea of the citizens board, where there is no	19.		
19.	conversation but rather a love for service and a	20.	IN WITNESS WHEREOF, I have hereunto set my	7
20.	desire to give back, is a very important part of	21.	hand this 8th day of July, 2016.	
21.	government. And I've enjoyed the time I've been	22.		
22.	able to give.	23.		
23.	MS. JEFFERSON: And, actually,	 		
24.	Carlene was very instrumental in assisting to	24.	Cassandra M. Beiling, CCR, LCR# 371	
25.	attain this certificate. It's a certificate of	25.	Notary Public State at Large My commission expires: 3/15/2020	
23.	attain this certificate. It s a certificate of	25.	My commission expires. 3/13/2020	
	Page 106			
1.	appreciation.			
2.	Carlene, if you could just read a			
3.	little bit of that.			
4.	MS. BENNETT: Okay. The State			
5.	Capital by Bill Haslam, Governor, "By virtue of			
6.	the authority vested in me, I hereby confer upon			
7.	Dr. Glen E. Johnson the Certificate of			
8.	Appreciation in recognition of outstanding service			
9.	in the best interest and in the highest traditions			
	of the state of Tennessee."	l		

A	actually 15:25 40:10		1	51:1 51:13 51:18
	48:20 52:11 62:24	79:6 79:14 80:3	77:7 77:8 77:23	51:23 52:6 52:24
ability 32:9 90:20	64:25 65:18 68:20	89:12 96:13	79:10 79:12 82:9	53:2 53:4 53:9
able 4:18 14:2 38:16	68:22 69:11 69:12	again 6:25 14:19	82:17 83:1 87:17	53:13 53:15 53:19
45:21 55:24 64:10	78:19 98:23 100:17		87:19 88:15 90:25	59:13 64:23 65:12
64:15 70:2 99:20	103:20 104:9	36:25 38:20 42:20	92:18 93:12 93:25	65:15
105:22	105:23	43:9 43:20 43:25	94:3 95:3 95:3 95:4	-
above 21:22	add 7:12 56:17 77:14		95:5 97:9 98:16	anybody 4:25 66:3
absence 94:12	77:21 81:12 81:24	54:18 55:5 56:10	99:6 100:18 101:9	97:11
absolutely 20:19	89:13 89:15 89:17	69:7 70:12 85:7	101:22 103:11	anything 22:18
54:23 61:3 91:23	89:24 90:10 93:23	90:3 96:24	103:25 104:11	23:19 68:3 79:9
92:10 93:14	95:20	against 92:17	104:13 105:3 105:4	, , , , , , , , , , , , , , , , , , , ,
abstentions 8:6	added 50:17 84:3	agency 9:18 9:21	allow 27:13 27:16	101:6
35:21 47:12 71:2	90:11	15:23 30:13 33:5	59:19 68:21	anyway 98:21
83:5 94:7	adding 85:16	33:9 37:5 68:7	allowable 27:13	anywhere 58:25
academia 102:22	addition 12:16 15:22	0	27:19 31:24	api 53:22 53:23
104:6	17:19 38:5 39:4	7:5 7:16 8:10 8:24	almost 71:13	53:25 61:10 61:14
accept 7:19 35:2	46:18 88:19	95:16 95:18 95:21	along 15:25	api579 54:7
39:18	additional 21:21	102:12	already 22:15 42:20	apologize 20:12 29:8
acceptable 18:19	23:21 38:2 45:23	agent 27:17 28:11	82:20 102:9	apparatus 92:6
37:25 38:4	46:16 90:22 95:18	agree 26:17 68:13	alteration 30:22	apparatuses 93:12
acceptance 14:23	96:21	79:24 81:23	30:25	apparent 24:16
44:18	additionally 92:17	agreeing 28:18	alterations 29:24	apparently 41:11
accepted 39:14	additions 7:15	agreement 81:10	30:21 34:4 47:20	appearance 24:19
accepting 20:10	address 38:24 43:17	ahead 13:25 14:18	always 11:15 32:22	appearances 2:1
access 53:17	100:1	48:1 85:14	50:9 82:17 102:24	appears 23:6
accommodations	addressed 17:5 42:20		ammonia 72:18	appendices 66:8
99:9	66:4	air 85:25	85:25 86:6 90:23	66:10
accomplished 103:14		alarm 78:7 79:8	91:18	appendix 43:21 56:6
accomplishments	75:14 101:7	90:10	amount 18:22	56:11 56:16 56:20
103:13	adequate 34:18	alarms 52:8	analysis 27:2	56:22 57:5 57:8
accordance 25:5	40:18 40:22 43:23	all 3:24 6:24 7:18 8:1		60:25 61:19 73:13
32:16 37:3	adjourn 102:10	9:14 10:11 11:11	angles 34:21	75:2 77:9 83:18
according 15:18	adjourned 106:17	12:13 14:12 15:2	annotated 66:15	85:16 89:3 90:6
account 25:13 72:7	adjournment 3:23	17:18 18:1 18:6	annotating 18:13	applause 104:17
accountability 103:3		18:14 20:8 21:6	announce 95:22 96:7	application 32:11
accurate 107:7	adjustments 59:15	21:13 22:6 22:18	99:20	33:3 37:12 37:25
achieve 104:1	83:25	24:1 26:11 27:5	announcement 8:11	58:4
acid 90:20	administrator 2:12	27:6 28:7 30:15	96:3	applied 32:25 33:8
acknowledge 52:7	5:22	30:17 31:13 31:14	announcements 3:10	apply 32:23 47:18
acknowledgment	adoption 3:11 7:1	32:7 32:24 33:5	4:6 4:16 5:1	applying 15:21 32:17
78:5	advance 15:2	33:8 34:4 34:5 35:8	1	appreciate 12:13
acronym 51:7	advantage 27:18	35:17 36:4 36:19	49:6 49:7 58:23	49:13 56:4 102:21
acs 65:4	advice 66:1	37:16 37:24 39:24	70:15	104:22 105:7
act 14:17	affirmative 8:3 47:9		annually 58:8 59:6	105:15
action 107:16	70:24 83:2 94:4	45:11 47:7 47:15	another 8:11 17:4	appreciation 105:2
activate 51:24	africa 15:9 15:11	47:16 47:22 50:6	37:12 73:21 103:12	100111 10011 10010
activated 52:16	15:19 15:20 22:9	51:21 53:15 61:17	104:25	appropriate 31:25
actual 17:15 24:13	22:10 33:2 37:2	61:24 65:20 65:24	antes 6:6 6:6 48:9	appropriately 15:25
39:6 40:19 96:14	african 37:1	66:4 67:2 69:16	48:9 50:22 50:23	19:9 46:9
1				

approval 28:7 28:8	attain 105:25	banquet 97:4	before 17:5 28:14	2:8 2:16 3:19 4:4
28:15 28:15 30:10	attendance 8:12 8:14	I	30:22 36:16 49:17	5:10 5:14 5:16 5:17
30:19 43:25 48:3	95:12	based 23:6 29:19	63:12 65:3 65:8	5:19 17:6 25:10
69:14 70:1 82:12	attendant 66:24	32:3 32:10 40:7	86:10 100:24	27:15 27:15 28:8
86:19 86:22	77:14 80:14 82:7	41:9 46:16 52:23	102:10 107:8	30:22 30:25 47:20
approve 46:25 49:21	84:2 88:7 88:8 89:5	53:24 54:14 54:25	beginning 8:25 73:12	
69:5 74:4 82:7	attendants 73:7	59:11 59:22 62:22	behalf 14:22 104:23	49:16 73:15 73:18
82:23 84:15 93:22	73:11 87:25	82:24	beiling 1:22 5:7	84:10 95:16 96:17
approved 7:10 10:21	attended 66:24	baseline 88:19	107:4 107:24	103:15 103:19
10:24 11:19 11:23	attendee 88:21	basic 27:3	being 16:7 17:3	105:3 105:12
12:23 47:16 47:19	attorney 10:21	basically 67:2 70:14		105:18 106:15
48:19 48:25 71:6	audience 97:1	battery 92:24	34:19 38:20 45:22	107:9
83:9 94:14	audit 88:2	baughman 2:8 5:19		body 16:3 21:9
approving 76:7	australia 16:11 37:6	5:19 7:20 19:12	76:20 77:17 81:3	boiler 1:2 1:9 2:10
approximately 72:15	37:18 41:7	24:24 34:1 34:7	89:5 90:12 99:11	3:2 3:3 3:12 3:19
95:11	authority 106:6	34:11 35:10 39:22	belief 20:10	4:4 5:25 6:10 9:10
aptech 54:14	authorized 30:13	62:4 62:22 63:5	believe 13:9 16:15	10:4 10:5 13:3 14:
area 17:4 48:10	33:6 37:4	63:10 63:19 64:21	18:24 41:8 41:8	14:20 28:16 29:22
94:25	automatically 91:18	65:10 65:14 68:4	41:11 44:7 44:15	30:18 32:20 35:4
arise 68:7	91:19	68:12 68:15 70:12	46:13 51:3 57:25	36:9 44:2 48:3
armstrong 6:2 6:2	auxillary 88:16	70:16 74:10 74:12	61:2 75:17 75:25	48:10 48:14 49:1
48:11 48:11	90:21	74:15 74:18 74:21	76:2 98:19	50:14 51:3 51:4
around 4:20 5:6 8:12	available 7:4 16:21	74:24 75:2 75:5	believed 40:4	51:24 52:2 52:22
97:6 104:19	20:2 20:4 22:3 22:6	75:10 75:23 76:5	benefit 13:24	58:14 61:20 62:18
ask 8:16 8:22 19:4	22:24 37:14 96:14	76:14 76:16 76:19	bennett 2:15 5:9 5:9	63:6 63:14 63:17
22:2 23:14 55:14	average 98:22	77:24 78:3 78:15	13:16 35:13 82:19	63:22 64:7 64:8
asked 22:17	aware 34:10 46:6	78:17 78:19 78:23	106:4	65:5 65:13 65:15
asking 34:2 51:25	away 62:15 72:16	79:9 79:24 81:1	best 22:23 32:9 62:5	66:17 66:24 68:9 68:10 69:6 69:8
59:1 70:16	aye 8:2 35:8 35:9	81:7 82:11 84:25	106:9	70:1 70:2 70:3 71:6
asme 15:15 15:21	35:10 47:8 70:23	85:4 88:6 91:8 92:6		71:18 72:7 72:13
17:2 18:9 20:6	82:10 83:1 94:3	92:11 92:14 92:20	better 39:5	73:7 73:10 73:16
21:10 21:12 21:14		93:3 93:8 94:9	beyond 50:17 81:21	73:18 73:21 73:22
21:19 21:23 21:25	B	97:13 97:17 97:24	bi 48:3 49:7	74:13 74:19 77:13
26:4 26:7 26:13	b1 76:11	98:10 99:2 99:5	biannually 61:21	78:7 78:10 79:17
26:18 27:8 27:11	bachelor 103:4	99:24 100:11 100:15 101:25	61:22	79:18 79:20 79:21
30:11 32:16 33:14	back 7:3 9:9 25:23	bear 33:21	biennially 61:22	80:6 80:12 80:14
33:15 37:3 43:15	38:1 50:9 52:17	become 11:3	big 29:15 64:16	82:16 83:1 84:1
46:5 46:10 54:22	66:11 79:15 79:18	been 10:20 11:9	83:15 101:25	84:10 84:15 85:16
96:25 103:22	80:13 81:25 83:18	12:23 14:21 22:7	bill 106:5	85:21 86:2 86:4
103:25 104:1	89:1 89:1 102:19	22:10 22:16 23:12	bit 18:16 21:5 29:1	86:8 88:6 88:7
aspects 32:24 33:8	105:20	26:15 32:19 32:25	29:10 58:18 81:4	88:15 88:21 88:22
assigned 32:2	bad 92:18	22 0 22 12 24 2	89:21 106:3	89:5 89:8 89:18
assigning 31:23	bailey 2:13 5:23 5:23	34:8 37:6 39:8 40:7	blast 13:18	90:20 90:21 91:9
assistance 16:24	9:6 10:20 11:5	41:21 43:8 44:15	billu 103.1	91:12 91:15 92:25
95:16	11:13 11:22 12:1	44:18 46:24 48:16	block 99:16 99:18	93:15 93:24 105:12
assistant 67:4	12:4 12:11 35:25	71:12 72:10 76:6	99:20	107:12
assisting 105:24	36:2	79:13 79:21 80:6	blood 107:16	boilers 7:11 48:4
assurance 32:24	bakeries 3:5 71:17	84:3 98:8 104:6	blurb 61:14	48:17 49:6 49:8
assure 43:2	72:5	105:21	bms 50:13 51:4	50:16 53:25 54:19
atmospheric 73:22	balance 104:6		board 1:2 1:9 2:4 2:6	58:6 58:7 62:24

66:17 66:23 69:9	\mathbf{c}	cents 81:7	60:17 60:25 61:4	charts 84:13
69:24 70:5 71:20		certain 52:8 52:10	62:2 65:21 65:24	check 13:5 42:22
72:10 72:11 72:15	calculated 28:1 32:3		66:7 66:10 67:7	l
72:10 72:11 72:13	calculation 39:2	53:21	67:11 67:23 68:1	94:1
73:11 74:12 74:16	calculations 18:9	certainly 7:3 54:20		checklist 48:15 49:9
	18:12 18:15 28:2	102:21 103:16	69:1 69:4 69:19	66:1 66:4 66:20
74:17 80:21 84:23	29:20 31:23 32:12	certificate 15:12 17:		66:22 67:18
88:9 88:16 88:17	38:2 38:10 40:16	19:24 20:1 26:10	70:22 70:25 71:2	chemical 6:3 104:4
89:10 90:23 91:10	41:23 42:21 43:22	59:5 59:10 59:16	71:5 71:9 71:16	chief 2:10 3:12 5:11
93:25	45:23 46:16	59:21 60:1 60:6	71:25 74:2 74:5	5:12 9:10 9:13 9:15
booked 98:4	call 3:9 4:3 21:8 35:8	60:11 60:12 60:20	74:8 75:3 76:25	10:9 10:10 10:14
both 70:5 70:8 70:9	47:7 52:8 70:23	60:22 61:20 105:25		28:9 30:6 30:18
73:6 89:24	78:7 78:10 79:6	105:25 106:7	78:21 80:4 80:11	44:2 48:7 59:7
bottom 19:23 20:6	79:10 79:12 79:15	certificates 96:1	80:19 80:22 81:6	67:14 68:10 69:7
40:2 43:7	80:3 80:20 82:9	certification 17:11	81:11 81:16 81:20	70:1 70:7 70:10
boundary 42:25	94:2 103:1	certifications 17:18	82:2 82:5 82:14	82:16 82:25 83:12
break 71:11	called 17:20 48:22	49:1	82:21 83:3 83:5	85:12 107:9 107:9
brian 2:2 5:15	calling 78:4	certified 68:24	83:8 83:11 83:19	china 46:3
bring 24:24 25:1	calling 78:4 calls 78:11 79:3 80:6		84:8 84:12 84:18	chooses 28:12
25:10		107:15	85:2 85:5 85:13	circled 57:9 57:13
bringing 54:18	came 10:23 19:20	certifying 20:9	86:10 86:13 86:16	circuit 92:9
bristling 45:3	46:17 57:10 63:12	cfc 19:22	88:4 88:25 89:19	citizens 105:18
broke 11:16	63:13 75:21 98:16		00.1 00.25 01.4	
brooks 72:9 73:24	102:19	chairman 2:2 4:2 5:3	01.21.01.24.02.2	civil 15:21
	canonico 4:17	5:15 6:24 7:18 7:21	02.5 02.0 02.10	clarify 67:23
brought 17:3 61:1	capabilities 23:18	7:23 8:1 8:4 8:6 8:9	93:21 94:5 94:7	clarifying 18:12
bsme 103:4	capacity 98:19	9:4 9:7 10:8 10:11	94:11 94:16 96:9	classes 77:17
buckman 14:9 14:22	capital 106:5	10:16 11:4 11:12	96:16 96:20 97:2	clean 29:10
16:11 36:13 37:7	capped 44:11	11:21 11:25 12:3	97:7 97:11 98:20	clear 84:5 98:12
budget 95:8 100:4	capture 14:1	12:10 12:12 13:2	98:23 99:6 99:12	clearing 79:8 79:16
100:6	carbon 46:13	13:12 13:15 13:20	99:22 100:25 101:9	clearly 77:12
build 29:16 54:14	card 4:17 4:20	13:23 19:10 19:13	101:12 101:17	cleaver 72:9 73:24
55:25	care 102:11	19:16 19:22 24:22	101.21 102.1 102.7	clever 98:24
building 3:21 4:11	careful 100:24 101:2	26:1 29:6 29:9 30:7	104:18 106:16	client 30:9
4:12 4:13 4:14 95:1	carlene 2:15 5:9 8:22	1 33.7/13/1.7/135.1	chairs 14:15	climate 22:11
95:4	13:9 105:24 106:2	35:7 35:11 35:14		close 30:8 90:24
buildings 64:24	carried 21:7	35:17 35:20 35:23	challenging 104:13	1 2222525
built 26:4 26:7 26:19		36:4 36:8 36:19	change 7:6 7:8 12:23	9:23 12:17 14:6
27:11 32:16 42:24	carry 55.5	36:22 39:16 39:20	56:7 61:21 72:21	14:20 15:20 15:21
73:17 73:19 85:19	case 27:15 41:14	39:23 42:2 42:8	84:3 84:9	17:2 18:9 20:9 26:4
burner 63:11 73:25	76:6 85:14 88:23	42:12 42:15 42:18	changed 27:13	26:7 26:9 26:12
76:12	cases 3:18 3:18 46:13	44:23 46:23 47:6	changes 7:16 11:11	26:18 27:8 27:12
burns 104:23	102:7	47:10 47:12 47:15	11:15 84:6 84:13	27:13 27:22 27:24
business 3:13 3:15	cassandra 1:22 5:5	47:22 47:25 49:17	90:13	29:16 30:11 31:17
9:1 10:18 14:5 22:8	5:7 13:24 89:21	49:23 50:2 50:6	chapman 2:10 5:11	22.22 22.25 22.2
94:17 102:11	107.4 107.24	51:8 54:2 54:6	5:12 9:13 10:9 30:6	33:8 33:10 36:9
button 91:15 91:17	cat 39:2	54:10 54:20 54:24	59:7 70:7 70:10	38:8 38:10 42:22
91:25	cause 41:24	55:2 55:7 55:19	characteristic 24:8	
bypass 52:9 52:16	cb780 75:15	56:9 56:14 56:19	characterization	43:9 43:15 43:16 46:5 55:17 66:14
64:24	ccr 1:22 107:24	56:22 57:1 57:4	62:17 63:4	
	celebrated 104:9	58:22 59:4 59:9	charles 6:22 6:22	codes 75:6 90:10
bypasses 52:12	cell 8:16	59:18 60:8 60:14	chart 77:5	coil 39:1
				colleagues 102:25

			T	I
collect 4:21	components 27:7	41:9	correspond 28:1	60:7 66:6 73:17
college 104:8	66:5 75:7	constraints 31:1	correspondence	73:19 85:19 99:21
collegiality 105:16	comprehensive	47:17	95:25 96:2	dave 5:19 68:14
column 85:17	61:25	constructed 15:9	corrosion 43:18	david 2:8 62:6 64:11
comb 29:23	compress 37:23 38:2		corrosive 44:13	day 67:5 67:6 96:10
comes 8:13 13:1 28:4	_	construction 15:12	cost 99:25 100:8	98:17 105:13
52:4 68:8 77:25	compressed 27:3	15:16 16:6 17:9	100:10 100:11	107:13 107:21
83:13	27:23 42:24 43:5	32:1 47:2 90:16	couldn 11:23 57:12	days 11:1 96:6
coming 4:9 20:13	concern 11:15 25:1	90:17 91:2	104:24	dcs 52:7 52:22 52:22
55:9	26:16 46:15	consumers 64:17	counsel 2:14 5:24	53:5 53:16 65:16
comment 24:15 26:2		contact 13:9 83:25	country 25:3	67:1 92:4
26:17 34:2 49:18	101:2	84:2	county 107:3	deadline 29:4
51:9 77:3 77:25	concerning 44:4	contacted 16:23	couple 14:15 19:19	deal 40:21
81:23 89:1 89:7	concerns 25:9 28:20		22:11 31:4 41:20	deborah 6:10 60:2
89:12 90:8	45:16	context 103:24	66:12 77:2 102:19	60:5 94:19 101:22
comments 10:13	concludes 94:16	contingency 82:24	course 65:2 65:5	105:9
11:14 11:16 19:18	condenser 28:23	contingent 28:9	88:17 94:24 95:18	decided 16:15 37:10
27:1 30:9 31:3	condition 18:23 23:4	0	95:23 96:3	72:21
33:25 35:5 39:25	23:5 23:23 33:18	47:1 69:7 69:14	court 1:23 5:8	dedicated 72:24
42:16 42:19 44:6	37:20 38:5 43:14	82:12 82:15 82:17	cover 15:4 15:19	76:13
44:22 47:3 49:16	52:3 64:6 81:15	93:24 93:25	48:1	define 24:6 50:13
50:7 62:3 65:22	conditions 18:3	continue 93:13	covered 33:8	defined 51:11
68:2 69:2 70:20	19:25 30:10 38:6	continued 31:9 54:2	cracked 30:16	definitely 46:22
75:4 77:1 77:3	58:15	54:7	create 58:20 62:7	101:18
77:23 82:3 82:8	cone 91:16	contract 95:13 99:11		degradation 64:1
83:14 88:5 89:3	confer 106:6	contractors 55:11	critical 63:20	degree 103:8
91:5 91:6 93:10	conference 3:17 10:6		cropped 19:22	degrees 86:2
97:12	94:20 94:22 95:6	control 53:5 72:19	csd 50:18 75:7	delinquent 9:20
commission 107:25	95:22 96:5 96:15	72:23 72:23 73:3	ct 3:20	demonstrate 40:17
commissioner	96:17 98:15 102:9	73:25 75:12 90:12	cubic 26:6	demonstrations
104:23	confident 21:23	92:1 92:25 93:4	cues 40:7	21:18
committee 95:6	33:17	93:6		department 1:1 3:20
communicate 79:22	confirmation 34:3	controller 76:12	32:9 37:19 57:11	6:13 67:15 95:1
communication 84:5		82:13	currently 49:5 84:1	100:19 101:7
communications	82:20 85:1 85:6	controls 73:23 92:18	87:14 90:16 90:17	104:23 107:10
87:19	94:9	conversation 60:15	90:23 91:1 95:13	depth 23:9 37:15
company 36:24	conflicts 35:13 35:15		104:7	deputy 28:11
88:14 104:4	36:17 50:1 50:3	converter 91:16	cut 92:20 99:21	describe 79:5
comparison 18:20	71:23 85:3	cooling 93:12 93:16	cutoff 51:21 53:11	describes 15:5
complete 33:4 39:12	l .	coordinates 18:7	cycle 93:17	description 17:15
69:13 75:15	conjunction 53:23	copy 17:14 19:23	cycles 62:7	76:11
completed 16:9	consent 68:23	20:12 57:9 80:23	cycling 62:10 63:1	descriptions 77:10
completing 69:10	conservative 31:24	corporate 15:5 16:14		77:18
completion 37:6	consider 17:6 19:4	correct 51:19 54:3	D	design 18:10 18:11
compliance 15:15	38:17 41:24	54:4 55:4 58:4 59:3	damage 56:24 57:5	18:19 27:12 27:14
15:20 20:9 26:10	considerable 43:18	59:6 59:8 59:13	dan 2:13 5:23 59:24	27:23 34:13 34:16
33:10 54:25 107:12			dangerously 90:24	34:20 38:11 39:1
comply 54:21	considerations 39:8	63:18 76:1 76:18	data 20:6 31:18	42:23
component 63:20	39:13	88:3 97:15	database 48:23	designate 14:6 36:10
76:22	considered 37:9 40:6	correctly 20:13	date 11:6 57:11 60:1	l I
		_		

			Г	
designated 28:11	23:25 31:16 39:3	103:22 104:16	employment 31:6	33:22 38:17 45:12
88:9	48:25 49:3 49:13	104:21 105:10	end 4:21 28:7 73:12	45:13 65:7 66:6
designation 14:24	52:18	105:14 106:7	79:3 97:6 106:19	99:21 102:13 105:2
19:8	documentation	106:11	ended 25:7	evidence 20:17 32:10
designed 15:9 15:14	16:20 21:16 23:10	draft 95:16	ends 78:6 78:8	exact 11:6 92:8
27:11 28:24 38:23	23:11 25:3 25:19	drainage 34:18	engaged 14:21 23:23	
designee 107:10	26:16 28:5 28:5	drained 34:19	engineer 2:6 18:10	examination 17:22
desire 105:20	28:16 31:19 32:7	drawing 22:20 22:23		17:23 24:3 24:17
detail 24:11 77:12	37:14 38:18 39:11	39:6	72:18	45:6
78:14 79:4	44:5 48:24 49:9	drawings 39:5	engineering 6:21	examiners 21:19
detailed 17:21 45:1	75:20	drive 3:22	6:23 15:11 31:20	examining 24:1
development 1:1	documented 29:25	ducks 81:14	31:23 72:2 85:8	example 21:12
3:21 107:11	41:19 43:11	during 8:17 37:17	103:5	exceed 43:3
dictated 79:13 79:14	documents 54:15	41:15 46:1 60:12	enjoyed 105:21	exceeding 22:1
didn 24:6 27:2 27:5	95:24	62:16 62:18 62:21	enough 45:20 102:25	
38:14 41:23 45:20	doesn 30:2 93:15	63:4	ensure 84:4	101:22
46:9 68:16 68:21	doing 10:7 12:8 14:1		entertain 44:10	except 11:11 64:3
75:12 77:12	20:9 24:2 24:4	duties 77:10 77:13	equipment 14:9 16:1	_
difference 33:1	31:12 40:8 44:16	80:14 89:5	16:23 20:24 36:13	32:17
different 16:17 38:22	57:18 62:18 64:25		62:8 62:13 62:13	excess 40:20
91:10 96:6	87:3 90:2 103:2	E	63:2 63:25 76:11	exchanger 14:8
difficult 22:14 42:6	domenic 4:17	e3404 85:17	89:9	14:23 15:4 15:6
42:9 55:22	don 7:2 13:2 13:4	each 51:16 65:12	equipped 51:22	15:7 15:8 15:10
diligent 33:12	20:16 22:7 24:2	67:5	equivalence 18:13	16:14 17:15 17:25
dime 98:25	24:14 24:24 32:23	easier 12:18	eroded 40:13 40:15	18:23 23:4 25:5
dimensional 45:20	32:24 41:7 44:15	easily 21:24	especially 4:8 31:6	27:4 28:22 29:12
46:17	44:19 75:13 77:7	eastman 104:4	53:12	33:18 34:6 36:25
direct 21:11	81:17 101:6 105:4	economic 22:11	esq 2:11 2:13	38:11 47:18 86:5
directive 16:2 20:24	done 16:1 19:7 26:15	edition 15:17 27:8	essential 21:21	excited 12:19 96:7
21:8	27:23 30:4 30:14	27:22 27:24 42:22	eugene 2:4 5:13 9:8	exciting 94:23 95:19
directly 57:25	33:14 33:19 42:21	editorial 51:9 51:10	26:16 43:6 55:9	execute 70:5
dirty 45:7	59:22 63:13 79:10	56:15 77:3 84:12	58:2 82:21	execution 12:24
disaster 4:10	101:23 103:11	educated 103:10	europe 16:2	exempt 26:7
disclaimer 20:7	105:2	ee 43:21	evaluating 49:15	existence 22:13
disconnect 80:5	dossier 22:4	effect 11:19 11:24	evaluations 23:15	existing 7:10 7:14
discontinues 91:18	down 28:4 51:25	62:10	23:16 54:11	70:3 84:22 86:25
discrepancies 77:6	55:16 62:9 62:12	effective 11:3 11:6	even 22:7 24:6 26:2	93:23
discuss 4:7	64:3 64:10 64:15	efforts 12:13 49:14	26:18 28:13 58:13	expansion 27:4
discussed 36:25	66:18 77:25 80:6	either 4:12 12:2	92:15 102:12	expense 101:8
68:16 102:9	80:12 80:18 81:22	31:17 34:10 80:24	event 4:9	experience 22:10
discussion 3:16 7:24	86:4 91:12 91:22	electrodes 44:11	events 62:18 98:18	experienced 84:1
8:18 9:3 19:17	92:7 104:24 download 13:7	else 42:1 44:8 68:3	ever 104:1	105:16
29:15 35:5 39:25	downtime 62:8	93:19 99:7	evergreening 48:21	expert 32:19
49:24 49:25 74:9	dr 2:6 4:17 5:17 7:22	email 4:18 13:4 13:9	every 4:7 31:20	expertise 25:10
81:8 86:17 94:18	19:15 25:12 25:17	15:11 15:16 15:16	31:21 60:9 66:16	102:21 105:6
division 15:15 37:3	25:23 35:9 39:18	68:23	67:5 89:21	expiration 60:1 60:7
43:21 95:14 107:11	49:20 74:7 86:15	emergency 4:10	everybody 4:3 5:6	expired 57:11
divisional 57:10	101:1 102:14	30:24 78:1 80:7	6:25 42:19 71:10	expires 107:25
doctor 4:19	102:17 103:4	80:12 80:17 91:9	everything 14:1	explain 44:25 85:21
document 21:20	102.17 103.7	91:13	18:18 25:17 27:5	extend 54:12 63:21
			l	i .

extending 63:23	81:1 81:9	force 55:3	gave 89:7	43:20 48:24 49:4
70:13	fees 11:15	foreign 14:7 36:11	general 10:22 24:8	50:21 51:11 52:23
extends 58:23	feet 26:6 72:16	forged 46:4	25:8 41:22	55:3 57:9 59:15
extension 68:13	fellow 103:22 104:1	forgings 46:4	generally 24:2 25:5	60:19 65:18 68:22
extensive 31:12	felt 40:15 43:7 44:19	0 0	25:6 25:13	69:11 69:12 70:22
extent 22:6 24:2 31:2	few 50:12 64:15	87:11	generate 11:16	71:10 78:9 78:24
44:6 68:2 91:5	65:25 102:13 104:5	form 19:25 49:9	generated 18:21 41:0	78:24 78:25 81:21
external 40:11 41:1	field 69:13	formed 95:7	49:10 85:25	82:9 93:5 94:19
41:10 42:4 56:17	fieldstone 1:23	former 68:10	generates 86:2	94:24 95:4 95:10
57:18 58:9 58:10	figure 16:22 72:12	forth 63:11 79:18	generation 31:13	95:20 96:3 96:5
58:14 59:11 61:9	figured 11:13 12:4	forward 48:24 49:4	gentlemen 47:24	97:14 97:18 97:20
66:17 68:9	61:13	51:11 102:3	71:5	97:22 99:14 99:17
extinguish 86:7	filled 34:19	found 18:3 31:14	george 1:23 5:8	103:19
extra 51:16 51:17	final 46:19	31:15 43:4 62:23	georgia 103:7	gone 26:20 32:8
	financing 95:8	63:22	get 8:21 12:14 26:10	79:16
F	find 17:13 18:6 20:6	four 51:19 84:22	29:15 30:14 60:9	good 4:2 12:7 12:12
facility 14:10 14:25	61:5	87:19 93:25	68:23 70:1 70:9	12:13 13:21 18:23
16:6 16:10 16:13	fine 29:23 61:15	fourth 7:12 85:17	71:11 75:16 76:3	22:20 23:6 25:19
16:16 36:14 37:7	66:11 77:22	93:24	79:14 87:16 88:24	32:12 34:8 45:10
37:11 37:18 49:2	finished 103:8	frame 11:23	98:1 98:3 98:4	45:13 45:18 47:21
82:18 83:23	fire 74:21 74:25	franklin 1:24	98:25 103:9	48:6 48:13 53:14
fact 17:2 21:10 22:16	91:10	french 3:21	gets 4:22	61:25 63:24 65:14
81:17	fired 62:13	frequency 49:6 49:8	getting 14:13 16:24	66:1 70:17 71:25
fahrenheit 86:3	first 14:5 42:2 43:16		46:4	80:24 82:14 82:15
fail 52:3 66:17	50:14 69:25 70:5	69:6 70:6 70:13	gift 101:13	90:13 93:8 97:8
faithfully 102:17	95:2 97:18 97:18	71:7	gifts 104:19	98:8 98:22 99:5
102:21	fiscal 11:20	friday 97:5	give 42:18 57:9 68:22	102:5 102:24 102:25 103:3
fall 3:17 10:5 54:1	fitness 24:18 45:6	friendly 12:16	71:10 94:19 104:20	102.23 103.3
69:25 88:11 94:20	54:11	friends 102:25 103:1		goodbyes 102:16
94:22 102:9	five 96:5	105:17	105:22	got 10:22 11:23
falls 81:4	fix 60:19 90:7 98:14	friendship 102:24	given 11:22 19:23	14:14 22:23 23:11
familiar 20:24	fixed 28:24	front 65:12 66:9 73:2		48:17 51:4 51:16
family 4:24	fixing 30:16	fsc 52:24 53:2 65:3	giving 9:18 9:22	51.17 57.12 58.0
fans 93:12	flags 32:18	fuel 91:10 92:21	glen 2:6 5:17 105:10	58:17 61:23 65:25
far 4:5 4:16 11:9	flange 45:18 45:19	full 33:4 45:11 83:24		67:1 75:6 76:20
24:25 28:5 62:8	46:18	fully 32:6 66:24	go 4:12 4:13 4:16 5:6	81:2 81:4 81:13
63:10 65:19 79:7	flanges 45:16 45:17	function 21:7	9:9 11:19 11:24	91:25 93:22 95:17
79:9 79:20 85:22	46:4 46:5 46:13	functions 98:14	12:7 13:17 13:24	100:5 103:4 103:7
favor 8:2 35:8 47:7	flex 72:9 74:17	funded 10:4	24:2 24:11 28:12	104:19
70:23 82:9 83:1	flier 99:21	further 24:17 58:13	29:23 30:12 30:18	gotten 19:21 83:24
94:3 for 67:20	fliers 97:22	79:14 88:13 107:15	48:1 58:13 64:14	government 105:21
fax 67:20	flip 52:11	future 49:4	70:15 80:24 85:13	governor 10.21
fd 93:15	floor 19:17 39:24		85:20 89:20 103:12	106.5 106.12
fee 11:11 11:18 11:24	49:24 93:2	G	goes 28:5 28:14 52:2	gracious 71:12
12:8 101:4 101:5	florida 14:21	gain 70:6	56:13 65:8 103:16	graduating 104:10
feed 73:22 73:22 92:21 92:22 92:23	flow 28:24 91:18	gap 33:6	going 4:19 7:12 9:6	grammar 28:20
93:2 93:3	folks 13:10	gas 51:21 53:11	12:1 12:15 12:15 12:17 18:12 25:23	granting 19:4
feel 26:8 28:2 33:17	follow 46:19 55:17	53:11 86:3	26:9 27:16 30:2	grasp 98:2
62:14 64:5 64:20	following 11:20 18:8		35:7 35:25 39:7	great 12:20 40:21
02.17 04.3 04.20	follows 27:1	gauze 86:1	33.1 33.43 37.1	_
			İ	l

90:11 103:3	85:11 85:11 87:18	holder 30:14	inadequate 33:15	42:4 43:13 43:13
greater 31:17 37:15	87:24 88:3 90:5	honest 8:22 82:22	inc 36:14 85:19	44:2 44:17 44:17
41:22	hartford 32:20	honor 102:14	inch 43:22	45:22 46:20 47:1
greenville 84:23	haslam 106:5 106:12	hope 29:13	inches 43:20 43:20	48:15 48:19 49:8
gross 6:4 6:4 12:22	hasty 29:5	hopefully 18:12	incident 62:16 62:21	54:12 57:18 58:8
12:22 48:6 48:7	hate 103:15	18:17 18:19 23:5	63:3	58:14 58:24 59:5
48:13 50:11 50:21	haven 13:16 83:24	46:14	include 38:12 66:1	59:11 59:21 60:10
50:24 51:6 51:12	87:14 87:23 88:1	horseshoe 98:16	84:4 96:2	60:13 60:21 61:10
54:4 54:23 55:1	having 22:10 25:8	hospital 4:23	included 15:13 17:8	61:21 63:23 66:17
55:4 55:8 55:11	32:18	host 94:24 95:10	17:13 18:1 37:15	68:5 68:7 68:9 69: 6
55:14 55:21 56:4	hawk 73:24 75:6	hotel 95:10 95:13	38:25 39:3 39:6	69:15 71:6 82:16
56:24 57:14 57:17	76:3 76:13	99:9	including 19:7 23:24	82:18 82:25
57:22 58:2 58:11	head 40:2 43:7 45:8	hour 71:13 71:13	27:4 37:23 38:7	inspections 9:16 19: 7
58:19 59:2 61:3	45:14 93:7 101:11	hours 88:18 103:12	39:5 45:11 99:3	23:24 37:17 40:12
61:6 61:16 61:23	hear 13:25 14:3	house 95:11	incorporate 84:6	41:4 41:10 48:3
62:6 63:1 63:9	heard 97:15	housekeeping 8:15	increase 12:9 62:25	66:16
63:16 63:25 66:7	hearing 7:19 10:16	how 20:24 24:14	increases 11:11	inspector 2:10 3:12
67:3 67:10 67:22	12:6 12:8 47:6 82:5		11:18	5:11 5:12 9:10 9:13
67:25 68:6 68:14	93:21 97:10	70:13 81:9 89:9	increasing 64:2	9:17 10:4 10:9
68:19 69:17 69:20	heart 75:11 76:12	91:12 97:17 98:15	indebted 104:14	21:15 21:20 28:10
69:23 70:9 70:11	heat 14:8 14:23 15:3		independent 52:2	28:11 30:6 30:19
71:8	15:6 15:7 15:8	however 26:17 64:18	_	33:6 33:20 44:2
group 53:16 65:4	15:10 16:14 17:15	huge 32:18	indicate 40:14 67:6	48:7 59:7 67:15
105:17	17:25 18:23 23:4	hundred 100:21	indicating 35:19	68:11 69:7 70:2
growing 83:23	27:4 28:22 28:24	hydrostatic 28:13	individual 67:12	70:7 70:10 82:16
guess 19:21 28:20	34:6 36:25 38:11		67:16 88:8	83:1 83:13 85:12
86:8	47:17 85:16 85:22	I	individuals 67:21	107:9 107:10
guests 48:14 95:5	85:24 86:7 88:17	id 93:15	73:5 100:12	install 14:7 36:10
guidelines 52:15	90:22 91:9 91:12	idea 105:18	information 13:19	installation 14:24
61:10	91:17 91:19 93:1	identified 63:14	15:3 22:17 45:20	16:17 19:2 19:5
gulfport 85:18	93:24	63:16 85:17	46:17 75:17 76:3	33:21 37:11 39:14
guys 23:15 53:22	held 94:25	identify 76:23	95:8 95:23	installed 14:9 16:12
57:25 95:20	helicoil 40:13 40:15	ignore 45:8	inherent 54:25	31:11 36:13 37:8
H	help 26:15 83:12	ii 3:10	initial 33:20	39:7 40:20 41:7
	83:15 105:5	iii 3:11	inside 65:19	72:10
hadn 80:10	helpful 77:15	immediately 55:16	inspect 28:12	instances 62:11
half 31:17 39:1 71:13	ncips 07.0	66:18 86:7	inspected 63:15	instead 76:21 institute 103:6 103:7
halfpipe 40:16 43:19	Hence To.10	impede 30:2	63:17 87:17	
hand 14:7 17:14 19:1	hereby 106:6 107:5	impinge 92:16	inspecting 69:8	instruct 4:11
36:11 107:21	hereunto 107:20	implement 70:2 90:5	inspection 15:23	instrumental 105:24
handle 13:3	hey 55:15	implementation	16:7 17:21 17:22	insurance 2:4 9:18
handled 53:15	high 51:20 53:11	30:20	23:1 23:3 23:7 24:9	9:21 32:20 68:7
handout 72:25	58:6 58:6 71:20	implemented 83:14	24:19 28:6 28:9	intended 15:6 15:7
happens 80:3	84:23 92:15	89:12	28:17 29:22 30:13	17:7 18:25 37:25 40:18 40:23
happy 37:13 38:13	higher 27:13 27:18	implementing 67:13	32:2 32:20 33:5	l l
38:17 45:24 46:18	highest 106:9	implication 40:3	33:9 33:14 33:19	intent 46:3 intention 15:14
94:23	hired 72:4 88:14	important 14:2	35:3 37:4 37:16	25:16
hardship 30:23	historical 23:1	102:11 105:20	37:21 40:4 40:8	interest 8:21 8:23
hargrove 6:8 6:8	hit 29:17 91:17 93:5	impression 59:15	40:25 41:1 41:6	35:15 36:17 50:3
harris 6:16 6:16	93:11	improvement 12:15	41:12 41:15 42:3	33.13 30.17 30.3
		_		1

62:5 71:23 85:3		judges 102:17	77:7 77:21 79:20	68:17 68:24 68:24
95:17 106:9	J	july 11:20 11:24 12:2	80:17 80:18 81:21	letterhead 15:5
interested 107:17	jacket 43:19	107:21	84:7 97:22 97:25	levan 72:6 72:6
interesting 29:11	james 6:20 6:20 72:1	jumping 9:9	98:6 98:15 101:1	74:17 74:23 75:1
76:6	72:1 72:8 74:10	june 1:10 105:13	101:3 103:2 103:22	75:19 75:25 76:8
internal 41:4 41:12	74:11 74:14 75:6	107:13	104:22 105:3	level 65:20 91:20
41:15 42:3 42:4	75:8 75:16 76:2	just 4:23 5:5 8:11	knowing 33:7 40:9	92:16 93:2
42:9 44:12 54:12	76:10 76:15 76:18	8:15 10:22 12:17	knowledge 41:13	levels 52:10
56:17 58:13 58:24	76:24 77:16 78:2	18:16 20:5 25:8	89:17	lhl 15:11
59:12 59:22 60:10	78:18 79:7 79:19	26:12 28:20 28:25	known 63:12	liability 20:8 20:10
60:13 66:16 69:6	80:9 80:16 80:20	29:10 30:16 31:4	knows 102:12 102:13	liaison 6:13
71:6	81:24 83:17 83:20	33:16 34:2 36:25		liberty 18:11
interpretations 3:18	85:7 85:7 85:15	42:25 44:18 45:14		life 32:1 32:3 103:16
3:18 102:7	86:23 87:1 89:15	50:14 51:3 51:4	lab 37:7	103:16
interval 32:2 61:11	89:23 94:15	51:6 51:8 61:4 61:8		like 4:3 4:6 4:20 7:8
62:9 64:3 64:20	january 10:1 73:17	62:10 63:5 65:25	95:1 107:11	7:13 12:25 13:19
intervals 57:19 62:19	73.20	65:25 67:6 67:7	laboratories 14:10	23:19 23:22 26:8
67:5	jeff 6:2 48:11	67:8 67:23 70:17	14:22 36:14	31:5 31:15 33:10
introduce 5:6 71:22	jefferson 2:11 5:21	75:21 75:23 76:16	laboratory 16:11	38:3 43:6 49:16
introduction 5:4	5:21 13:8 13:13	76:21 77:2 77:7 77:11 77:21 77:22	31:8	56:1 62:14 64:5
introductions 3:10	60:2 98:11 100:3	77:25 80:10 80:18	landing 3:21 large 107:24	64:20 65:2 72:8
4:5	100:7 100:13	81:1 81:21 83:22	last 9:16 22:11 29:3	72:14 73:2 81:1
intuitive 18:16	100:17 100:22	84:6 88:25 93:2	102:15 104:9	83:25 84:3 84:14
invasive 21:9 33:16	101:1 101:11	98:1 98:12 100:11	later 69:25 70:4	85:20 95:20 95:25
inventory 31:13	101:15 102:2	101:15 104:9 105:1	law 33:2 54:25	99:3 106:13 106:14 liked 23:10
invoices 96:1	104:21 105:23	105:7 106:2	laws 15:18 15:19	likely 11:16 22:12
involvement 21:11	106:13		57:10	limit 96:4 97:14
33:4 isn 32:7	jeremy 6:4 12:22 48:6 50:8 52:14	K	lcr 1:22 107:24	97:23
issuance 60:20	55:10	keep 8:22 26:22	lead 72:18	limitations 98:2
issue 64:12 81:23	job 73:7 77:5 77:10	26:23 62:25 66:5	leader 73:8	limited 17:23 25:3
issued 60:12	77:18 89:11	keeping 80:17	leading 60:15	98:24
item 4:6 7:1 7:6 7:12		keith 6:8	leanne 6:12	limiting 97:24 98:5
8:25 9:1 9:10 10:17		ken 68:8	least 44:10 84:4	98:9
10:18 14:4 14:5	johnson 2:6 5:17	kept 82:22 102:12	leave 91:1	limits 92:24
14:5 14:16 36:5	5:17 7:22 19:15	keys 64:24	leaves 78:3	line 84:5
36:9 36:9 36:16	25:12 25:17 25:23	kicking 96:15	lebanon 71:21 72:5	lines 15:25
48:2 49:19 50:4	35:9 39:18 49:20	kickoff 96:17	72:11	list 8:12 13:11 77:10
66:22 66:22 71:17	74:7 86:15 101:1	kill 93:5	legal 2:14 5:23 95:14	
74:3 80:23 84:20	102:14 103:4	kim 2:11 5:21 103:19	legislative 6:12	listed 68:15 75:7
86:11 94:18 102:6	103:22 104:16	kind 23:20 29:22	lengthy 49:13	75:11 75:11 75:13
items 3:16 8:15 8:19	104:21 105:11	31:19 38:21 52:20	less 25:19 26:5 26:6	75:17 76:21 80:2
8:21 8:24 52:7 64:4	105:14 106:7	66:3 66:5 80:8	62:7 62:10 67:4	listing 17:14 75:21
66:20 73:13 78:4	106:11	know 12:7 13:3 13:4	let 5:4 5:6 9:9 22:2	75:23 76:4
94:18 95:18	joined 13:17	14:3 21:7 22:5 22:7	23:14 27:9 27:20	little 18:16 21:5 29:1
itself 17:15 17:25	joint 27:4	24:14 26:15 26:20	44:25 48:1 57:6	29:4 29:10 42:19
37:21 37:23 65:5	jones 6:14 6:14 72:3		61:8 71:11 81:13	58:18 81:4 100:18
75:13 79:17 82:13	72:3 81:10 81:19	40:5 41:14 61:8	88:12 103:19	106:3
iv 3:12 9:10	83:10 83:22 84:11	67:1 67:8 68:15	104:18	ll 4:21 4:22 5:5 5:5
ix 3:19 94:18	84:17	68:17 69:24 75:12	letter 15:4 15:19	8:13 8:21 10:17

11:5 12:7 14:17	loss 18:22 41:21	manager 72:4 72:7	33:7 33:7 33:13	millenium 95:10
15:10 15:14 17:13	41:22 86:6	81:9 85:10	41:21 44:4 49:3	mind 19:20
18:5 18:21 21:6	lot 14:1 22:25 24:24	manner 33:11	60:18 76:8 80:1	minds 104:12
25:21 39:24 45:2	31:19 45:8 46:2	manual 50:19 50:20		mine 19:22
47:7 55:14 55:24	lots 98:13	51:22 66:2 66:3	81:11 87:8 96:21	minimal 18:22
55:25 57:20 57:24	louisiana 55:23	66:13 66:21 66:23	me 4:18 8:22 9:9	minimum 21:25 43:4
58:17 69:13 69:17	love 105:19	69:9 69:15 77:4	16:23 19:23 20:4	minute 29:3 67:5
70:9 71:14 71:21	low 51:21 51:21	81:18 83:15 89:14	22:2 22:7 23:14	71:11 87:3 87:16
77:21 81:24 83:20	53:11 53:11 61:19	90:2 90:3 90:10	25:7 32:18 34:14	87:25
84:15 87:8 89:17	92:7	manually 51:24 52:5		minutes 89:2 89:21
91:1 93:1 93:17	lowering 62:20	manufactured 25:2	76:8 82:22 84:4	102:14
94:2 95:24 96:6		85:18	87:11 88:12 97:10	mississippi 68:10
96:13 96:16 97:3	M	manufacturer 15:10	106:6	misspoke 76:9
97:5 97:9 99:19	machine 55:25	22:8 22:13 26:11	mean 26:5 31:21	model 27:3 27:23
99:20 100:22	made 14:7 19:12	29:12 31:18 37:1	54:24 58:18 81:16	38:24 42:24 43:5
104:18	20:3 23:17 36:11	38:7 75:20	97:18 103:11	45:2 45:11 45:21
llc 3:2 3:3 3:5 3:6 6:1	49:3 78:10 78:11	manufacturers	meant 61:2	modeled 29:14
14:6 14:20 36:10	79:3 79:10 79:12	26:22	measurements 18:14	modeling 37:23
71:17 84:21	79:16 80:3 80:6	manufacturing 37:1	mechanical 2:6	modification 7:9
lloyd 16:4 17:10	86:12 90:14 91:17	manway 45:19	103:5	7:13 58:20 73:1
19:21 20:8 20:18	105:17	many 103:13 103:13	mechanism 56:25	84:21 90:3 93:22
21:24 37:4	maintain 48:23 49:1	103:13	57:5	modifications 49:3
localized 41:21	64:5 93:2	map 18:4 18:7	meet 29:3 30:24 46:5	modulating 92:21
located 3:21 14:10	maintained 52:18	maplehurst 3:5	meeting 1:8 3:9 3:19	93:4 93:6
14:21 36:14 37:7	maintaining 49:5	71:17 72:4	4:4 4:22 8:17 10:7	moment 4:15
48:4 65:11 71:21	64:4	march 7:11 10:2	89:2 89:12 96:18	monday 96:9 96:11
84:23	maintains 13:9	89:2 89:7 89:13	102:8 102:15	96:12
location 15:7 39:6	maintenance 48:18	90:4	104:25	money 26:9
72:13	52:9 52:10 52:12	margin 27:12 27:14	meetings 4:9	moneys 105:4
lock 52:4	63:6 64:11 64:19	27:23 42:23	meets 21:25 38:8	monitor 72:14 77:11
locked 53:19	64:23 65:1 72:18	mark 26:13	member 2:4 2:6 2:8	98.0 80.10 01.22
lockout 50:20	73:8 73:9	marketing 95:9	5:14 5:16 5:18 5:20	monitoring 64:18
lockouts 51:22	major 30:17	98:24	105:12	72:20 73:6 73:11
logistical 19:6	make 4:22 7:3 12:16		members 10:3 25:10	80:14 84:9
long 26:20 31:1 36:2	12:18 17:5 18:16	marriage 107:17	95:17 103:25 105:3	month 57:19 59:16
70:13 88:17 105:15	20:21 23:15 29:23	marty 6:18 85:9	membership 104:1	59:17 61:10 62:9
longer 16:13 22:13	32:12 38:14 45:9	85:20 90:6	memphis 3:4 6:5 6:7	62:19 64:20 70:15
37:9 63:24	45:13 54:21 59:15	maskell 40:12	14:10 14:25 16:16	70:17
look 7:5 57:23 65:17		mass 13:4 13:9 13:10	36:14 37:11 48:2	months 58:25 59:23
66:3 70:4 76:11	77:3 77:4 77:7 79:6	master 103:8	48:4 48:8	59:23 59:23 60:7
88:12	81:13 81:14 82:12	match 60:20 77:6	mention 50:14	61:1 61:2 66:16
looking 45:6 49:7	83:25 84:5 94:12	matches 77:8	mentioned 68:12	moon 6:18 6:18 85:9
49:14 52:1 53:8	103:20	material 40:22	97:13	85:9 85:24 87:2
62:7 63:5 64:7	makes 18:2 52:5 67:4	materials 31:25 47:2	mentioning 4:8	87:7 87:10 87:13
65:19 78:14 79:2	78:6	math 24:25 39:2	mentoring 104:11	88:12 90:19 91:3
102:2	making 34:2 69:9	matter 10:24 107:18	mentorship 102:24	91:14 91:23 91:25
looks 49:15 66:3	69:15	max 98:21	meridium 54:13	92:3 92:10 92:13
loop 82:1	man 103:9 103:11	maxwell 95:10	met 26:11	92:15 92:23 93:7
lori 6:14	management 37:10	may 22:13 28:13	michael 72:3	93:14 93:18
lose 93:1 93:2 103:15	50:15 51:3 51:5	28:25 29:7 29:10	might 22:14 38:18	more 12:16 14:15
		20.20 27.7 27.10	-	

14:15 15:25 18:16	84:8 84:12 84:18	34:1 34:5 34:7 34:8	63:16 63:19 63:25	100:21 101:14
21:9 21:11 22:15	85:2 85:5 85:13	34:11 34:12 34:14	64:21 64:23 65:10	101:25
22:18 24:12 25:9	86:10 86:13 86:16	34:15 34:17 35:10	65:12 65:14 65:15	ms 5:5 5:9 5:21 6:10
25:11 33:11 33:12	88:4 88:25 89:19	35:12 35:19 35:25	66:7 66:7 67:3	6:12 6:14 13:8
38:17 39:12 40:17	90:1 90:25 91:4	36:2 36:7 36:20	67:10 67:22 67:25	13:13 13:16 13:24
40:22 43:23 79:4	91:21 91:24 92:2	36:21 36:22 39:22	68:4 68:6 68:8	35:13 60:2 60:3
102:20	92:5 93:9 93:19	40:1 40:1 40:3	68:12 68:14 68:15	60:5 60:9 72:6
morelock 2:2 4:2 5:3	93:21 94:5 94:7	40:11 40:12 40:14	68:19 68:20 69:17	74:17 74:23 75:1
5:15 5:15 6:24 7:18	94:11 94:16 96:9	40:24 41:2 41:3	69:20 69:23 70:9	75:19 75:25 76:8
7:21 7:23 8:1 8:4	96:16 96:20 97:2	41:5 41:13 41:16	70:11 70:12 70:16	82:19 94:19 94:21
8:6 8:9 9:4 9:7 10:8	97:7 97:11 98:20	41:18 41:19 42:1	71:8 72:1 72:3 72:8	96:11 96:19 96:23
10:11 10:16 11:4	98:23 99:6 99:12	42:6 42:10 42:14	74:4 74:10 74:11	97:3 97:9 97:16
11:12 11:21 11:25	99:22 100:25 101:9	42:20 44:7 44:7	74:12 74:14 74:15	97:20 98:5 98:11
12:3 12:10 12:12	101:12 101:17	44:9 44:14 44:21	74:18 74:21 74:24	98:22 99:4 99:10
13:2 13:12 13:15	101:21 102:1 102:4	44:24 44:25 45:4	75:2 75:5 75:8	99:13 99:16 99:19
13:20 13:23 19:10	104:18 106:16	45:5 45:15 45:17	75:10 75:16 75:23	100:1 100:3 100:5
19:13 19:16 24:22	morning 4:2 10:22	46:1 46:6 46:8	76:2 76:5 76:10	100:7 100:9 100:13
26:1 29:6 29:9 30:7		46:12 46:21 47:5	76:14 76:15 76:16	100:14 100:17
33:24 34:22 35:1	most 31:24 46:12	47:21 47:23 48:6	76:18 76:19 76:24	100:22 101:1
35:7 35:11 35:14	73:3 77:15 84:1	48:9 48:11 48:13	77:16 77:24 78:2	101:11 101:15
35:17 35:20 35:23	96:11	49:22 50:1 50:8	78:3 78:15 78:17	101:20 102:2
36:4 36:8 36:19	motion 7:19 19:11	50:11 50:12 50:21	78:18 78:19 78:23	104:21 105:10
39:16 39:20 39:23	19:12 19:14 35:2	50:22 50:23 50:24	79:7 79:9 79:19	105:23 106:4
42:2 42:8 42:12	39:17 46:24 49:18	50:25 51:1 51:2	79:24 80:9 80:16	106:13
42:15 42:18 44:23	49:24 69:5 74:3	51:6 51:10 51:12	80:20 81:1 81:7	much 12:18 21:9
46:23 47:6 47:10	74:4 74:6 82:6	51:13 51:15 51:18	81:10 81:19 81:24	22:15 25:19 37:14
47:12 47:15 47:22	82:23 86:11 86:12	51:20 51:23 52:1	82:11 83:10 83:17	39:5 39:12 71:8
47:25 49:17 49:23	93:22	52:6 52:20 52:24	83:20 83:22 84:11	100:15 104:15
50:2 50:6 51:8 54:2	move 5:4 10:17	53:1 53:2 53:3 53:4		104:22 105:14
54:6 54:10 54:20	39:18 49:20	53:7 53:9 53:10	85:7 85:9 85:11	must 28:9 53:5 65:7
54:24 55:2 55:7	moved 7:20 86:13	53:13 53:14 53:15	85:15 85:24 86:12	79:22
55:19 56:9 56:14	moves 103:16	53:18 53:19 53:20	86:18 86:21 86:23	my 14:19 15:4 15:19
56:19 56:22 57:1	moving 14:4	54:4 54:5 54:9	86:24 87:1 87:2	20:10 20:15 20:21
57:4 58:22 59:4	mr 5:13 5:19 5:23	54:16 54:23 55:1	87:5 87:7 87:8	22:9 23:11 27:1
59:9 59:18 60:8	5:25 6:2 6:4 6:6 6:8	55:4 55:5 55:8	87:10 87:11 87:13	27:23 30:8 31:2
60:14 60:17 61:4	6:16 6:18 6:20 6:22	55:10 55:11 55:13	87:18 87:22 87:24	32:22 42:19 43:4
62:2 65:21 65:24	7:20 9:6 10:20 11:5	55:14 55:21 56:3	88:1 88:3 88:6	44:6 56:24 67:16
66:10 67:7 67:11	11:13 11:22 12:1	56:4 56:6 56:11	88:12 89:15 89:23	68:2 78:11 81:7
67:23 68:1 69:1	12:4 12:11 12:22	56:16 56:21 56:24	90:19 91:3 91:7	87:18 91:5 107:20
69:4 69:19 69:22	14:12 14:19 19:12	57:2 57:6 57:14	91:8 91:14 91:23	107:25
70:14 70:19 70:22	19:18 19:19 19:19	57:15 57:17 57:20	91:25 92:3 92:6	myself 12:25 43:2
70:25 71:2 71:5	20:3 20:14 20:19	57:22 57:23 58:2	92:10 92:11 92:13	85:4 104:10
71:9 71:16 71:25	20:21 20:23 21:1	58:5 58:11 58:12	92:14 92:15 92:20	N
74:2 74:5 74:8 75:3	21.2 21.3 21.1 21.9	58:19 58:21 59:2	92:23 93:3 93:7	
76:25 77:20 78:13	21:6 22:2 22:5	59:13 59:14 59:25	93:8 93:11 93:14	nalco 6:3 48:12
78:16 78:21 80:4	22:21 22:22 23:14	60:4 60:16 60:22	93:17 93:18 94:9	name 14:16 14:19
80:11 80:19 80:22	23:20 24:5 24:10	60:25 61:3 61:6	94:15 97:13 97:17	38:5 43:1 72:17
81:6 81:16 81:20	24:20 24:24 25:15	61:12 61:16 61:17	97:24 98:10 99:2	88:13
82:2 82:5 82:14	25:21 26:14 26:24	61:23 61:24 62:4	99:5 99:8 99:14	nameplate 17:17
82:21 83:3 83:5	27:9 29:2 29:8 30:8	62:6 62:22 63:1	99:17 99:23 99:24	32:17
83:8 83:11 83:19	31:4 31:6 33:23	63:5 63:9 63:10	100:11 100:15	names 3:24
			I	I

			T	1
nashville 3:22 94:25	101:14	67:20 73:15	88:9 90:20	25:2 28:12 29:16
national 31:8 73:15	night 67:6 97:4		operated 16:12 37:8	31:14 31:16 32:15
73:18 96:25	nitrogen 3:6 6:15	0	operating 16:18	33:5 33:21 40:24
natural 4:10	6:17 6:19 7:7 84:21	oakridge 31:8 31:11	38:22 52:14 52:22	42:3 48:16 51:7
nature 95:9	85:10 85:12 93:23	objection 44:20	58:15 66:14 86:25	51:18 51:19 52:4
navigate 12:19	nods 101:11	objections 44:16	87:12 87:15 89:4	55:12 56:1 57:10
nay 35:24	nomenclature 25:4	objective 20:16	89:25 90:18	58:24 62:9 63:21
nbic 53:24 54:1 54:6	75:13	32:10	operation 14:24	65:16 68:8 73:3
54:18 54:22 55:3	noncorrosive 41:9	observed 71:15	18:25 19:6 23:13	83:12 89:20 89:22
55:17	nondestructive	obviously 62:11	31:9 38:6 39:15	95:24 97:21 99:24
necessarily 35:24	17:22 17:23 21:19	occur 62:11	48:19 54:3 54:7	103:1 105:5
93:1	24:17	occurring 63:3	54:11 84:10 94:1	outcome 107:18
necessary 16:22	none 7:19 10:17 34:5	october 69:21	operational 64:13	outfit 88:14
41:11 44:19 64:17	47:7 82:6 93:21	off 9:3 19:22 39:9	87:14 87:20 90:22	outgoing 95:25 96:2
need 4:13 14:15 19:7	noon 97:6	52:16 78:3 78:11	90:24	outside 4:13 17:3
24:4 24:16 26:17	normal 52:17 58:15	79:11 89:1 91:12	operations 48:10	65:17 67:4 88:15
29:19 29:22 30:9	59:16	91:19 92:3 92:21	54:12 85:10 85:21	88:21 92:24
30:12 45:23 54:21	notary 107:4 107:24		89:9	outstanding 46:22
66:20 67:1 70:4	note 3:24 4:21 13:5	102:12	operator 56:8 56:13	50:10 106:8
76:23 81:12 81:12	15:11 18:2 23:5	office 3:21 6:11	65:17 65:19 79:20	over 11:15 21:22
84:7 89:4 89:13	25:22 43:18 54:21	10:21 10:22 10:24	88:21 89:6 89:16	29:23 48:10 50:17
90:7	73:21 74:24	11:1 11:2 11:10	89:24	63:5 71:13 80:13
needed 31:15 37:9	nothing 42:1 78:25	official 77:19	operators 49:2 56:12	
52:3 63:13 73:14	notice 11:6 40:13	officially 106:17	88:16	overleaf 19:25 20:5
	1 4 - 0	-14 15.577.1		
needs 76:21 79:4	45:2	often 45:5 77:4	opinion 20:22 23:12	20:11
negate 81:17	noticed 34:23	old 3:13 9:1 10:17	opportunity 95:3	overseeing 16:6
negate 81:17 never 89:12	noticed 34:23 notifications 13:18	old 3:13 9:1 10:17 25:2	opportunity 95:3 opposed 8:4 35:11	overseeing 16:6 own 105:5
negate 81:17 never 89:12 neville 6:20 6:20	noticed 34:23 notifications 13:18 notified 13:1 16:3	old 3:13 9:1 10:17 25:2 older 27:18 64:7	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25	overseeing 16:6 own 105:5 owned 16:10
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15 new 3:15 4:8 12:18	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10 45:12	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21 105:15	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9 22:8 28:2 29:19	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3 39:12
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15 new 3:15 4:8 12:18 14:4 38:21 60:4	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10 45:12 number 9:16 9:20	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21 105:15 ones 31:14 41:1	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9 22:8 28:2 29:19 38:9	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3 39:12 pads 45:12
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15 new 3:15 4:8 12:18 14:4 38:21 60:4 60:22 83:23 94:17	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10 45:12 number 9:16 9:20 9:23 16:12 16:25	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21 105:15 ones 31:14 41:1 53:16	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9 22:8 28:2 29:19 38:9 originally 15:8 38:23	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3 39:12 pads 45:12 page 3:1 28:21 50:13
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15 new 3:15 4:8 12:18 14:4 38:21 60:4 60:22 83:23 94:17 newer 64:8	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10 45:12 number 9:16 9:20 9:23 16:12 16:25 17:1 31:10 37:8	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21 105:15 ones 31:14 41:1 53:16 ongoing 94:24	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9 22:8 28:2 29:19 38:9 originally 15:8 38:23 40:19	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3 39:12 pads 45:12 page 3:1 28:21 50:13 50:23 50:24 50:25
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15 new 3:15 4:8 12:18 14:4 38:21 60:4 60:22 83:23 94:17 newer 64:8 newest 57:12	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10 45:12 number 9:16 9:20 9:23 16:12 16:25 17:1 31:10 37:8 48:4 48:17 48:17	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21 105:15 ones 31:14 41:1 53:16 ongoing 94:24 open 3:16 25:7 39:24	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9 22:8 28:2 29:19 38:9 originally 15:8 38:23 40:19 others 12:25	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3 39:12 pads 45:12 page 3:1 28:21 50:13 50:23 50:24 50:25 67:11 77:25 78:14
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15 new 3:15 4:8 12:18 14:4 38:21 60:4 60:22 83:23 94:17 newer 64:8 newest 57:12 next 3:19 7:1 36:8	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10 45:12 number 9:16 9:20 9:23 16:12 16:25 17:1 31:10 37:8 48:4 48:17 48:17 62:23 62:24 64:6	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21 105:15 ones 31:14 41:1 53:16 ongoing 94:24 open 3:16 25:7 39:24 49:11 49:16 49:25	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9 22:8 28:2 29:19 38:9 originally 15:8 38:23 40:19 others 12:25 otherwise 3:24 25:14	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3 39:12 pads 45:12 page 3:1 28:21 50:13 50:23 50:24 50:25 67:11 77:25 78:14 78:15 78:25 79:1
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15 new 3:15 4:8 12:18 14:4 38:21 60:4 60:22 83:23 94:17 newer 64:8 newest 57:12 next 3:19 7:1 36:8 66:22 79:6 84:20	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10 45:12 number 9:16 9:20 9:23 16:12 16:25 17:1 31:10 37:8 48:4 48:17 48:17 62:23 62:24 64:6 64:8 66:20 66:23	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21 105:15 ones 31:14 41:1 53:16 ongoing 94:24 open 3:16 25:7 39:24 49:11 49:16 49:25 81:8 86:10 94:18	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9 22:8 28:2 29:19 38:9 originally 15:8 38:23 40:19 others 12:25 otherwise 3:24 25:14 25:17	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3 39:12 pads 45:12 page 3:1 28:21 50:13 50:23 50:24 50:25 67:11 77:25 78:14 78:15 78:25 79:1 80:23 80:24 81:25
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15 new 3:15 4:8 12:18 14:4 38:21 60:4 60:22 83:23 94:17 newer 64:8 newest 57:12 next 3:19 7:1 36:8 66:22 79:6 84:20 102:8	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10 45:12 number 9:16 9:20 9:23 16:12 16:25 17:1 31:10 37:8 48:4 48:17 48:17 62:23 62:24 64:6 64:8 66:20 66:23 69:25 73:15 73:16	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21 105:15 ones 31:14 41:1 53:16 ongoing 94:24 open 3:16 25:7 39:24 49:11 49:16 49:25 81:8 86:10 94:18 opening 19:17	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9 22:8 28:2 29:19 38:9 originally 15:8 38:23 40:19 others 12:25 otherwise 3:24 25:14 25:17 ourselves 65:1 99:3	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3 39:12 pads 45:12 page 3:1 28:21 50:13 50:23 50:24 50:25 67:11 77:25 78:14 78:15 78:25 79:1
negate 81:17 never 89:12 neville 6:20 6:20 6:21 6:22 6:23 6:23 72:1 72:1 72:2 72:8 74:11 74:14 75:8 75:16 76:2 76:10 76:15 76:18 76:24 77:16 78:2 78:18 79:7 79:19 80:9 80:16 80:20 81:24 83:17 83:20 85:7 85:8 85:8 85:15 86:23 87:1 89:15 89:23 94:15 new 3:15 4:8 12:18 14:4 38:21 60:4 60:22 83:23 94:17 newer 64:8 newest 57:12 next 3:19 7:1 36:8 66:22 79:6 84:20	noticed 34:23 notifications 13:18 notified 13:1 16:3 21:9 79:21 november 69:21 now 10:17 10:24 11:8 30:1 33:9 53:25 54:18 59:4 73:16 76:10 78:11 79:12 79:17 84:7 86:24 97:16 99:11 nozzle 45:19 nozzles 27:5 34:13 34:15 34:21 37:24 45:3 45:9 45:10 45:12 number 9:16 9:20 9:23 16:12 16:25 17:1 31:10 37:8 48:4 48:17 48:17 62:23 62:24 64:6 64:8 66:20 66:23	old 3:13 9:1 10:17 25:2 older 27:18 64:7 once 12:6 12:23 16:9 48:25 79:20 80:5 80:12 99:13 one 7:6 22:23 25:20 31:20 31:22 35:12 35:20 35:24 42:11 42:13 46:14 57:11 59:10 61:1 65:25 66:13 69:23 76:21 77:24 83:22 85:6 85:16 87:13 87:21 89:3 89:8 103:21 105:15 ones 31:14 41:1 53:16 ongoing 94:24 open 3:16 25:7 39:24 49:11 49:16 49:25 81:8 86:10 94:18	opportunity 95:3 opposed 8:4 35:11 35:18 47:10 70:25 83:3 94:5 opposition 35:20 opt 13:17 order 3:9 4:4 64:4 orders 4:19 63:6 organization 16:3 16:4 17:20 21:12 23:22 84:13 organizational 77:5 orientation 89:11 origin 25:24 original 17:18 18:9 22:8 28:2 29:19 38:9 originally 15:8 38:23 40:19 others 12:25 otherwise 3:24 25:14 25:17	overseeing 16:6 own 105:5 owned 16:10 owner 2:2 2:8 12:25 22:18 26:2 27:16 27:17 44:15 58:24 owners 41:7 ownership 16:15 oxidation 85:25 P package 15:3 15:13 17:8 22:4 22:17 29:2 37:15 38:12 38:15 38:25 39:3 39:12 pads 45:12 page 3:1 28:21 50:13 50:23 50:24 50:25 67:11 77:25 78:14 78:15 78:25 79:1 80:23 80:24 81:25 88:6 90:2 90:4 90:9

65:10 72:23	100:21 103:25	plans 94:23 96:8	17:9 20:24 26:3	protected 90:13
paper 27:17 69:11	perfectly 18:25 37:24	ı -	l	protocol 80:2
paragraph 28:22	61:17 89:22	90:20	31:7 31:10 31:13	provide 20:7 34:18
50:15 51:2 56:7	performed 9:16	plants 90:23	31:21 36:11 42:25	38:3 38:13 38:18
56:12 56:17 57:8	18:10 21:24 23:3	plate 38:5 43:1	43:1 43:24 52:10	45:24 46:18 67:19
58:3 58:16 60:24	23:17 23:21 24:7	platinum 86:1	58:6 61:9 61:20	68:19 105:6
60:25 61:19 67:12	37:22 38:10 40:12	please 8:13 8:24	71:18 71:20 84:23	provided 3:24 74:13
71:19	41:4 41:16 45:23	pleasure 50:9	pressures 18:14	providing 67:2
parameters 38:22	63:7	plus 11:17 29:20	pressurization 92:12	
90:12	performing 44:10	pmb 1:24	pretty 12:19 33:17	psig 26:5
pardon 34:14	52:9 64:19	pmi 23:15 44:10	98:4 101:23	public 11:14 101:6
parks 4:14	period 10:1 46:2	44:16 46:16 47:1	previous 31:6	107:4 107:24
parkway 1:23	63:24	point 11:6 16:19 32:		publication 12:14
part 19:25 20:8	permit 17:14	32:15 49:12 81:22	62:23	published 13:6
34:13 34:16 34:20	personal 22:9	82:14 82:15	primarily 53:22	pull 14:15 57:12
44:17 46:19 54:7	personally 102:23	policy 48:22 48:22	primary 27:7 42:25	89:20
77:17 80:17 89:17	personnel 4:11 53:6		prior 27:11 30:20	pulled 57:25
101:15 105:20	79:2 79:5 79:15		86:18 86:21 95:14	purpose 16:18 17:7
participants 96:4	80:1 97:25 98:2	polytechnic 103:6 poor 22:12	probably 11:14	purpose 10:18 17:7 pursuant 19:6
96:12 97:14 98:7	persons 83:25 95:12	position 10:4 52:18	22:19 31:16 44:12	pursue 49:7
100:16 101:10	ph 2:6 103:9	78:11 79:11 79:18	61:2 96:12	pursue 49.7 pushed 65:7
participated 16:3	phase 5:4 49:18		problem 55:25 70:11	1 -
participation 15:23	phenomenal 101:24	positive 64:2 possible 22:14 75:19	1	Put 22.3 27.3 27.3
particular 16:14	phillips 104:24	Possisio ==::: /cii/	48:19 48:20 48:21	48:16 51:4 52:17
23:9 24:15 29:2	phone 8:16 67:19	possibly 68:18	49:15 57:3 64:15	61:4 61:14 62:9
92:22 98:17 98:18	78:11 79:3 79:10	posted 81:3	70:5 91:9	62:19 66:8 66:21
parties 3:25 107:16	80:3	pouring 104:12	procedures 52:15	67:7 68:24 72:22
parts 43:1	phonetically 3:24	power 58:6 93:6	78:1 79:13 88:7	78:10 79:17 80:10 97:21 103:24
party 15:23 21:8	photocopy 17:16	prayers 4:24	88:22 89:9	
21:11 21:13 21:17	photograph 17:16	pre 42:21 42:22	proceedings 106:19	putting 26:12
pass 4:19 28:24 73:2	photographs 18:1	prearrangements	107:8	Q
pass 4.17 26.24 73.2 passage 36:1		99:8	process 9:25 12:6	qualification 21:18
passed 86:3	physical 28:17	prefer 66:8	12:8 16:4 16:21	88:11
passes 36:5	physically 28:12	preference 58:25	24:14 26:18 30:3	qualifications 21:14
passing 8:12	picked 40:8	prepared 23:15	31:11 32:4 33:13	qualified 56:12 77:13
passing 8.12 password 90:12	picking 78:25	38:25 95:15	28.21 64.5 64.16	88:8 88:20 88:22
past 75:22 75:24	picture 106:14	preparing 45:1 95:1:	85:22 91:19 101:19	
97:25 98:6 98:21	piece 16:23	presence 86:1	processed 27:15 86:3	00.21
paying 100:19	piggy 89:1	present 8:25 14:13	produce 22:18 68:18	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
100:23 101:8	pipe 29:16 39:1	14:14 14:16 14:22	produced 16:8 17:12	1 41020022003
pearl 95:2 98:13	40:19	48:14 85:14 97:1	program 53:24 67:14	==:== ==:== = :
ped 21:1 21:8 21:9	piping 29:14 40:13	presentation 19:3	67:17 67:18	quarterly 1:8 30:24
33:12	40:15	103:20	programmer 76:17	quarterly 1.8 50.24 question 20:15 28:23
	pitting 41:14	presented 16:24	projection 95:11	35:8 46:11 47:7
penalized 29:12	placard 78:20 78:22		proper 42:23	51:14 53:21 54:17
people 45:5 98:25	78:23 79:1 79:1	105:10	1 16 00 17 5	
99:3 104:12	81:2 81:3	presenters 8:18 95:9	17:6 30:5	69:23 70:23 75:5
per 4:18 48:15 49:6	place 4:12 10:1 43:10	/ / /	proposal 60:4	82:9 83:22 87:9
49:9 66:24 81:18	places 41:20 54:14	presents 18:24	propose 39:14	90:21 94:3
100:10	plan 72:12 72:19	president 14:20	proposed 38:6 58:7	questions 10:13
percent 29:17 67:2	planned 95:19 96:7	pressure 15:12 16:1	proposeu 30.0 30.7	questions 10.13
	İ	İ	İ	i

12:21 13:21 19:18	105:9 106:2	registration 96:10	41:6 43:3 50:10	93:20 94:4 94:6
19:20 24:23 33:25	readily 24:16	96:13 101:4 101:5	representative 2:2	responsibility 67:17
34:24 44:3 47:4	readings 18:5 18:6	101:18	2:4 2:6 2:8 48:12	80:21
50:13 66:12 70:20	reads 11:18	regular 80:13	representatives 16:5	
	ready 12:14 14:13	regulation 26:7	representing 102:22	67:20 90:5 90:7
97:12	reality 53:23	regulations 71:19	repurposed 16:16	rest 86:5
quick 31:4 45:7 98:4	realize 26:18	107:12	38:21	resume 103:11
quite 9:14 77:4	reason 20:15 24:4	related 107:15	repurposing 37:11	retention 26:20
quo 62:25	53:21 98:11	released 16:10	request 14:23 19:1	retract 94:10
quorum 36:3	reasons 17:1 44:13	rely 23:2	38:13 48:15 49:12	return 79:21
	92:16	relying 20:17 25:9	72:9 96:25 101:5	reveal 41:1
R	receive 58:8 60:10	26:24	requesting 7:8 7:9	revealed 41:15
randall 90:5	61:20 89:8 105:4	remaining 32:1 32:3	_ ~	reverse 31:20 31:23
randy 6:16 85:11	received 78:5 104:2	40:17 40:21	requests 36:10 48:2	review 18:17 21:15
rate 27:17		remember 4:24	71:17 84:21	
rather 95:15 105:19	recently 72:4 72:10	88:13 88:18	require 15:20 15:22	21:20 31:15 38:16
raw 46:3	07.2		21:11 21:13 21:15	69:10 69:15 81:13
rbi 67:17	receptions 96:6	remote 72:14 72:17	21:17 21:13 21:13 21:13 21:13	95:14 reviewed 18:18
re 7:2 7:9 12:11	recess 71:15	73:6 73:10 77:11	30:21 33:3 75:7	
12:19 20:8 20:23	recognition 106:8	78:6 78:9 79:5		99:11
23:22 25:23 26:12	recognized 22:19	79:22 80:1 80:13	required 21:23 26:23	- · · · · · · · · · · · · · · · · · · ·
26:23 26:24 27:16	recommend 7:6	91:22	33:9 34:9 40:20	reviews 23:25
27:17 34:17 34:21	reconvene 71:14	remotely 64:22	43:4 46:10 52:15	revision 57:12
41:5 45:12 48:14	record 8:14 9:3	remove 56:8 56:17	64:12 65:7 66:18 89:10	reword 87:8
48:18 51:21 51:25	26:19 37:5	renewals 59:10		rhone 6:10 6:10 60:3
52:9 53:16 53:23	recorded 18:7	renewed 59:5	requirements 21:22	60:5 60:5 60:9
54:18 55:9 55:17	records 22:3 22:6	reorganization 3:13		94:19 94:21 96:11
55:24 57:18 58:2	22:15 23:1 26:22	9:2 10:19	26:20 35:4 43:24	96:19 96:23 97:3
59:1 60:19 62:6	26:23 37:16	repair 30:17 43:11	50:18	97:9 97:16 97:20
62:12 62:20 64:3	recovering 4:23	55:15 63:22	requires 29:16 33:4	98:5 98:22 99:4
64:3 64:25 67:2	red 32:18	repaired 30:12	67:19 101:4	99:10 99:13 99:16
67:12 69:10 69:10	reduce 27:14	repairs 29:24 30:4	rescinded 66:19	99:19 100:1 100:5
69:12 69:24 70:16	redundancy 51:17	30:16 30:17 30:20	researching 49:14	100:9 100:14
77:2 78:14 78:24	reevaluated 27:21	34:10 47:19 63:7	reset 50:20 51:22	101:20 105:10
78:24 80:8 80:13	refer 50:22 81:4	63:11 63:21 64:17	52:5 53:5 64:22	ridiculous 38:15
80:15 80:24 81:15	81:25	repeat 78:4	65:4 65:6 79:23	right 6:24 7:18 9:14
	reference 23:17	replaced 40:2 40:7	residing 104:7	10:11 21:6 30:6
81:20 83:23 84:1 84:18 85:15 85:22	referenced 54:17	40:10 43:8	resistant 44:13	35:18 36:5 36:19
86:24 87:3 87:6	references 12:17	report 3:12 9:11 9:13		39:24 41:2 46:12
87:12 87:15 90:2	referring 52:21 58:3	10:10 10:14 12:20		47:15 47:22 50:6
90:16 91:11 94:23	refers 78:25	17:20 17:25 20:6	response 5:2 7:17	51:22 55:1 55:5
96:3 97:14 97:20	refinery 3:4 6:5 6:7	24:5 24:6 24:11	7:25 8:3 8:5 8:8	55:16 55:19 55:20
	48:2 48:7 48:8	24:13 26:24 28:6	10:15 13:22 31:5	57:20 59:24 61:5
97:22 98:5 98:8 98:12 99:17 101:4	53:25 54:9	28:21 31:18 37:13	32:22 34:25 35:6	61:18 65:24 68:19
	reflect 60:1	37:19 41:20 43:7	35:16 35:22 36:18	78:18 78:21 79:19
102:2 103:14	regarding 15:3 46:11	50:22 61:25	42:17 47:9 47:11	80:7 80:14 80:19
103:23 104:13	95:8	reporter 3:24 3:25	47:14 50:5 65:23	81:19 86:24 90:25
reaction 86:6	register 16:5 17:10	5:7	69:3 70:21 70:24	96:11 96:23 97:16
reactor 36:23 47:18	19:21 20:18 21:24	reporting 1:23 5:8	71:1 71:4 71:24	99:6
read 25:12 36:9	37:4 99:1	10:1	74:20 82:4 83:2	rigorous 25:18 27:2
36:12 58:16 65:17	registered 39:9	reports 18:20 40:25	83:4 83:7 86:20	risk 53:24 54:1 54:19
	registereu 37.7	_		

robinson 2:4 5:13	102:7	scheme 73:4	service 24:18 28:14	22:21 24:20 41:18
5:13 19:19 20:14	rulemaking 12:6	science 103:5	34:9 37:17 40:18	44:15 45:4 46:7
20:21 21:1 21:3	12:8	scope 54:1 54:19	40:23 41:8 43:24	51:12 51:19 53:1
21:5 22:2 22:21	rules 1:2 1:9 3:19 4:4		45:6 54:11 104:14	55:13 56:3 57:14
23:14 24:5 24:20	10:20 12:18 12:21	72:24	105:11 105:19	58:19 59:2 61:16
31:6 33:23 34:12	13:5 37:2 48:16	search 31:12	106:8	63:2 64:1 67:3
34:15 35:12 35:19	49:6 55:18 71:19	second 7:21 7:22	session 97:5	67:10 67:22 67:25
40:1 40:11 40:24	105:12	7:23 14:7 17:14	set 18:9 92:18 92:24	68:14
41:3 41:13 41:18	run 88:22 93:13	19:1 19:14 19:15	107:20	sis 53:4 65:4
42:1 42:6 42:10	running 43:21 72:11		shakes 93:7	sit 71:12
42:14 44:7 44:9		39:21 39:22 39:24	shall 58:8 58:9 61:20	site 19:7 48:12 48:22
44:21 44:24 45:4	S	47:5 49:22 49:24	66:15 66:24	49:8 52:19 72:12
45:15 46:1 46:8	sad 102:16	56:7 56:7 56:11	shedding 64:14	82:16 82:25 83:13
46:21 47:5 49:22	safe 4:12 18:25 23:13		shell 28:23 45:8	84:2 93:25
50:1 50:8 50:12	28:3 28:18 37:25	74:7 82:6 86:14	shells 45:14	sitting 78:8
50:25 51:2 51:10	43:2 52:3 64:6	86:15 90:15	shift 67:6 73:8 73:12	situation 23:8 31:7
51:15 51:20 52:1	81:15	seconded 46:24	73:12 89:4 89:25	33:2 80:7 91:13
52:20 53:1 53:3	safety 4:6 4:15 10:5	secretary 2:16 5:10	ship 37:10	six 57:19 61:2 66:16
53:7 53:10 53:14	17:6 21:22 31:7	10:25 11:2 11:10	shipped 16:16 16:20	skew 34:12 34:15
53:18 53:20 54:5	31:9 32:5 50:16	section 15:15 37:3	37:6	skills 105:6
54:9 54:16 55:5	51:15 62:15 62:16	43:21 51:1 66:9	short 81:5	slight 77:6
55:10 55:13 56:3	62:25 90:12	secure 95:7	show 38:3 68:21	slightly 16:17
56:6 56:11 56:16	said 24:7 32:21 33:1	security 4:10	68:22 89:4	slot 7:6
56:21 57:2 57:6	43:6 97:19	see 15:14 17:17	showing 37:24	small 27:6 105:1
57:15 57:20 57:23	sam 2:10 5:11 9:12	18:21 25:18 26:15	shown 18:15	105:8
58:5 58:12 58:21	69:18 103:19	42:7 50:9 57:7	shows 18:1 39:6	soft 52:7
59:14 59:25 60:4	same 36:24 37:22	57:13 57:20 57:24	44:10 72:13 73:3	software 54:14
60:16 60:22 61:12	38:10 46:15 92:8	58:17 58:18 61:5	shut 51:24 55:16	sold 46:2
61:17 61:24 74:4	92:9	65:18 66:4 69:12	62:8 64:10 64:15	solely 20:17
86:12 86:18 86:21	satisfactory 41:10	75:13 75:14 77:12	66:18 80:6 80:12	solicit 95:20
86:24 87:5 87:8	satisfied 65:8	seeing 80:5	80:18 91:12 91:22	somebody 32:21
87:11 87:22 88:1	satisfy 27:8 43:23	seeking 48:18	92:3 92:7	56:18
91:7 93:11 93:17	save 26:9	seen 18:18 23:11	shutdown 62:17	someone 32:15 52:4
99:8 99:14 99:17	say 8:2 9:6 14:1	23:16 25:18 40:25	62:21 63:3 63:13	something 29:16
99:23 100:21	24:15 27:15 31:5	41:1	shuts 91:19	30:17 44:8 44:18
101:14	35:8 44:8 47:7	send 11:5 13:10	shutting 62:12 91:11	
room 12:25 72:13 72:19 72:23 79:17	55:16 58:13 70:23	84:14	side 4:14 29:20	sometimes 77:6
79:22 92:1 95:2	79:16 82:9 83:1	sending 95:24	sign 8:13	somewhat 25:3 25:7
95:17 98:13 98:14	86:9 94:3 94:23	sent 4:17 12:24 15:2	signature 95:14	sorry 9:4 9:5 9:12
98:18	98:24 103:2 103:18	16:10 22:16 22:17	signed 39:8 52:16	50:25 51:13 56:1
rooms 99:20 100:16	saying 26:11 55:6	37:16 49:12	significant 104:2	61:7 82:11
rosa 4:14	57:24 68:18	sentence 56:7 56:12	silence 8:17	source 86:7 91:12
round 67:4	says 7:7 19:23 28:22	7 0.10	similar 15:24 32:4	92:21
rounds 87:4 87:16	32:15 58:6 74:25	separate 12:5	37:19 39:13	south 15:9 15:11
row 81:14	76:12 78:7 88:7	separately 12:5 39:2	simple 32:23 86:8	15:18 15:20 22:9
rule 3:14 3:18 3:18	scada 72:22 72:25	september 3:20 10:6	simply 100:23	22:10 33:2 37:1
9:2 10:19 11:17	scenario 62:21 63:3	94:22	since 4:8 20:16 43:11	37:2
12:23 55:2 66:25	schedule 68:21 69:17	sequence obto	101:6	span 59:10
66:25 66:25 82:7	scheduled 3:20 10:6	served 97:19 102:17	single 28:24 31:21	speak 13:24 13:25
82:8 101:3 101:6	schedules 105:5	102:20	sir 10:12 20:4 21:3	26:2 88:20
02.0 101.3 101.0			·	

special 14:8 14:25	107:5 107:24	suffice 43:14	system 26:21 48:21	30:1 30:3 30:10
16:25 19:5 30:1	stated 15:19 90:4	sufficient 23:11	50:15 51:3 51:5	30:12 30:15 30:19
30:3 30:10 30:15	statement 17:10 20:5	l	52:22 53:2 67:1	30:22 31:2 35:2
31:2 35:3 36:12	states 15:24 17:4	suite 1:24	72:22 72:25 73:22	36:12 36:15 38:7
39:15 43:12 44:1	90:5 90:6 90:15	superintendent	73:23 75:11 75:12	39:10 39:15 43:12
46:25 47:16	98:1 98:8	48:10	76:17 76:20 76:21	44:1 46:25 47:16
specific 55:6 76:22	stating 67:12	supervisor 6:11 89:5		47:20 47:20 48:5
89:9 95:7	station 72:14 72:17	89:25	systemic 16:18	54:25 66:14 71:21
specifically 54:8	73:7 73:10 78:6	supplied 92:24	systems 65:4 76:7	84:15 84:24 95:1
specified 19:1	78:9 79:5 79:23	supply 72:7 74:13		104:8 105:12
speeches 105:15	80:1	support 45:24	T	106:10 107:2 107:5
speed 101:18	status 19:5 62:25	supposed 68:20	table 7:3 14:14 24:25	l
spelled 3:24	78:7 104:2	101:5	25:11 46:24 69:5	tenure 104:6
spoken 81:11	statute 11:17	sure 4:22 17:5 20:23	00 60614	terms 19:24 24:13
spots 103:1	stay 4:23 60:24 67:1	29:24 32:12 34:3	take 25:13 27:18	37:20
staff 32:19 83:24	steam 32:20 52:10	40:5 40:9 44:12	29:17 51:6 62:15	test 28:14 61:6
84:3	64:14 64:16	45:9 45:13 54:23	71:11 81:12 81:22	testing 16:6 35:3
stainless 46:14	steel 46:3 46:14	69:9 69:11 69:16	92:8 102:11 102:13	
stamp 15:22 17:2	step 79:6 104:19	70:18 77:4 77:8	103:12 105:5	texas 55:23
25:14 26:10 30:14	steve 6:6 48:9	81:13 81:14 94:12	106:14	text 77:4 77:8
31:18 32:24 33:3	still 22:8 33:4 40:21	95:3 100:3	taken 17:16 18:2	thank 9:7 10:12
43:11 55:22	80:7 87:3 87:15	surrounding 98:1	18:5 18:11 107:8	12:20 24:20 33:23
stamped 26:4 43:9	87:24 90:17 91:1	98:7	talked 27:9 47:17	35:14 36:6 36:21
43:16 46:8	93:16 93:17	survey 31:22	100:24	44:24 46:22 47:23
standpoint 62:15	stone 1:23 5:8	susceptibility 62:16	talking 41:5 52:14	47:25 50:2 50:11
64:1 64:13		62:20	65:3 68:6 91:11	55:10 56:3 62:1
start 5:5 12:7 36:16	stop 91:14 93:5 93:12	suspect 24:4	100:7 100:9	71:8 71:9 83:10
		suspect 24.4 sustain 64:20	talks 57:15	83:11 84:17 84:19
49:18 65:9 started 46:4 87:15	stream 38:21		tasked 31:8	90:14 94:15 101:20
	strength 46:10	swezy 5:25 5:25 14:12 14:19 14:20	tasks 33:5	101:21 101:22
starting 15:4 62:12	stress 31:24	19:18 19:19 20:3	team 73:8	104:14 104:16
startup 62:17 62:21	stresses 27:14 27:19	I	tech 3:2 3:3 6:1 14:6	
63:3	strong 25:25	20:19 20:23 21:2	14:20 36:9 48:22	106:11
state 1:1 1:8 2:12	stronghold 17:20	21:4 21:6 22:5 22:22 23:20 24:10	48:23 104:8	thankful 102:23
2:14 2:16 6:9 7:13	18:21 23:3 23:6	25:15 25:21 26:14	technical 28:15	103:14
8:24 9:17 9:21	23:16 23:22 32:11	26:24 27:9 29:2	29:15 32:19 67:15	their 14:25 17:11
10:25 11:2 11:10	37:19 40:4 41:17	29:8 30:8 31:4 34:5		22:3 22:11 24:5
12:24 14:16 14:25		34:8 34:14 34:17	technician 73:9	24:6 29:19 41:20
16:24 16:25 19:5 26:3 26:8 27:10	structural 39:8	36:7 36:20 36:21	technology 103:7	69:14 72:22 73:7
28:10 28:19 28:19	struthers 85:18	40:1 40:3 40:14	tell 22:9	77:18 79:3 80:13
30:11 30:19 32:10	stuff 27:6	41:2 41:5 41:16	temp 86:3	82:17 89:17 96:13
33:20 39:9 39:15	style 98:15	41:19 42:20 44:7	temp 80.3	them 8:21 10:24
43:7 44:17 45:22	subcommittee 95:7	44:14 44:25 45:5	43:24 58:7	10:25 18:16 21:8
46:19 47:1 47:19	subject 19:24	15.17 16.6 16.13	temperatures 18:15	26:9 28:17 31:17
48:16 49:6 55:12	submission 11:2 29:4	47:21 47:23	tennessee 1:1 1:8	41:24 65:1 79:13
55:17 66:2 66:13	38:14 38:25	switch 52:2 52:4	1:24 2:12 2:14 2:16	70 15 01 10 07 17
66:23 68:10 83:16	submitted 11:9	52:21 65:6 79:11	4:3 6:9 6:13 10:5	99:18 104:13
84:14 87:19 89:20	11:10	switches 50:16 50:19		themselves 5:6 29:13
97:25 98:6 103:20	submitting 10:25	51:16 51:23 52:9	26:3 26:8 27:10	they 7:2 7:9 7:10
106:4 106:10 107:2	successfully 37:8	64:22	28:8 28:10 28:19	10:23 11:3 11:5
100.7 100.10 10/.2	sucker 32:22	01,22	20.0 20.10 20.19	

11:19 15:22 16:5	39:11 40:6 42:12	token 105:1 105:8	typed 89:22	unpaid 105:3
16:19 16:23 17:4	42:19 44:19 50:15	tooth 29:23	typical 20:5 33:11	unreasonable 38:16
20:8 21:8 21:10	56:18 59:20 60:14	top 45:3	typically 13:3 23:20	unsafe 41:25
21:10 21:12 21:15	60:17 62:4 62:22	topics 95:17	62:11 83:18	unscheduled 63:7
21:17 21:20 22:23	63:19 63:23 64:1	total 9:18 9:20 9:22	typo 61:11	until 11:19 37:9 52:4
23:17 23:22 23:25	64:6 78:13 80:5	10:3 75:12 76:20		78:5 102:18
24:2 24:6 26:6 26:8	81:25 91:4 98:20	76:20 100:8	U	up 13:25 14:13 14:15
26:10 26:23 27:6	100:3 104:22	traditions 106:9	ul 75:7 75:10 75:11	22:15 29:10 32:18
29:18 30:12 30:12	105:17	trained 77:13 81:17	75:13 75:17 75:21	40:8 46:19 49:11
32:21 33:11 34:17	thinking 80:8 80:15	88:8	75:23 76:4 76:13	49:16 57:12 61:1
34:21 40:4 40:6	80:17 103:23	trainers 96:25	76:21 82:12 82:24	62:12 65:9 66:6
40:7 40:8 41:10	thinned 43:19	training 48:23 77:11	ullage 34:18	68:21 68:22 72:11
42:3 43:7 44:4 45:7	third 15:23 21:7	77:12 77:17 77:19	uncertain 61:13	78:25 89:21 92:24
46:8 46:9 51:21	21:11 21:13 21:17	88:10 88:15 88:18	uncorrected 9:24	98:4 98:14 101:18
51:23 51:24 53:16	50:17	88:20 89:8 89:11	under 16:1 16:17	102:18 103:8
55:14 55:24 55:24	thoroughly 24:12	89:18 96:21 96:24	26:18 26:21 27:11	103:20 106:15
66:3 68:13 68:17	thought 31:25 61:13		33:14 33:15 37:2	upcoming 10:7 69:20
68:18 69:10 69:12	three 7:11 51:16	transcript 107:8	39:13 53:16 53:25	update 3:13 3:17 9:2
69:13 72:19 72:21	51:18 86:22 87:5	travel 4:18	54:1 54:19 57:23	10:18 77:18 90:9
72:23 74:16 75:8	87:12	tray 86:5	58:5 58:15 59:14	94:19 94:21
77:2 77:10 78:24	throats 63:11	treat 100:18	66:14 74:24 75:2	updated 13:5 13:14
78:24 79:2 79:10	through 10:2 12:19	treatment 67:18	76:11 86:25 87:20	73:3 73:14 75:20
79:10 79:11 79:12	18:13 30:13 30:18	trip 91:14 92:25	88:10 88:11 89:16	83:21
79:15 79:16 79:21	30:18 31:12 31:22	trips 65:5	89:16 90:16 90:17	updates 10:3 48:24
79:22 80:13 81:2	32:4 64:4 64:14	trouble 45:1	91:1	upon 14:17 25:9 32:3
81:4 81:20 84:15	64:18 78:5 86:4	true 107:7	understand 20:20	41:10 59:11 59:22
85:22 88:21 88:23	86:4 89:2 94:22		24:10 27:10 27:21	82:12 106:6
90:24 92:7 104:13	103:10 103:12	truly 59:21	29:7 29:7 30:9 31:1	upstream 86:1
104:19	throws 32:17	try 23:23 29:3	32:6 55:8 79:25	us 4:11 9:18 9:22
thicker 29:18	thursday 96:22 97:4	trying 16:21 20:7	79:25 80:1 103:16	11:5 26:15 26:25
thickness 17:24 18:5	tie 35:25 82:1	20.14 32.3 96.1	understanding 87:18	
18:6 18:20 18:22	tied 92:8	tube 28:23 72:10	undertolerance	71:12 81:13 94:19
23:24 24:13 29:18	time 4:7 11:7 11:22	74:21 74:22 74:23	29:17	101:25 102:15
31:22 37:20 40:17	13:1 15:16 16:19	74:25 tubes 29:13 29:18	underway 96:8	102:20 105:5
41:21 41:22 43:3	18:10 18:19 24:19		unfired 71:18	use 15:6 15:7 16:13
43:13 43:22 43:23	37:17 37:22 42:19	86:4	unfortunately 19:20	
thicknesses 17:24	47:24 49:13 50:14	tubesheets 28:25	46:9 102:15 104:24	
25:1 27:25 28:1	56:1 60:9 60:11	tuesday 96:14 96:17	unit 10:4 13:3 18:13	
43:4	63:14 63:17 63:22	turbine 92:17	28:14 28:16 29:22	64:25
thing 29:11 29:21	63:24 64:9 64:11	turned 79:11	30:18 35:4 44:2	user 2:2 2:8 12:16
30:8 32:14 38:23	105:5 105:21	twisted 58:17	44:3 69:8 82:25	12:18 26:2 27:16
73:21 77:9 92:8	times 30:23	two 35:23 48:17	84:15 92:22 107:12	
103:21	titles 73:7 77:5	51:18 51:19 54:15	united 15:24 17:3	users 12:25
things 19:6 25:18	titusville 14:21	59:10 71:20 72:9	units 62:12 64:16	using 27:22 53:23
31:5 52:6 52:11	tn 3:22	72:24 73:13 75:22	86:22 87:6 87:12	84:1 85:23 87:6
63:10 84:14 95:9	today 4:15 26:2 28:8	75:24 81:7 87:14	87:13	87:24
95:19 96:6 96:15	48:14 68:22 85:15	90.22 103.12	universities 104:7	usually 11:1
101:3 103:18	102:7	type 20:5 33:13	university 6:9	ut 17:24 31:22
think 20:4 23:12	together 22:3 29:3	50:19 50:20 74:15	unknowingly 29:13	utilize 48:20 55:22
25:24 26:14 32:8	87:17 92:19	74:18 74:25 77:3	unless 3:24 24:3	70:3 98:19
33:12 33:18 33:22	5 / 2 ./	96:1		10.5 70.17
			l	

utilizes 73:24	83:7 86:20 93:20	visual 17:21 23:17	weld 24:8 30:16	33:19 33:21 36:13
utilizing 98:12	94:6	24:7 24:7 37:20	63:11	47:18 47:19 48:20
	verbally 68:16 68:23		welding 21:14 23:18	48:23 51:11 52:4
V	verbiage 25:4 57:25	68:9	24:7	55:12 59:5 59:11
vacation 10:23	66:21	visually 24:1	welds 23:19 24:1	59:19 61:9 66:18
valero 3:4 6:4 6:6	verification 17:24	volumetric 23:18	24:3 45:12	66:19 70:4 70:15
12:23 48:2 48:8	21:25 38:8 43:12	24:3	wells 85:18	72:24 73:5 73:9
69:6	82:24	voluminous 38:15	wendy 72:6 74:16	73:10 73:11 73:23
valve 92:25 93:6	verifications 23:21	vote 94:10 94:11	went 31:12 31:22	77:18 77:21 77:22
vanderbilt 103:9	verified 23:12 32:1	94:12	32:4 38:1 45:1 89:1	80:25 82:1 84:25
variance 7:7 7:8 7:10	33:19 45:22	voting 8:7 35:21	89:1 103:6 103:10	89:15 89:24 93:2
7:11 7:14 9:25	verify 23:4 24:17	47:13 71:3 83:6	104:8	93:13 94:11 94:12
48:15 49:12 58:23	30:4 32:5 38:4	94:8	whatever 23:25	95:23 96:2 96:9
59:12 66:5 66:13	43:10 43:13 47:2		34:19	96:12 96:23 97:4
66:14 66:19 67:14	verifying 24:13 31:9	W	when 8:13 13:1	98:25 100:18
69:7 69:14 70:3	32:9	want 28:19 28:25	13:24 14:13 19:20	100:19 101:7
71:7 71:18 72:9	vertical 28:23	29:10 30:4 38:14	22:16 27:12 29:15	101:18 102:8
72:20 73:1 82:7	vessel 15:13 16:7	42:18 43:10 61:14	32:23 33:19 40:8	102:14 104:1
83:9 84:22 84:22	16:9 17:10 17:11	61:21 66:8 70:17	40:19 41:7 41:16	williamson 107:3
86:25 87:3 87:12	17:17 18:24 19:8	81:14 81:17 98:15	45:5 45:22 46:2	wish 38:19
87:21 88:24 90:6	23:1 23:9 23:24	98:18 100:1 102:13	52:16 52:17 55:22	within 4:12 11:1
90:7 93:23 94:14	24:18 25:2 25:24	103:18 105:9	62:11 64:3 64:25	25:10 62:23 75:21
various 104:7	26:3 26:4 26:6	wanted 17:4 27:20	79:21 83:13 84:5	91:15 107:7
ve 14:14 14:21 15:2	26:19 27:3 27:11	32:14 32:21 45:9	88:24 103:24	witness 107:20
18:18 22:15 22:19	27:18 28:3 28:7	45:13 103:21	whenever 11:18	witnessing 21:13
23:16 40:25 42:3	28:8 28:13 28:17	104:25	32:15 32:21	21:18
48:17 50:17 51:4	28:18 29:14 29:23	wanting 44:8 87:16	where 12:11 16:11	won 93:1
51:16 51:17 57:12	32:2 32:5 32:16	wasn 43:15	17:4 20:7 23:8	worchester 103:5
58:9 62:23 65:25	34:4 34:19 34:20	waste 85:16 85:22	23:16 39:7 41:20	word 25:6 25:13
66:4 67:1 71:12	35:2 36:11 36:23	85:24 88:16 90:22	44:11 55:8 56:9	worded 57:13
75:6 76:6 76:19	37:2 37:5 37:14	91:8 93:24	57:17 58:5 58:17	wording 59:19 60:18
78:10 78:11 79:2 79:10 79:10 79:11	37:21 37:23 38:20	water 51:21 53:11	59:20 62:20 65:11	60:19
	39:12 42:25 43:2	58:7 65:19 67:18	72:14 72:19 75:14	words 51:4 79:15
79:12 79:16 81:2 81:4 81:13 81:17	43:10 43:12 43:14	74:21 74:23 92:17	78:8 90:20 91:16	90:11
83:14 84:2 93:22	45:2 45:3 45:7 46:25 47:2 71:18	92:21 92:22 92:23	104:8 105:18	work 12:14 14:1
95:16 95:17 97:25	vessels 29:25 30:11	93:2 93:4 93:16	whereas 21:14 21:19	
98:13 98:17 98:21	31:10 31:14 31:21	waters 92:7	whereof 107:20	30:13 30:23 38:11
100:5 100:24	61:9 69:8	watson 68:8 68:20	whether 33:7 43:10	63:6 64:4 64:11
101:23 102:9	vested 106:6	way 11:17 11:17 12:1		80:25 101:23 104:11
104:19 105:2	vested 100.0 vi 3:15 14:4	40:9 51:11 80:24 86:9 107:17	who 14:3 38:11	workday 96:13
105:16 105:17	vicinity 91:15 91:16	website 13:5 13:6	52:16 68:4 88:8 whoever 28:11	worked 99:24 104:4
105:21 105:21	vii 3:16	13:14 13:17 89:20		workforce 1:1 3:21
verbal 5:2 7:17 7:25	viii 3:18 15:15 37:3	95:24 97:21	why 23:2 27:21 44:25 45:10 59:18	107:11
8:5 8:8 10:15 13:22	43:21	wednesday 3:20	62:4 80:9 98:11	working 52:11 69:24
34:25 35:6 35:16	violating 43:15	96:18	100:20	workplace 107:12
35:22 36:18 42:17	violating 43.13 violations 9:23 9:24	week 88:17 89:8	will 4:11 8:12 8:22	works 20:25 69:16
47:11 47:14 50:5	virtue 106:5	104:9	11:9 12:24 13:4	worst 41:14
65:23 69:3 70:21	visit 83:13 93:25	welcome 6:25 50:8	13:6 13:14 14:9	worth 4:7 81:8
71:1 71:4 71:24	visit 63.13 / 3.23 visitors 4:8	84:19 85:13	23:5 28:15 29:22	worth 4.7 81.8 wouldn 11:14 46:15
74:20 82:4 83:4	TABLUTS T.U	0.117 00.110		**************************************

wow 101:12 101:17	11 3:6 3:15 7:6 48:4	2016 1:10 3:20 10:2	7	
write 4:20	48:17 62:24 64:8	11:24 73:17 73:20		
writing 67:8 67:9	65:15 69:25 84:20	105:13 107:13	71 3:5	
written 81:22	102:18	107:21	752 9:18	
written 61.22	110 66:15	2017 12:2	780 75:10 75:15	
<u> X</u>	12 29:17 59:16 59:23		76:14 76:15 76:16	
xi 102:6			780e 73:24	
XI 102.0	90:9 105:11 122 66:15	203 43:19	8	
Y	13 71:11 102:20	21 3:20 25:2 26:21		
yeah 21:2 25:21		73:17	800 66:25	
34:22 42:8 45:15	14 3:2 10:5	22 66:25 71:20 82:7	84 3:6	
45:17 51:11 56:21	15 1:10 3:13 9:1	220 3:21	8th 107:21	
57:1 57:17 61:3	10:18 26:5 102:19	221 1:25	9	
75:8 77:20 87:10	107:25	234 1:24		
88:3 92:13 92:18	150 95:12 96:4 97:14		90 11:1	
92:23 93:14 99:18	98:20 98:25 99:2	24 58:25 59:23 62:9	900 1:24	
100:5 102:1	101:10	62:19 64:20 70:15	9041 44:11	
year 11:20 25:2	15th 105:13 107:13	70:17	95 46:10	
59:10 70:4	16 3:2 3:3 3:4 3:5 3:6	l .	98 42:5 42:9 42:22	
years 16:12 22:11	3:15 3:15 3:15 3:15	28 9:23		
26:21 37:9 75:22	3:15 7:6 14:5 36:9	3		
75:24 76:7 102:18	48:2 71:17 84:20			
102:20 104:5 104:9	102:19	30 71:12 71:14		
105:11	1000 00.2	300 98:19		
	16250 73:16	31 104:9		
yeas 35:24	16261 73:19	36 3:3		
yellow 80:24	17 9:24	37069 1:24		
young 104:12 104:12	18 58:25 59:17 59:23	371 1:22 107:24		
yourselves 71:22	60:7 62:9 62:19			
0	1973 103:6	4		
00 3:20	1974 103:7 104:5	40 88:18		
	1976 104:5	4000 73:24 75:6		
03 3:14 3:14 9:2 9:2	1978 103:9	75:15 76:3 76:13		
10:19 10:19 66:25	1987 85:19	76:20 82:25		
66:25 71:20 71:20	1995 15:16 26:19	402 9:19		
04 66:25 71:20	27:8 27:22 27:24	447 9:22		
07 3:2 3:15 14:5	38:8 38:9 42:21	48 3:4		
08 3:3 3:15 36:9	46:2	5		
0800 3:14 9:2 10:19	1998 27:11 27:12			
71:20	19th 94:22	510 55:15		
09 3:4 3:15 48:2		580 54:7 54:13		
098 9:22	2	581 54:13		
1	20 3:13 9:1 10:18			
	67:5 87:3 87:16	6		
10 3:5 3:15 48:4	87:25	60 61:1 61:10		
48:17 62:23 64:6	2001 104:3	600 31:15 31:16		
69:24 71:12 71:14 71:17 77:25	2002 102:18	615 1:25		
1 / 1 * 1 / / / / 7				İ
	2012 102:16 102:18	650 9:17		
100 67:2 72:16	2012 102:16 102:18 2014 57:11	650 9:17 651 9:21		
100 67:2 72:16 105 43:20 43:22				
100 67:2 72:16	2014 57:11	651 9:21		