

UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF OHIO
WESTERN DIVISION

UNITED STATES OF AMERICA,) Docket No. 3:06CR712
Plaintiffs,) Toledo, Ohio
v.) October 12, 2007
DAVID GEISEN, ET AL.) Jury Trial
Defendants.)

TRANSCRIPT OF JURY TRIAL VOLUME 9 OF 15
BEFORE THE HONORABLE DAVID A. KATZ
UNITED STATES DISTRICT JUDGE

APPEARANCES:

For the Plaintiffs: Office of the U.S. Attorney-Cleveland
By: Christian Stickman
Suite 400
801 Superior Avenue, W
Cleveland, Ohio 44113
(216) 622-3818

U.S. Department of Justice
Richard A. Poole
Thomas T. Ballantine
3rd Floor
1400 New York Avenue, NW
Washington D.C. 20005
(202) 514-0838

For the Defendants:

On behalf of David Geisen:

Miller & Chevalier
By: Andrew T. Wise
Richard A. Hibey
Suite 900
655 Fifteenth Street, NW
Washington, DC 20005

1 (202) 626-5818

2 On behalf of Rodney Cook:

3 Gordon & Ermer
4 By: Denis F. Gordon
5 John F. Conroy
6 Suite 640
7 1828 L Street, N.W.
8 Washington, DC 20036
9 (202) 833-3400

10
11 Court Reporter: Angela D. Nixon, RPR, CRR
12 1716 Spielbusch Avenue
13 Toledo, Ohio 43624
14 (419) 260-5259

15
16 Proceedings recorded by mechanical stenography, transcript
17 produced by notereading.
18
19
20
21
22
23
24
25

1 (Afternoon session of jury trial.)

2 CROSS EXAMINATION

3 BY MR. HIBEY:

4 Q. Is that the first time you've seen that film?

5 A. That's the first time I've seen that film, yes.

6 Q. You were not shown that film during your
7 preparation for this testimony?

8 A. No, I was not.

9 Q. Would you agree that the film reflected the
10 existence of a steam cut in the D-10 flange?

11 A. I saw a lot of grooves. I saw a number, what
12 looked like, scratches. I was never involved during any of
13 the inspections that I did in the actual evaluations of
14 steam cuts, so, yeah, they could be steam cuts, yes.

15 MR. HIBEY: No further questions.

16 THE COURT: Thank you. Anything, Mr. Gordon or
17 Mr. Conroy?

18 MR. GORDON: No question, your Honor.

19 REDIRECT EXAMINATION

20 BY MR. BALLANTINE:

21 Q. Mr. Chimahusky, did you have experience with
22 steam cuts in the past on D-10 flanges?

23 A. Through some of the inspections that were done in
24 follow-up by the inventor, their evaluations, they were
25 identified that the flanges had been steam cut. They would

1 perform an evaluation, generally the review of the
2 evaluations were by some design engineering group. I was
3 never involved with any of the steam cut evaluations.

4 Q. Would one of these gaskets seal up a flange even
5 though it had a steam cut?

6 A. It's possible if the steam cut wasn't all the way
7 across the surface of the groove or the stainless
8 steel sits --

9 Q. How do you know whether a flange is a leaker or
10 not?

11 A. I'm not sure I understand the question.

12 Q. Well, I mean, can you tell whether a flange is
13 leaking unless it's under pressure or it's been under
14 pressure?

15 A. If it's just sitting there, no, you can't tell
16 whether it's leaking or not.

17 Q. What's the evidence of leakage?

18 A. The evidence of leakage is the boric acid.

19 Q. So you saw the D-10 flange in 2000?

20 A. That is correct.

21 Q. And was it leaking?

22 A. Did not appear to be leaking, no.

23 Q. If it had been leaking, there would have been
24 some evidence of leakage?

25 A. Yes.

1 Q. Thank you. No further questions.

2 BY MR. HIBEY:

3 Q. When you saw the D-10 flange in 2000, it was
4 with -- there was no pressure; is that correct?

5 A. That is correct.

6 Q. So there was no pressure that would have caused
7 the steam flange to behave in the way you testified earlier
8 steam flanges can behave; is that correct?

9 A. You wouldn't have seen the physical boron coming
10 out because the plant's not under pressure. What you would
11 see is the boric acid that collects as a result of the
12 leakage.

13 Q. And that boric acid could be sprayed over an
14 area; isn't that correct?

15 A. Yes, it could.

16 Q. Thank you.

17 MR. BALLANTINE: One further question.

18 REDIRECT EXAMINATION

19 BY MR. BALLANTINE:

20 Q. If boric acid is sprayed out from between the
21 flange interface, will there be evidence of it at the
22 flange interface?

23 A. There may be. You'd also see evidence on the
24 flange that was directly opposite where it was spraying
25 out.

1 Q. Thank you.

2 THE COURT: Thank you. You may step down.

3 MR. POOLE: Your Honor, the government's next
4 witness will be Mr. McLaughlin.

5 MARK MCLAUGHLIN,
6 was herein, called as if upon examination, was first duly
7 sworn, as hereinafter certified, and said as follows:

8 MR. STICKAN: May it please The Court?

9 THE COURT: Please.

10 DIRECT EXAMINATION

11 BY MR. STICKAN:

12 Q. Thank you. Please state your full name and spell
13 your last name for the record.

14 A. My name is Mark Alan McLaughlin. My last name is
15 spelled M-C-L-A-U-G-H-L-I-N.

16 MR. STICKAN: Okay. May I approach the witness,
17 Your Honor?

18 THE COURT: Of course.

19 BY MR. STICKAN:

20 Q. Mr. McLaughlin, directing your attention to the
21 year 2001, were you an employee at Davis-Besse at that
22 point in time?

23 A. Yes, I was.

24 Q. All right. I'd like to draw your attention to
25 Exhibit 130. Do you have that in front of you?

1 A. Yes.

2 MR. STICKAN: And Your Honor, I believe this
3 exhibit is in evidence.

4 THE COURT: You are correct.

5 BY MR. STICKAN:

6 Q. I would like to display the document. Okay. Do
7 you see 130 displayed on the screen in front of you? I
8 want to try to line this up so it can be read easily.

9 A. Okay. The bottom of it is displayed on the
10 screen.

11 Q. First of all, I guess I'll start at the top.

12 A. Okay.

13 Q. Okay. All right. This was an e-mail that
14 initially you received from R.A. Mattson; is that correct?

15 A. That's correct.

16 Q. Okay. And the bottom -- the e-mail message you
17 got from Mr. Mattson. And Mattson was -- can you tell us
18 who R.A. Mattson is?

19 A. Mr. Mattson was the person we were working with
20 in -- from Structural Integrity Associates. We had
21 contracted them because other people in the industry had
22 contacted them to do a gap analysis for the nozzle-to-head
23 gap. And the reason we did that is you had to show the
24 gaps would open around the reactor vessel head nozzles so
25 you could actually perform an inspection of the seepage, so

1 we used Structural Integrity Associates.

2 Q. Okay. And first of all, the information you
3 received from Mr. Mattson -- and I'm directing your
4 attention to, I guess, the second calculation that they're
5 referring to. Do you see that?

6 A. Yeah. You mean the second line there?

7 Q. Right, on this second hash mark.

8 A. Okay.

9 Q. All right. It indicates that the latter one is
10 for the refined gap analysis where we show all gaps will
11 open; is that correct?

12 A. Correct.

13 Q. All right. And when you received that
14 information, you e-mailed -- you forwarded that via e-mail;
15 is that correct?

16 A. That's correct.

17 Q. Okay. Now, the top half of this e-mail indicates
18 that you e-mailed David Lockwood and Mr. Geisen; is that
19 correct?

20 A. That's correct.

21 Q. All right. And could you read the message that
22 you sent to them? This was on November 15th, 2001?

23 A. Correct.

24 Q. Okay. Could you read the message that you
25 forwarded to them?

1 A. Okay. It says note that the new gap analysis
2 shows all nozzles will show a gap. Is this new information
3 to send to the NRC an excuse to introduce our evaluation of
4 the industry findings.

5 Q. Okay.

6 A. We had the original calculation. We had sent the
7 results to the NRC, and that showed that there were four
8 nozzles that did not have a gap, and we asked that the
9 Structural Integrity Associates to go back and see if they
10 could remove some conservative advertisement and show that
11 all nozzles had a gap.

12 Q. All right. And did you -- when you received this
13 information, in addition to e-mailing Mr. Geisen, did you
14 have any conversation with him about it?

15 A. I believe that Mr. Lockwood and Dave and I talked
16 about this and whether we should revise some of the
17 information we had provided to the NRC in the past. We --
18 what we talked about was the -- the information we had
19 provided in our probabilistic risk assessment used the fact
20 that there were four nozzles that would not open up, and
21 they were at the top of the head. We felt that if we
22 introduced this new calculation, that we would actually be
23 making the case for Davis-Besse site better, so it would be
24 a less conservative piece of information.

25 Q. Okay. So what -- was there a decision to do

1 something then?

2 A. We decided not to provide this to the NRC at that
3 time.

4 Q. Okay. Do you know whether this information was
5 ever provided to the NRC as part of the submission process?

6 A. I don't know, I don't remember.

7 MR. STICKAN: Okay. One minute, Your Honor.

8 Thank you, Your Honor, no further questions.

9 THE COURT: Mr. Wise, cross?

10 MR. WISE: Thank you, Your Honor.

11 CROSS EXAMINATION

12 BY MR. WISE:

13 Q. Mr. McLaughlin, good morning.

14 A. Good morning.

15 Q. Let me make sure we're clear on one thing. The
16 e-mail on the 15th that you just reviewed with Mr. Stickan,
17 your understanding was that if that information were
18 submitted to the NRC, it would have made FENOC's case
19 better than had been presented, correct?

20 A. That's correct.

21 Q. And the decision not to send it, as far as you
22 understand, was made because even though it made the
23 argument better, it was on an issue that was really no
24 longer on the radar screen of what the conversations were
25 centering about, right?

1 A. That's correct.

2 MR. STICKAN: Objection.

3 THE COURT: Overruled.

4 MR. WISE: Your Honor, I'm done with
5 Mr. McLaughlin on this topic, but I guess I would ask if we
6 could approach for a second on a scheduling related issue
7 before we release him.

8 THE COURT: Of course.

9 (A side bar conference was had off the
10 record.)

11 THE COURT: Ladies and gentlemen, I do not wish
12 to break up early the examination of the next witness, and
13 therefore, we'll take our morning break now. Please
14 remember my previous admonitions to you. Do not discuss
15 this case among yourselves nor with anyone else or permit
16 anyone else to discuss it with you. Do not read, listen to
17 or watch anything touching on this case in any way, and do
18 not make up your minds on the ultimate issues which will be
19 yours to decide at the end of the case. We may be a few
20 minutes longer because I have a matter which has come to my
21 attention. So relax, but we'll plan for about 10:00 or a
22 few minutes thereafter, but you'll understand if we go over
23 that time. Thank you.

24 (The jury was dismissed for a recess.)

25 THE COURT: Mr. McLaughlin, you're excused for

1 the present and you remain under subpoena and subject to
2 recall.

3 THE WITNESS: Does that mean today or some other
4 time?

5 THE COURT: All right. You may step down. Thank
6 you.

7 MR. WISE: Judge, before we address the next
8 issue, may I have one minute to explain to Mr. McLaughlin's
9 counsel what's going on?

10 THE COURT: Mr. Wise?

11 MR. WISE: Thank you, Your Honor. Our issue is
12 this, the government has said that their next witness is
13 Mr. Ulie. My understanding that as to Mr. Geisen, and I
14 believe as to Mr. Cook as well, Mr. Ulie's going to testify
15 and summarize the statements made by those two gentlemen to
16 the Office of Investigations during their transcribed
17 interviews back in 2002. For -- for us, this really is a
18 problem that arises out of the fact that my -- my client's
19 statement is about 185 pages. It was a five-hour
20 interview, and it was -- to be fair, it was not a precise
21 type of conversation. It was a conversation where multiple
22 topics were spoken about on multiple occasions. And so
23 there is -- it is not the type of transcript where you look
24 at it and say, okay, on page 40 he addressed this issue.
25 He actually addresses it when it's on 32, they come back to

1 it on 78. He talks about it again on 110. He puts context
2 to it in 150.

3 My problem is this, if the government is allowed
4 to proceed in this fashion by presenting a summary, in
5 order to make a meaningful cross examination of that
6 summary, and I expect there are going to be all kinds of
7 issues about rule of completeness and putting statements in
8 context, I'm going to need time to figure out where in the
9 transcript those other portions are. And I don't obviously
10 want to stand here at the podium and try to figure it out
11 on the fly during cross.

12 THE COURT: I don't think that's a problem. If I
13 understand the rest of the day -- and I'm not being, of
14 course -- trying to preordain the rest of the day. The
15 government will be between an hour and an hour and a half
16 on direct. Let's assume that. Let's assume that the
17 government is done before 11:30. All right. Because we'll
18 take a few minutes so that you folks can have some time.

19 My sense would be to -- because we're going to
20 finish early today, that the following would occur, you
21 could begin cross examination on those things with which
22 you are comfortable, and break around noon for two hours or
23 an hour-and-a-half or the time you need. And then we will
24 resume. Would that be sufficient?

25 MR. WISE: I think it gets close -- I guess what

1 I would ask is assuming that the government finishes even
2 as early as 11, I guess The Court would take the unusual
3 step of breaking at that point to give me time -- I don't
4 want to start with some areas --

5 THE COURT: That's all right. And how long would
6 you want to break? 1:30?

7 MR. WISE: I think I may need as much as three
8 hours.

9 THE COURT: Oh, no, if you read as fast as you
10 speak.

11 MR. WISE: I don't. I can put Angela on the
12 stand to testify to that.

13 MR. GORDON: We've got this problem times two.
14 We've got the same problem. Our interview is almost as
15 long as Mr. Geisen's. Our interview is four hours and
16 about 160 transcript pages and they're going to do the same
17 thing to us.

18 MR. HIBEY: Your Honor, would you entertain a
19 comment by myself about this?

20 THE COURT: Do we need to be on the record for
21 this? You can have it.

22 MR. HIBEY: I don't know that this is proper use
23 of a summary witness. If I understand correctly, a summary
24 witness, and one of the reasons why they had him planted
25 here was because if they wanted to use him as a summary

1 witness, he could come in and he could testify to what was
2 going on here in the courtroom. This is different. You
3 have a record. And he -- the record is the best evidence
4 of what Mr. Geisen and Mr. Cook said on the occasion of an
5 interview conducted by, in our case, the Office of
6 Investigation, where there were four agents asking
7 questions. Now, it seems to me that, together with what
8 Mr. Wise described, was a scatter shot type of interview
9 process. The whole business of trying to summarize that is
10 distorted and unfair in the face of the fact that you've
11 got the record. And now --

12 THE COURT: Let me interrupt you, if I may. You
13 have made the case for summary witness because of the
14 scatter shot methodology used as, quote, you and Mr. Wise,
15 and Mr. Gordon. It would be a tremendous burden on the
16 jury if it weren't, otherwise then by summary subject to
17 cross examination on particulars as needed by and perceived
18 by the defense to be brought out through this witness.

19 MR. HIBEY: May I respond? If I record that kind
20 of clarity to it, maybe. Let me suggest this, if we were
21 in civil practice before The Court, and the statements of
22 the parties were to be offered, there would be a
23 designation of the record in advance with a counter
24 designation. And The Court would then allow the admissible
25 evidence contained in those designations to be put forward

1 to the jury. That is, shall we say, an ordinary approach.
2 We should not have to be penalized by the fact that there
3 was a gang of questioners as opposed to a single questioner
4 in these transcripts. The condition of these transcripts
5 should not -- should not fall on us to cure. And we
6 shouldn't allow the use of a summary to somehow convey
7 accurately the statements that were made during the
8 testimony. So I would respectfully suggest that a summary
9 is not the best way to proceed here.

10 MR. CONROY: Your Honor, I'm sorry, I don't mean
11 to --

12 THE COURT: I want to hear from Mr. Poole.

13 MR. POOLE: Your Honor, it's unclear to me which
14 rules of evidence counsel is alluding to. If it's the
15 hearsay rule, it's permitted. If it's the summary rule, it
16 is permitted. And we submit that it would be much more
17 helpful to the jury than reading the portions of the
18 transcript. I'm sure counsel is familiar with impeachment,
19 and we submit that if they think summary is inaccurate,
20 that's the appropriate remedy.

21 MR. GORDON: Your Honor, they're trying to use
22 summaries to constitute declarations against interest.
23 Declaration against interest to be admissible has got to be
24 the statement of the declarant, not an auditor's summary of
25 what he said as series of evidence, a problem's presented

1 by the way they're trying to proceed here.

2 MR. HIBEY: Your Honor, if the summary is, in
3 fact, the summary of the transcript, then the transcript is
4 the best evidence. And therefore, the summary is
5 inappropriate.

6 THE COURT: Excuse me just a minute. Do you want
7 these two transcripts to be presented to the jury in total?
8 Is that what you are urging on me? I don't think you are.

9 MR. HIBEY: Well --

10 THE COURT: And therefore, since you've had these
11 transcripts for months, and certainly have -- have digested
12 them, fractionalized them and put them back together,
13 unless I am shown a prohibition, I believe it is for the
14 benefit of the jury to have this done in summary form
15 subject to extensive cross examination of the witness,
16 period.

17 Now, tell me what the rule is that would militate
18 against it and why we would burden this jury with a reading
19 of the entire two transcripts, if that's what you want. I
20 didn't think so. Let's take a ten-minute break.

21 (A brief recess was taken.)

22 (Jury entered the courtroom.)

23 MR. POOLE: Your Honor, the government at this
24 time would announce that we're calling our last witness,
25 special agent Joe Ulie.

1 JOE ULIE,
2 was herein, called as if upon examination, was first duly
3 sworn, as hereinafter certified, and said as follows:

4 DIRECT EXAMINATION

5 BY MR. POOLE:

6 Q. Would you state your full name and spell it for
7 the record, sir?

8 A. Joseph Martin Ulie, last name spelled, U-L-I-E.

9 Q. Mr. Ulie, where do you work?

10 A. The United States Nuclear Regulatory Commission.

11 Q. And what's your title?

12 A. Senior special agent.

13 Q. Mr. Ulie, you've been sitting in the courtroom
14 throughout this trial. Tell the jury a little bit about
15 yourself. What do you do for a living?

16 A. I've worked for the NRC for about 25 years now.
17 The last approximately 15 years. I've been with the Office
18 of Investigations. That's the criminal unit within the
19 agency investigating deliberate wrongdoing against NRC
20 requirements when a licensee or contractor violates a
21 requirement, NRC requirement.

22 For the first ten or so years, I was a member of
23 the NRC technical staff. I specialized in the area of fire
24 protection. I've got five college degrees. I have a
25 Master degree in criminal justice. I have a Bachelor's and

1 one associate degree in fire protection. That was my area
2 of expertise. And then I have two real estate business
3 type associate degrees.

4 Q. All right. In connection with your duties, did
5 you conduct interviews of Rod Cook and Dave Geisen?

6 A. Yes, sir, I did. And let me just add two more
7 points. With respect to when I joined the NRC, I went
8 through the NRC's technical training center. I got
9 certified as a certified reactor inspector. And then when
10 I joined the NRC's Office of Investigations, I was sent to
11 the Federal Law Enforcement Training Center and completed
12 the criminal investigator school program there. So I just
13 wanted to put that on the record.

14 Q. All right. Thank you. Let's start with the
15 interview of Rod Cook. Can you tell the jury when and
16 where that interview occurred?

17 A. It occurred in Tennessee near his home at a local
18 hotel. He was represented by an attorney, and the
19 interview lasted -- it was recorded, which ended up with a
20 transcript. It lasted approximately four hours, just over
21 four hours.

22 Q. Do you recall the date?

23 A. I believe it was October 4th, 2002.

24 Q. All right. Did Mr. Cook tell you about his
25 education and background?

1 A. He did.

2 Q. What did he tell you?

3 A. He detailed that he had graduated with a nuclear
4 engineering degree in 1973 from the University of
5 Tennessee. Immediately afterwards, he gained employment in
6 the nuclear industry where he worked continuously for --
7 with about 12 different utility companies and one nuclear
8 consulting company. He worked actually at about
9 approximately 15 nuclear plants between 1973 and 2001 time
10 frame. He had taken some specialized nuclear training. He
11 was a degreed engineer, and -- but he did not get any
12 license, reactor operator license or senior reactor
13 operators license, but he did have specialized nuclear
14 training.

15 Q. All right. In the course of your interview, did
16 you ask him about a number of the documents that had been
17 presented in evidence here?

18 A. Yes, sir, we did.

19 Q. And did you talk to him about the inspections
20 that had been done prior to bulletin 2001-01?

21 A. Could you repeat that question?

22 Q. Did you talk to him about the inspections, the
23 reactor vessel head at Davis-Besse that were done prior to
24 the bulletin?

25 A. Yes, sir, we did. One point.

1 Q. Specifically, did you talk to him about the '98
2 inspection?

3 A. Yes, sir, we did. He said that he had had
4 conversations with another Davis-Besse employee. Can I
5 identify him?

6 Q. Go ahead.

7 A. Prasoon Goyal. He said that he had been told by
8 Prasoon Goyal that -- he had spoken with Prasoon, had told
9 him that he had difficulty inspecting the head, and that he
10 said there was a lot of boron on top of the head, and that
11 they had difficulty getting to the top because of limited
12 access. And then also he said that they weren't able to
13 clean the head for the same -- same reason, I guess, of the
14 location and the opening size of the weep holes.

15 Q. All right. I'm going to show you Government's
16 Exhibit 150, which I believe is not in evidence. And I
17 hope somebody will correct me if I'm wrong about that.

18 But --

19 THE COURT: 150?

20 MR. POOLE: 150, 150.

21 THE COURT: It is in evidence.

22 MR. POOLE: It is in evidence.

23 THE COURT: I have it. Do you as well?

24 COURTOOM DEPUTY: Yes, sir.

25 THE COURT: It is in evidence as of the 10th.

1 MR. POOLE: Thank you, Your Honor. All right.

2 In that case, we request to exhibit it to the jury.

3 THE COURT: All right.

4 BY MR. POOLE:

5 Q. All right. Agent Ulie, do you see the document
6 that's displayed on the screen?

7 A. Yes, sir.

8 Q. Is that Government's Exhibit 150?

9 A. Yes, sir.

10 Q. An e-mail from Frank Kennedy to Rod Cook?

11 A. That's the forwarded e-mail. There's an original
12 e-mail, it looks like it's from the W. Gray, William Gray
13 to -- to Prasoon Goyal, that occurred first.

14 Q. All right. And Prasoon Goyal to Frank Kennedy
15 and others?

16 A. Correct, and then Frank Kennedy forwarded it to
17 Defendant Cook on August 8th, 2001 at approximately
18 3:28 p.m. in the afternoon.

19 Q. And was that approximately the time that the
20 people at Davis-Besse began their preparations to respond
21 to the bulletin?

22 A. I think they actually began preparing several
23 weeks in advance. During the investigation, we actually
24 were told that as early as April, April to June of 2001,
25 that there was rumor mill throughout the nuclear industry

1 that the NRC was considering issuing a bulletin. But
2 Mr. Cook -- or Defendant Cook did tell us that the
3 significance of August 8th was when he was told that he
4 would be assigned as the coordinator to respond to the
5 bulletin responses.

6 Q. Okay. So he told you that was his first day of
7 involvement?

8 A. Yes, sir.

9 Q. And this e-mail from Praseon Goyal says it
10 appears that NRC is looking for plant specific info. This
11 would create a difficult situation for us when they review
12 our past inspection results. Did you ask -- well, did
13 Mr. Cook acknowledge receiving this e-mail?

14 A. My recollection is that he said that he must have
15 gotten it on August 8th but that he didn't remember if, in
16 fact, he had seen it at the time.

17 Q. All right. Let's move to Government's Exhibit
18 35, which we believe to be an exhibit in evidence. And I'd
19 like to display it to the jury.

20 MR. POOLE: Your Honor, I guess the jury's got
21 that exhibit.

22 THE COURT: Yes, any -- any exhibit which has
23 previously been admitted may be viewed by the jury.

24 MR. POOLE: Thank you, Your Honor.

25 BY MR. POOLE:

1 Q. So this is -- this is an e-mail from Frank
2 Kennedy to Rodney Cook that says SYME response to NRC
3 bulletin, abbreviating a little here. Forwards an e-mail
4 from Andrew Siemaszko. The text says attached please find
5 the subject response. This version incorporates comments
6 from J. Cummings and P. Goyal. Thanks.

7 Do you recognize that as an e-mail that you
8 discussed with Mr. -- Mr. Cook?

9 A. Yes, sir, I do.

10 Q. Did he acknowledge receiving it?

11 A. Yes, sir.

12 THE COURT: Mr. Poole?

13 THE WITNESS: Mr. Poole, I was just wondering --
14 asked The Judge if I could pull up my notes and
15 periodically refer to them if necessary. He said I should
16 speak with you.

17 MR. POOLE: Hearing no objection from The Court.

18 THE COURT: The witness may only use them to
19 refresh his recollection and may not read from the notes as
20 testimony. Thank you.

21 BY MR. POOLE:

22 Q. All right. On the next page of this exhibit, I'm
23 going to highlight the paragraph entitled 1996 -- well,
24 first of all, I'll have to show it to the jury. And then
25 I'll enlarge the 1998 inspection paragraph. Did you -- did

1 you discuss that passage with Mr. Cook?

2 A. Yes, we did.

3 MR. CONROY: Your -- I'm sorry.

4 THE COURT: He's reading from the screen. I'll
5 let you know, Mr. Conroy, and gentlemen, defense, if he is
6 reading from his notes, which -- and I would appreciate it
7 if, Mr. Ulie, when you do refer to your notes, merely say,
8 I will refer to my notes. May I refer to my notes for
9 purpose of refreshing my recollection?

10 MR. POOLE: Yes, Your Honor, we went over that in
11 advance.

12 BY MR. POOLE:

13 Q. Do you recall discussing this paragraph with
14 Mr. Cook?

15 A. Yes, we did and --

16 Q. Which part specifically?

17 A. Specifically the sentence that reads the head was
18 cleaned by the -- I'm sorry.

19 The second sentence from the bottom of the
20 paragraph, the head cleaning was limited by the location
21 and opening size of the weep holes. That sentence appears
22 both in the 1998 inspection result section and also in the
23 2000 inspection result section.

24 Q. Okay. We'll show them the -- that language, but
25 just to jump ahead a little bit. Was there a later draft

1 that did not include that language?

2 A. Yes, sir, there was, August 22nd, 2001.

3 Q. All right. Displaying the following page to the
4 jury and enlarging the text, do you see that same language
5 in this paragraph?

6 A. Yes, sir. I believe it's the third sentence from
7 the bottom.

8 Q. The head cleaning was limited by the location and
9 opening size of the weep holes?

10 A. That's correct.

11 Q. Now, when you asked him this question, why did
12 you focus on that?

13 A. Because of the section in the 1D of the bulletin
14 that had asked for any limitations or impediments that that
15 information be provided to the NRC.

16 Q. All right. The next exhibit we'll refer to is
17 Exhibit 44, we believe to be in evidence. Displaying page
18 1 for the jury. Enlarging it, is that an e-mail from
19 Rodney Cook to Mark McLaughlin, Prasoon Goyal and others --

20 A. Yes, it is.

21 Q. -- relating to 2731?

22 A. Yes, sir.

23 Q. And does attach draft language?

24 A. Yes, sir, it does. It identifies that it's a new
25 draft and to replace the previous copies with the current

1 one.

2 Q. Okay. Now I'm displaying page 2 of 17. I'm
3 going to enlarge the paragraph about the April 1998
4 inspection results. This goes over onto the next page, but
5 do you see that sentence here about head cleaning was
6 limited by the location and opening size of the weep holes?

7 A. Not here I do not, no, sir. I believe it was
8 removed right on the -- right at the last complete sentence
9 on that page.

10 Q. All right. So you're saying that you believe it
11 was previously, just before the language about the head was
12 cleaned?

13 A. I believe so.

14 Q. All right. I'm going to navigate to the next
15 page. And we'll see if we find that language about the
16 impediment on the next page. All right. This is page 3 of
17 17. I'm going to highlight for the -- rather, enlarge for
18 the jury the remainder of the portion about '98 and all of
19 the portion about 2000.

20 A. Okay. It was either at that or the very end of
21 the next sentence where that earlier sentence was removed.

22 Q. So look through and tell the jury, is the
23 language about the head cleaning was limited by the
24 location and opening size of the weep holes -- is that
25 anywhere in here now?

1 A. No, sir, it's been removed from both the 1998 and
2 the 2000 inspection results sections.

3 Q. Did you ask Rod Cook how the language came to be
4 removed?

5 A. Yes, sir.

6 Q. What did he tell you?

7 A. He responded that he doesn't take any -- he
8 didn't take anything out unless he was asked to take out,
9 but he couldn't recall who had told him to request that he
10 take this out. There was no further information that he
11 could provide us at the time.

12 Q. Okay. All right. Let's talk about -- I should
13 be handing these to you. Let's talk about Government's
14 Exhibit Number 57, which I'll hand up to you now.

15 MR. POOLE: Your Honor, that's an e-mail that's
16 in evidence, and I'll display it for the jury.

17 THE COURT: Yes.

18 BY MR. POOLE:

19 Q. Mr. Ulie, is that an e-mail from Prasoon Goyal to
20 Andrew Siemaszko, Mark McLaughlin, Defendant Cook and
21 others?

22 A. That's correct, it was CC'd to Defendant Cook and
23 Miller.

24 Q. Subject, head inspection?

25 A. Yes, that's correct.

1 Q. Would you read the highlighted language on this
2 screen to the jurors?

3 A. Sure. We do not say anywhere in our response to
4 the bulletin that inspection through the mouse holes
5 creates an impediment for 100 percent visual examination,
6 in parentheses, management needs to know this.

7 Q. Now, the jury has heard that that bulletin
8 response, 2731, went in on September 4th. What's the date
9 of this e-mail?

10 A. August 30th.

11 Q. Did you ask Mr. Cook any questions about this
12 e-mail?

13 A. Yes, sir, we did.

14 Q. What did he tell you?

15 A. My recollection is that he looked at it from a
16 standpoint of it's a technique issue. He said he had
17 discussed this with Prasoon Goyal. By the way, Prasoon
18 Goyal was the senior engineer who was a member of the
19 materials committee for the plant. He represented the
20 plant on the owners group, on the technical committee, what
21 they called materials committee. And Defendant Cook said
22 that he was able to convince Mr. Goyal that it was a
23 technique problem and not an impediment or a design
24 problem. And we talked a little bit further, and Defendant
25 Cook said that it was also forward looking.

1 Q. So by that, was he referring to the language that
2 ultimately went out in the bulletin response?

3 A. That's correct. And he was referring to -- I
4 mean, we were talking to section 1D, which confused us.
5 Section 1D specifically pointed out that they were talking
6 about the past inspections.

7 Q. Past inspections?

8 A. Past inspections.

9 Q. And just a minute ago you -- we were looking at
10 an e-mail that said it appears that NRC is looking for
11 plant specific info. This would create a difficult
12 situation for us when they review our past inspection
13 results. And this was an e-mail to Mr. Cook, wasn't it?

14 A. Yes, sir.

15 Q. Did you talk to him about the proposal for
16 constructing openings in the -- or access ports in the
17 service structure around the -- above the reactor vessel
18 head?

19 A. Yes, sir. He --

20 Q. Did he say he was familiar with that proposal?

21 A. Not necessarily familiar. He said he had had
22 discussions with Prasoon Goyal, and that he was not as
23 familiar with it before the first to mid -- so before
24 September 4th, he wasn't as familiar with it. But after
25 September 4th submittal he had additional discussions with

1 Prasoona Goyal and became more knowledgeable about it. He
2 went as far as to say that he knew that in 1996 that
3 Prasoona Goyal had pushed to get that modification for the
4 enlarged access ports put through, install but he failed.
5 And in 1998 he tried again, and again, he failed, and I'm
6 speaking of Mr. Goyal. And then he said he wasn't sure
7 what happened in 2000, but that he was still -- he was
8 confident that Goyal was still trying to push to get those
9 modifications implemented.

10 Q. Okay. I'm going to show you Government's Exhibit
11 56. Now, my information is this is -- this one is not in
12 evidence, and it will be our intention to offer it if it's
13 not. Would you tell The Court what that document is?

14 A. Yes, it's titled engineering work request. It's
15 got the Davis-Besse letterhead on it, and it's a request
16 from Andrew Siemaszko dated August 30th, 2001. And it's a
17 request to install larger access holes into this service
18 structure because presently, there's inadequate size of the
19 access holes.

20 Q. Okay. And when did that work request propose to
21 install the access holes?

22 A. August 30th, 2001.

23 Q. But when was the work to be done?

24 A. The 13 RFO. This is the 13 RFO effort, it says.

25 MR. POOLE: Your Honor, we move that document

1 into evidence.

2 MR. GORDON: No objection.

3 THE COURT: Hearing no objection, Government's
4 Exhibit 56 is admitted, and it may be displayed to the
5 jury.

6 BY MR. POOLE:

7 Q. All right. This time I'll display it for the
8 jury, and I will magnify the statement of problem for the
9 jury. Does it say NRC information bulletin 2001-01
10 requires licensees to visually inspect 100 percent of the
11 control rod drive nozzles. Video inspection performed
12 during 12 RFO -- slower, okay -- indicates that there are
13 some deposits of boric acid accumulated on the top of the
14 reactor head. These boric acid deposits have to be removed
15 to permit visual inspection. Previous attempts to remove
16 these deposits performed during 12 RFO were unsuccessful.
17 This was due to the inadequate size of the access holes,
18 weep holes, located on the bottom of the reactor head
19 service structure flange. Larger access holes need to be
20 provided to enable removal of the boric acid and inspection
21 of the nozzles.

22 Just to clarify, did you discuss this specific
23 engineering work request with Rod Cook?

24 A. That, I'm not sure. I'd have to check my notes.

25 Q. Okay. But the modification described here is the

1 modification you discussed with him; is that correct?

2 A. That's correct. To the best of my knowledge,
3 that's absolutely right. I'm only aware of that one
4 modification that was active over the last ten years or so.

5 Q. Okay. Now, in the course of your discussion, did
6 you talk with him about whether as a part of the bulletin
7 response they reviewed any of the past inspection reports
8 or condition reports about inspection of the head or
9 flanges?

10 A. Yes, sir, and --

11 Q. What did he tell you?

12 A. He said that as far as looking at past condition
13 reports or PCAQs, as they were formerly referred to as for
14 both the head and for the flanges, that they -- for
15 purposes of the bulletin responses, they were not -- he was
16 not aware of anyone looking at them. He said it was
17 strictly the videos that were being relied upon and nothing
18 more.

19 Q. Okay. Did he tell you whether he viewed the
20 videos?

21 A. He did. He said that during the time period that
22 Defendant Geisen's secretary was converting the videotapes
23 to CDs, that he had requested, through her, to get an extra
24 copy for himself. And he -- he thought the date was around
25 October 24th. During our investigation, through subpoena,

1 we had obtained a document that had properly shown that
2 there was a 10RFO and a 12RFO CD, and that it was late
3 September, I believe around September 27th to early
4 October, so it was sometime between late September and the
5 end of October apparently when he did get that tape because
6 he said that CD that he ended up looking at had both the
7 10RFO and the 12RFO reactor vessel head inspections on
8 them, on those tapes -- or on that CD, I'm sorry.

9 Q. Okay. Did he tell you anything about his
10 reaction to those when he saw them?

11 A. Yes, he was quite surprised. He said that it's
12 not at all what he thought he understood from speaking with
13 the engineering staff, that there was far larger amount of
14 boric acid than he had pictured and understood. He may
15 have said a couple of other things, but off the top of my
16 head, I don't remember.

17 Q. All right. Now, you said a minute ago that it
18 wasn't a part of the -- part of the effort to assist -- to
19 review condition reports and reports of past inspections.
20 Did he indicate whether he had reviewed PCAQ 96-551?

21 A. Yes, sir. He made a statement to us that he knew
22 that he had seen or reviewed 96-551 in either October or
23 November time frame.

24 Q. And is that -- was that the condition report, the
25 handwritten condition report that Prasoon Goyal prepared in

1 1996?

2 A. Yes, sir, it is. It's the one that talked about
3 only 50 to 60 percent of the head could be seen. Now, one
4 clarification was that Defendant Cook said he could -- the
5 reason he looked at that was because for purposes of
6 leaving water on the head, which was, I believe it was
7 either on page 4 or 5 of that particular document, so he
8 said that he was looking for, very specifically, for that
9 section. It happens to be on that same section, though
10 there's other verbiage that would lead you to believe that
11 there were other problems. But anyway, that's what he
12 said. And then he also mentioned about the 1998 and the
13 2000 condition reports, that those were pulled but he
14 didn't get a chance to look at those. And in -- all in the
15 same conversation that he said that he couldn't have seen
16 those prior tapes because the people that he was talking
17 to, Prasoon Goyal and Andrew Siemaszko, were the people who
18 actually did the inspections, so he think -- then he said
19 he thought that he had not seen those PCAQs until the
20 spring of 2002.

21 Q. Are you saying that he changed his story?

22 A. He changed his story, that's correct.

23 Q. During the course of the interview --

24 A. That's correct.

25 Q. -- or perhaps corrected himself?

1 MR. GORDON: I'm going to object to the leading
2 nature of these questions, Your Honor. That's highly
3 inappropriate.

4 MR. POOLE: Your Honor, we'll withdraw the last
5 question and move on.

6 THE COURT: Thank you.

7 BY MR. POOLE:

8 A. I would just emphasize that with respect to the
9 transcript is read, that section very specifically, though
10 Defendant Cook said that he knew when he started to answer
11 the question, he knew that in October or November is when
12 he saw 96-551. So it just -- you know, it's a question of
13 credibility.

14 Q. All right. I'll hand up to you now Government's
15 Exhibit 107. Our information is this is a document that's
16 not in evidence. Is this -- take a look and tell The Court
17 what this is, not what's in it yet, but just what it is.

18 A. It's an e-mail from Defendant Cook to Dave Miller
19 and Mark McLaughlin. The subject is draft responses to the
20 NRC request for additional information, and it's dated
21 October 22nd, 2001 at approximately 10:09 in the morning.
22 And it's -- there's a little note on the e-mail, it says
23 here are draft responses to the request for additional
24 information for which I was assigned. I think that some
25 combination of Mark's FRA-4 Framatome, question number

1 four, and mine will provide the necessary response to the
2 NRC's question. And that's all that's on that first page.

3 Q. Okay. So -- well -- and the date again?

4 A. The date was October 22nd of 2001.

5 MR. POOLE: Your Honor, we move for admission of
6 that exhibit.

7 MR. GORDON: No objection.

8 THE COURT: Hearing no objection, Government's
9 Exhibit 107 will be admitted, may be displayed to the jury.

10 BY MR. POOLE:

11 Q. All right. I'm going to display the first page
12 of the draft language attached to the e-mail. Let's see if
13 we can make the first question and answer readable. So is
14 that a question and answer about restrictions to viewing of
15 nozzles boric acid deposits?

16 A. Yes.

17 Q. Did you ask Defendant Cook about that?

18 A. Yes, I believe we did.

19 Q. What did he tell you?

20 A. For this, I'd like to take a moment to look at my
21 notes if I could.

22 Q. Go ahead.

23 MR. GORDON: May I inquire, Your Honor, is the
24 witness consulting notes?

25 THE COURT: Yes, he just indicated he was to

1 refresh his recollection.

2 MR. CONROY: Why doesn't he read from the
3 transcript?

4 MR. GORDON: This is all transcribed. Why does
5 he need his notes to refresh his recollection? There's a
6 record of this.

7 THE COURT: I understand. We'll have cross
8 examination.

9 BY MR. POOLE:

10 Q. Let me know when you're done with the notes,
11 Mr. Ulie. I'll have a more specific question for you.

12 A. Okay.

13 Q. Now, I'm going to read from the response section
14 here, starting with the words as further. Would you follow
15 along with me? As further stated in serial 2731, the scope
16 of the visual inspections will not be compromised by
17 preexisting boric acid crystal deposits. Following that,
18 it says, as stated in serial 2735, there are areas of the
19 head that are not viewable due to the presence of
20 preexisting boric acid crystal deposits that have resulted
21 from control rod drive mechanism motor tube flange leakage.

22 A. Yes, sir, that's correct.

23 Q. Did you discuss that language with him?

24 A. Yes, sir, I believe we did. I do not have in my
25 notes, though, his response.

1 Q. Okay. To your knowledge, does this disclosure
2 appear in this form in the final version of the document?

3 A. It does.

4 Q. Okay. And --

5 A. Oh, you mean in the issued version?

6 Q. Yes.

7 A. No, it doesn't, not in this -- it doesn't.

8 Q. Not in this form?

9 A. Not in this form, no. The information about the
10 preexisting deposits was taken out.

11 Q. Okay. I'm turning then to the page -- I'm going
12 to highlight the second question and response. The
13 question says, page 27 states that the RV head inspection
14 process is simple and straight forward, such that a written
15 procedure is not necessary for a successful inspection.
16 This statement appears to conflict with Criterion V of
17 appendix B to 10 CFR part 50, which states that activities
18 affecting quality shall be provided by documented
19 instructions, procedures or drawings. Was the Davis-Besse
20 visual examination of April 2000 performed using a written
21 procedure. And the response I'm going to read from says,
22 the inspection conducted during 12RFO in April 2000 was
23 conducted using procedure NGEN-00324 boric acid corrosion
24 control.

25 Now, this is language that, according to the May

1 mail, was produced by Rod Cook; is that right?

2 A. That's my understanding.

3 Q. Did Mr. Cook indicate to you that he had any
4 background with the boric acid corrosion control procedure?

5 A. Nothing specific, however, he did mention that he
6 responded during an NRC enforcement action to a revision to
7 a report that was going to be sent in to the NRC.

8 Q. All right. Let's talk about this. So we're
9 talking about an enforcement action during the time period
10 of the bulletin responses, or is this separate and earlier?

11 A. This is separate and earlier. There was an event
12 in 1998 where boric acid corrosion ate away carbon steel
13 nuts on a part of a reactor cooler pump system component.
14 And as a result of that, the NRC felt that potentially had
15 serious consequences if something were to have happened.
16 So as part of that, First Energy was required to submit
17 corrective actions so that wouldn't happen again. And it's
18 during that writing process that Defendant Cook was on site
19 and was requested to assist or help in writing that
20 response to the NRC. So to that extent, he had -- they
21 have some knowledge of boric acid corrosion control, but no
22 formal training that I'm aware of.

23 Q. Did you ask Mr. Cook about whether he signed off
24 on the greensheets for the serial letters?

25 A. Yes, sir, we did.

1 Q. What did he tell you?

2 A. He said yes to serial numbers 2731,
3 September 4th, 2001 response, serial number 2735, the
4 October 17th, 2001 response, serial number 2741, the
5 October 30th, 2001 response and the serial number 2744,
6 also October 30th, 2001. And then separate from that as
7 part of our review of documentation, reviewed 2745
8 signatures and Mr. Cook's name shows up on -- for a --
9 serial letter 2745, which I believe was on November 1st,
10 2001.

11 MR. POOLE: All right. I'm going to turn now to
12 a couple more documents that are not yet in evidence, and
13 we're going to seek to introduce them. I'm going to hand
14 up now Government's Exhibit 118. And correct me if I'm
15 wrong, please, but I believe this is not yet admitted.

16 THE COURT: No, I have it admitted.

17 COURTOOM DEPUTY: I do too.

18 THE COURT: It was admitted on the 2nd.

19 MR. POOLE: All right. Then I'll have no more to
20 say about that document. Government's Exhibit 152.

21 THE COURT: That has not been offered or
22 admitted. Pardon me, that has not been offered or
23 admitted. Am I correct?

24 COURTOOM DEPUTY: You're correct.

25 BY MR. POOLE:

1 Q. Agent Ulie, would you tell The Court what that
2 document is?

3 A. It appears to be a training record for Defendant
4 Geisen for his continuing engineering education, and it
5 looks like it's the boric acid corrosion control program
6 training information.

7 Q. Is it dated?

8 A. It is dated December 15th, 1999.

9 MR. POOLE: Your Honor, we move that document.

10 MR. WISE: No objection.

11 THE COURT: It will be admitted without
12 objection.

13 BY MR. POOLE:

14 Q. All right. You can set that one aside and let's
15 talk about your interview of Mr. Geisen. Did he tell you
16 about his background and experience?

17 A. Yes, sir, he did.

18 Q. What did you learn?

19 A. I learned that he was in the Nuclear Navy
20 program. Following that, spent about 14 years -- the next
21 14 years at the Davis-Besse site. He enrolled in and was
22 accepted and successfully completed a senior reactor
23 operator certification program. From there, he was
24 immediately put into supervisory ranks at Davis-Besse
25 plant, and I believe first in the electrical engineering

1 group.

2 Q. Could you move the microphone a little closer? I
3 think you're a little bit soft spoken here.

4 A. And from the electrical engineering group then in
5 March of 2000, he was promoted again to manager of design
6 engineering. And that's where he stayed until he left in
7 September of 2002.

8 Q. All right. I kind of jumped out of order here.
9 Can you tell the jury the circumstances of the interview,
10 when and where it was?

11 A. Yes. It was at a local hotel, I believe in Port
12 Clinton. Again, it lasted approximately four hours. It
13 was -- I don't remember if it was tape recorded or we had a
14 court reporter there, which means it was transcribed,
15 but -- and it was in October. It was later, about
16 October 29th, 2002 that that interview occurred.

17 Q. And how long did it take?

18 A. About four-and-a-half hours approximately.

19 Q. All right. Did you ask him what he knew about
20 prior head inspections at Davis-Besse?

21 A. Yes, sir, we did.

22 Q. What did he tell you?

23 A. He told us that as part of his continuing
24 education that he went through for the boric acid corrosion
25 control program, he had some familiarity with -- with the

1 subject of nozzle cracking, and that he -- that all
2 engineers go through training in the boric acid corrosion
3 control program, especially since that PRC2 event had
4 occurred. Since he was a manager in the design engineer
5 group, he automatically had a collateral duty of being on
6 the steering committee for the owners group, the PNW owners
7 group.

8 But he said he really got involved, more heavily
9 involved in nozzle cracking in November or December of 2000
10 when there was circumferential cracking found at Oconee
11 and/or Arkansas plants.

12 MR. WISE: Can we just strike that answer as
13 nonresponsive to the question?

14 THE COURT: I could not hear you.

15 MR. WISE: I would like to strike that answer as
16 nonresponsive to the question.

17 THE COURT: Granted. Jury will disregard the
18 last response. Would you restate the question so that he
19 responds to the question. This was about training, not
20 about the question you asked him?

21 MR. POOLE: Yes, Your Honor.

22 BY MR. POOLE:

23 Q. The question I posed to you was did he tell you
24 about inspections that were done at Davis-Besse in prior
25 outages?

1 A. Yes, he did tell us about outages that he had
2 worked on at prior outages, and including October -- not
3 that he had worked on but information that he was aware of
4 from those prior inspections.

5 Q. Okay. Did he tell you that he knew about the
6 state of cleaning that was done at the 10th and
7 11th refueling outage?

8 A. Yes, he did very specifically. He said that
9 those outages, they couldn't clean the head as well as they
10 expected for both 1996 and 1998 as left condition.

11 Q. And what did he tell you about 2000, 12th
12 refueling outage?

13 A. He said that he worked in outage central
14 during -- during that outage. And he saw pictures that
15 came through there, the red photo, the infamous red photo
16 that we've talked about during this trial. And all of the
17 boric acid rust red color brown boric acid that was seen on
18 the head flange area was shown in those pictures, that he
19 had seen that. He said that there was significantly more
20 boric acid that had occurred during the 12th RFO than had
21 occurred in earlier outages based on his experience and
22 knowledge.

23 Q. All right. Now, did Mr. Geisen have training,
24 and was he involved in committees where he learned about
25 the nozzle cracking program?

1 A. Yes, sir.

2 Q. Tell the jury about that, please.

3 A. Already when he was promoted to manager of the
4 design engineering group, he automatically then was
5 placed -- got a collateral duty on the Babcock and Wilcox
6 owners group that dealt with the nozzle crack issue. He
7 said then in November or December of 2000 time frame, he
8 also became more involved as a result of Arkansas and
9 Oconee finding their nozzle crack problems. And his own
10 personal training, because of the RC 2 event, one of the
11 corrective actions was all engineers on site were to
12 receive special training. They revised the boric acid
13 corrosion control procedure, and Defendant Geisen said that
14 all engineers on site did get this training.

15 Q. And did he tell you that he got that training?

16 A. And that he got that training.

17 Q. And was that -- was that the training related to
18 that Exhibit 152 we did a minute ago?

19 A. Correct. And we were -- we had that document,
20 that exam with us, and we showed it to him during the
21 interview, and he acknowledged that that was his signature
22 and Social Security number, and that was his test.

23 Q. All right. Did you ask him about the condition
24 reports for the reactor vessel head that were produced in
25 the 12th refueling outage?

1 A. Yes, we did. There were two condition reports.
2 There was a condition report 2000-0782 that one of the
3 system engineers was out in the field and saw this boric
4 acid coming out of the weep holes, and so he immediately
5 wrote that condition report up, that that condition report
6 described that there was heavy leakage coming out of the
7 weep holes, that there was --

8 MR. WISE: Objection, Your Honor. I don't want
9 to make a speaking objection. Can we approach?

10 THE COURT: Of course.

11 (A side bar conference was had on the
12 record.)

13 MR. WISE: I lied. I did want to make a speaking
14 objection.

15 THE COURT: I know you did.

16 MR. WISE: Here's my problem with this, Mr. Ulie
17 right now is testifying to what that condition report
18 showed.

19 THE COURT: I saw that.

20 MR. WISE: But he's making it sound like this
21 what Mr. Geisen -- that is what Mr. Geisen --

22 THE COURT: Your objection is well taken. You
23 have to separate for him what Geisen told him as reflected
24 in the transcript and what was contained in the reports
25 you're referring to.

1 MR. POOLE: We'll clarify that.

2 MR. GORDON: Your Honor, while we're here, I
3 didn't do this during his examination because of the
4 discussion we had previously off the record. Let me place
5 on the record our objection to all of that testimony. I
6 think it's improper use of Rule 1006. I think it's all
7 hearsay unless they identify an exception to the hearsay
8 rule which they've not attempted to do. You're going to
9 overrule me but I want to make the record.

10 THE COURT: And you're right. I do.

11 BY MR. POOLE:

12 Q. Mr. Ulie we'd like a little clarification on the
13 things you were just telling us. Were you describing to
14 the jury the condition report, or were you telling us what
15 Mr. Geisen told you about it?

16 A. A little of both.

17 Q. All right. Why don't you start -- well, let's
18 display the condition report for the jury. All right.

19 Page one.

20 MR. WISE: Your Honor, I appreciate Mr. Poole's
21 clarification, but I would object. This witness is here to
22 testify about what Mr. Geisen said, not offer his opinion
23 about what the condition report was.

24 THE COURT: I don't see the reason for the
25 exhibit and his testimony with respect thereto.

1 MR. POOLE: Well, specifically he's going to be
2 testifying regarding pictures in the exhibit and I wanted
3 to display the pictures to the jury.

4 THE COURT: Pictures are something else. Let's
5 talk about the pictures. It's already in evidence.

6 MR. POOLE: Pictures are in evidence.

7 THE COURT: Yes. Are they not?

8 MR. POOLE: Yes, Your Honor.

9 THE COURT: All right. And is it related to the
10 interview responses of Mr. Geisen or Mr. Cook to which the
11 witness is testifying?

12 MR. POOLE: Your Honor, I'll, at this time, go
13 directly to the pictures and ask him what Mr. Cook told him
14 about the picture.

15 THE COURT: That's fine.

16 MR. GORDON: Mr. Cook or Mr. Geisen?

17 MR. POOLE: I'm sorry, Mr. Geisen. Thank you,
18 counsel.

19 BY MR. POOLE:

20 Q. All right. At this time I'll display for the
21 jury a picture. Do you recognize that as a picture from
22 the condition report, 782?

23 A. I believe so, yes.

24 Q. Did Mr. -- Mr. Geisen tell you --

25 JUROR: Can't see it.

1 BY MR. POOLE:

2 Q. Did Mr. Geisen tell you anything about his
3 conclusions that he drew from these pictures?

4 A. What he said was that he had seen those pictures
5 because he worked in outage central. They were being
6 passed around in outage central. And this was part of why
7 it led him to believe that he saw the boric acid based on
8 what he had seen during prior outages. He made the comment
9 that this was significantly more boric acid than he had
10 seen in past outages.

11 Q. Did you ask him why this information was not
12 provided to the Nuclear Regulatory Commission?

13 A. I don't believe we did.

14 Q. Okay. Now, did you discuss with him another
15 condition report --

16 A. Yes, sir, we did.

17 Q. -- from the 2000 outage?

18 A. We did, and that --

19 Q. Was that condition report 2000-1037?

20 A. Yes, sir, that's correct.

21 Q. Was that the condition report containing a
22 section signed by him that listed the mode restraint?

23 A. That's correct.

24 Q. Based on cleaning?

25 A. That's correct. There was a mode four restraint

1 form that had been attached to that condition report, which
2 he had signed. And I believe --

3 Q. And did he acknowledge signing it?

4 A. He did. He acknowledged signing it.

5 MR. POOLE: Your Honor, we'd like to display that
6 for the jury.

7 THE COURT: It has been previously?

8 MR. POOLE: It's in evidence, yes.

9 THE COURT: You may.

10 BY MR. POOLE:

11 Q. All right. Is that the section we're referring
12 to?

13 A. Yes, sir.

14 Q. What did he tell you about that?

15 A. He said that he heard that the cleaning was
16 scheduled, and because of that, he signed off that it could
17 be closed out. And the work really wasn't done until
18 April 28th. Yet he signed that it could be taken.

19 MR. WISE: Objection, Your Honor.

20 THE COURT: On what basis?

21 MR. WISE: On the basis that he's testifying
22 about what happened at the plant and not what Mr. Geisen
23 was asking him about.

24 THE COURT: Are you testifying about what he said
25 at the interview?

1 THE WITNESS: Interview.

2 THE COURT: Overruled.

3 A. So he told us that he had signed -- based on his
4 understanding was that the work was going to be completed
5 in the future, and so he signed off on the 27th. The work
6 ended up being done on the 28th, but he was not aware that
7 they had not completed the work satisfactorily.

8 Q. And that's what he told you, that he was not
9 aware of that at the time?

10 A. That's correct.

11 Q. Did he tell you when he found out?

12 A. I believe it was actually in 2001, sometime
13 during the fall.

14 Q. All right. I want to call your attention now to
15 Government's Exhibit Number 22. I believe that's already
16 in evidence.

17 THE COURT: It is.

18 BY MR. POOLE:

19 Q. It's an e-mail -- may I take that -- from Prasoon
20 Goyal to Andrew Siemaszko, Dave Geisen and others. It says
21 Dave Whitaker called yesterday and asked me to pass along a
22 lesson learned from the Oconee 1 ongoing reactor vessel
23 head penetration situation. David wanted me to make sure
24 that all of you understood that the amount of boric acid
25 observed in the visual inspection was very small, and that

1 it is important to have a clean head for a good visual
2 inspection. If the head is not clean, the chances of
3 finding boric acid such as that observed at Ocone 1 are
4 not very good, Bill.

5 Did he acknowledge to you receiving that e-mail?

6 A. One more time.

7 Q. Did he acknowledge to you that he received that
8 e-mail?

9 THE COURT: He who?

10 MR. POOLE: Mr. Geisen, Defendant Geisen.

11 A. I believe -- I believe what he told us was
12 looking at it that it's got his name on it. He's sure that
13 it came to him, but he did not recall seeing it. He said
14 that he has -- he gets a lot of e-mails in the course of a
15 day and a week, so -- but he said since his name's on it,
16 he's sure he did get it but he just didn't recall reading
17 it.

18 Q. All right. Let's try another one, Government's
19 Exhibit 36. I'll display it for the jury. This is an
20 e-mail from Prasoon Goyal to Dave Geisen and others,
21 subject NRC bulletin 2001-01 circumferential cracking of RV
22 head penetration nozzles dated August 11, 2001. Would you
23 take a look at that, tell the jury if you discussed that
24 document with him?

25 A. Yes, sir. We did discuss this with him, and he

1 said that this was meant more towards the upcoming 13 RFO
2 refuel outage, and he didn't really address our question
3 with respect to the past. We were asking him about the
4 verbiage that talks about they can't clean their head and
5 they're requesting the enhanced access ports to be
6 installed.

7 Q. We're going to enlarge a passage for the jury.
8 Tell the jury, is that the section that you discussed with
9 him?

10 A. Yes, sir, right.

11 Q. Specifically the language that says it was
12 pointed out that we cannot clean our head through the mouse
13 holes, and Andrew Siemaszko was requesting three large
14 holes be cut in the service structure for viewing and
15 cleaning?

16 A. Correct, that's when he said that when you read
17 the -- when you read the document as a whole, it's talking
18 towards the 13RFO, and that was the way it was left.

19 Q. All right.. Let's talk about Government's Exhibit
20 40, an e-mail from Prasoon Goyal to David Geisen and
21 others, subject NRC bulletin date August 17th, 2001. Take
22 a look and tell the jury if you discussed that with him.

23 A. Yes, sir, I know we discussed it with him. I
24 would just ask for a minute to look at my notes. Okay. I
25 looked at my notes, and according to those notes, it says

1 that he was asking --

2 Q. Let me ask you a question. Having looked at your
3 notes, are you now able to testify according to your
4 recollection?

5 A. Yes.

6 Q. Okay. Go ahead.

7 A. All right. He was saying that due to -- they
8 were looking at the verbiage in this section of this e-mail
9 with respect to crack growth rate. And going back to the
10 last sentence, you can see all their nozzles --

11 Q. Okay. Which paragraph is that in? Is that the
12 first full paragraph?

13 A. That is in -- yes.

14 Q. All right. I'm going to show this page to the
15 jury.

16 A. Towards the lower third portion.

17 Q. It's the paragraph beginning Steve?

18 A. Steve, right.

19 Q. All right. Tell the jury which part of this
20 paragraph you were asking him about. Is it second to last
21 sentence, is it possible to go back to 1998 --

22 A. That is correct.

23 Q. Let me read the sentence. Is it possible to go
24 back to 1998, that is when a good head exam was done with
25 no nozzle leakage, meaning not taking any credit for 2000

1 inspection. Is that what you're asking him about?

2 A. That's correct. And then he said that it relates
3 more to cracked growth rate and -- and when they were able
4 to go back and look at all of the nozzles, then it is
5 talking about as it's stated there.

6 Q. Just to clarify, did -- did he -- did he have any
7 comment about the language in the sentence that suggests
8 the possibility of nozzle leakage?

9 A. No, no, he didn't address that. And then we
10 asked the follow-up question on this and asked why wouldn't
11 you want to take credit for the 2000. And he said that it
12 was because of so many nozzles that had been obscured when
13 they did their as-found inspection. And so that was the
14 reason they were going back to '98.

15 Q. By obscured, did you understand him to be
16 indicating they were obscured by boric acid?

17 A. Correct.

18 Q. All right. Did you -- did you ask him why the
19 September 4th response -- that's the first bulletin letter.
20 Did you ask him why that didn't say that nozzles were
21 obscured and uninspectable?

22 A. We did, and he didn't have a -- he said he did
23 know to the best of his knowledge it was not done
24 intentionally.

25 Q. Okay. Did you ask him whether -- what the

1 bulletin responses were based on, whether the information
2 about inspection was based on review of past reports or
3 videos?

4 A. Okay. Yeah, in that regard, Defendant Geisen
5 said that it was based solely on videos and that was it.

6 Q. Was that the initial response that he was
7 describing at that time?

8 A. I took it to be that was the response.

9 Q. Okay. Did he tell you about FENOC's reaction
10 when the NRC told them that the initial response was
11 insufficient?

12 A. He -- yes, he did. He talked about how the vice
13 president of the company was very upset, and talked about
14 that that caused all sorts of new work activity within
15 FENOC site that they had to do to help get prepared for
16 meetings, et cetera, with the NRC.

17 Q. Did some of that new work include preparation of
18 the table by Andrew Siemaszko?

19 A. That's true. He talked about how initially they
20 were looking at it from a generic standpoint, and now they
21 were going to have to go nozzle by nozzle. And so he had
22 assigned one of his subordinates to do this table, that
23 they were going to end up presenting to the NRC in the
24 upcoming weeks.

25 Q. Just to clarify, is it your understanding that

1 Andrew Siemaszko was, for ordinary purposes at the plant, a
2 subordinate of Dave Geisen?

3 A. Yes, sir.

4 Q. Was he in the design engineering group?

5 A. No, sir. Andrew was in plant systems. And my
6 understanding, though, is design engineering has control
7 over design as well as plant systems at Defendant Geisen's
8 level.

9 Q. Did he indicate that he did any review of Andrew
10 Siemaszko's work?

11 A. Yes, sir. He talked about when the table -- when
12 Defendant Siemaszko had completed the table, or at least
13 got it in draft form to show his supervisors, that he did
14 go over it. Defendant Geisen went over it with Defendant
15 Siemaszko, and he looked at his methodology and he was
16 satisfied.

17 Q. Did he say how much time he spent reviewing
18 methodology?

19 A. It was one to one-and-a-half-hours he said he
20 spent doing that.

21 Q. Did he tell you whether he personally viewed the
22 videotapes?

23 A. Yes, sir. He said that during 199 -- or during
24 the -- an early October time frame, that he had viewed
25 portions of the 1996, 1998 and the 2000 reactor vessel head

1 inspections.

2 Q. Did he indicate how extensive those portions
3 were?

4 A. Not in any great detail, not that I recall.

5 Q. Okay. Did he make any comment about the relative
6 importance of the top center nozzles to those inspections?

7 A. Yes. He pointed out that the top four nozzles --
8 and we had a hearing about this, and the response with
9 FENOC was that because their -- their gap is so tight
10 between -- between where the nozzle exits the head, that
11 theoretically at least they would not leak. And so for
12 that reason, even if they were covered in boric acid, if it
13 wasn't going to leak, you wouldn't see official nozzle
14 leak.

15 Q. All right. We'll get back to that. Now I'd like
16 to ask you about Exhibit 65.

17 MR. POOLE: Can I get someone to pull 65 for me?
18 I believe that's been previously admitted.

19 THE COURT: Correct.

20 BY MR. POOLE:

21 Q. Do you recognize Government's Exhibit 65 as the
22 letter that Greg Gibbs, Mr. Gibbs said that he left on
23 Defendant Geisen's desk?

24 A. Yes, sir, it is.

25 Q. And is that the letter that indicated that at the

1 conclusion of the 12th refueling outage, the reactor vessel
2 head had boric acid deposits of considerable depth?

3 A. That's the way Mr. Gibbs described it in this
4 report, that's correct.

5 Q. Did you question Mr. Geisen about that?

6 A. Yes, we did. And he said that while he was at
7 NRC headquarters, October 11th time frame, that even though
8 Mr. Gibbs' report was issued September 14th, that Defendant
9 Geisen didn't have an opportunity to read it until he
10 returned after October 11th.

11 Q. All right. The jury has seen evidence of
12 presentations at meetings made by Mr. Geisen that said the
13 13th refueling outage there would be a qualified visual
14 examination. Did you ask him about the impact of these
15 boric acid deposits on the examinations?

16 A. I can't recall that we did specifically do that.

17 Q. All right. Well, did he make any other general
18 comments about flange leaking and its significance to their
19 inspections?

20 A. Well, he talked about there was a mindset at
21 Davis-Besse of what he stated technical arrogance is once
22 you convince yourself that you have flange leakage that you
23 don't -- you don't consider any other options. Whenever
24 they saw leakage, it was flange leakage and nothing else.

25 Q. Did he tell you whether he viewed any of the

1 flange inspection videos?

2 A. He said that he had not himself viewed any of the
3 flange inspection videos.

4 Q. Did he tell you whether he directed anybody else
5 to do that?

6 A. Nor had he directed anyone to look at those
7 videos, nor had he had any knowledge that there was anyone
8 that was looking at the -- at the flange inspection results
9 or videos.

10 Q. Did he describe to you the process of putting
11 together the photographs that became the serial letter
12 2744?

13 A. Well, he talked about his input into it was that
14 he had obtained a file and pictures from Defendant
15 Siemaszko who was putting together pictures, and that
16 Defendant Geisen wrote the captions on four -- or that 2744
17 where they were going to put photographs in it.

18 MR. POOLE: Okay. Your Honor, at this time,
19 we're going to -- I'd like to display photographs from
20 Government's Exhibit 113.

21 THE COURT: What was the number, please?

22 MR. POOLE: 113. I believe it should be in
23 evidence.

24 THE COURT: It is.

25 MR. POOLE: And in a moment when I locate it, I'd

1 like to show the jury and Mr. Ulie a photograph that he
2 asked Mr. Geisen about.

3 THE COURT: Very good.

4 BY MR. POOLE:

5 Q. Mr. Ulie, do you recognize that as one of the
6 pages from the serial letter 2744?

7 A. Yes, sir, I do.

8 Q. And you said a minute ago that he told you that
9 he wrote the captions for those photographs?

10 A. That's correct.

11 Q. Let's see if we can get any better view of that
12 photograph. Not much but we can read the caption.

13 It says some boron piles were observed at the top
14 of the head -- some boron piles -- all right, I'm reading
15 from this exhibit. Some boron piles were observed at the
16 top of the head in the vicinity of previous leaking
17 flanges. Because of its location on the head, it could not
18 be removed by mechanical cleaning. And this is the
19 language I want to ask you about, but was verified not to
20 be active or wet and therefore did not pose a threat to the
21 head from a corrosion standpoint. So this verified not to
22 be active or wet. Do you recall asking Mr. Geisen about
23 that language?

24 A. I think one of my co-workers actually asked about
25 that.

1 Q. All right. What did he say about that?

2 A. I thought he said that he had spoken with -- with
3 another individual, another plant employee who he had asked
4 and that's where he got that answer.

5 Q. And who was that individual?

6 A. I believe it was Ed Chimahusky.

7 Q. And do you recall when Mr. Chimahusky was asked
8 the question here in court?

9 MR. WISE: Objection.

10 THE COURT: Sustained.

11 MR. POOLE: We'll move along.

12 BY MR. POOLE:

13 Q. Now, the following sentence says additionally,
14 since these drives are not credited with leaking, that
15 further ratifies that the boron is from previous flange
16 leakage. Did you ask him any questions about that?

17 A. None that I can remember, but just that the --

18 MR. WISE: Objection. He said he didn't
19 remember.

20 MR. POOLE: I'll move on.

21 BY MR. POOLE:

22 Q. Specifically was there a discussion with him
23 about the question of whether the nozzles at the top of the
24 reactor vessel head had a gap and were therefore capable of
25 leaking?

1 A. Yes, sir, there were.

2 Q. What did he tell you about that?

3 A. He maintained, as we had seen in FENOC documents,
4 that there -- they will not leak because there was a lack
5 of a gap.

6 Q. Okay. Did he acknowledge signing off on the
7 green sheets?

8 A. Yes, sir.

9 Q. Which ones did he admit signing?

10 A. 2731, 2735, 2741, 2744. And then, like I said,
11 we didn't ask, but in our research we did see that he had
12 signed off on 2745. He might have signed off on others,
13 but it's all that comes to mind right at this time.

14 Q. Okay. Now, with regard to 2735, and later
15 submittals that had the table with the nozzle-by-nozzle
16 inspection, did you ask him who was responsible for the
17 accuracy of the information contained in that table?

18 A. Yes, sir, we did. And primary responsibility, he
19 says, was Andrew Siemaszko, but it was also his
20 responsibility because he was doing the auditing or
21 oversight of Andrew.

22 Q. And does he -- did he indicate whether he
23 believed that was a responsibility that was imposed by the
24 instructions for block 14 on the greensheet?

25 A. Yes, he did, and -- and speaking of that, he

1 actually then did speak to that it's his -- he has more
2 ownership because he's in the position that he's in. And
3 according to the instructions that are in the greensheet,
4 his position is one of having ownership as far as accuracy
5 of documents.

6 Q. Was that the word he used, ownership?

7 A. No, sir, I'm paraphrasing.

8 Q. Okay. Responsibility?

9 A. Responsibility I think is more accurate.

10 MR. POOLE: Thank you. That's all the questions
11 we have.

12 THE COURT: Ladies and gentlemen, we're going to
13 take an extended break for lunch for multiple reasons,
14 including some of my own. We'll resume at 2:30. That will
15 give you time for a leisurely lunch.

16 I'd like to see counsel for a moment.

17 We'll see you. I'd appreciate it if you'd get
18 back a little early, like 2:15. We may not reassemble
19 until 2:30, but just in case the tasks that need to be
20 completed have been completed, we will go at 2:15.

21 Please remember my previous admonitions to you,
22 not to discuss this case among yourselves nor with anyone
23 else or permit anyone to discuss it with you. Please do
24 not read, listen to or watch anything touching on this case
25 in any way. Do not make up your minds on the ultimate

1 issues you will decide at the end of the case. Enjoy your
2 leisurely lunch.

3 (A brief recess was taken for lunch.)

4 THE COURT: Mr. Wise, cross.

5 MR. WISE: Thank you, Your Honor.

6 CROSS EXAMINATION

7 BY MR. WISE:

8 Q. Good afternoon, Mr. Ulie.

9 A. Good afternoon.

10 Q. You testified that you are an employee of the
11 NRC?

12 A. Yes, sir.

13 Q. And you work specifically out of region three?

14 A. Yes, sir.

15 Q. Which is the region that covers Davis-Besse?

16 A. I would clarify that. Our Office of
17 Investigation's considered a headquarters office.

18 Q. But you work out of region three?

19 A. That's correct.

20 Q. And region three covers Davis-Besse?

21 A. That is correct.

22 Q. And region three also staffs Davis-Besse with a
23 resident inspector, correct?

24 A. That's correct.

25 Q. Now, you testified this morning about your

1 interview of Mr. Geisen, right?

2 A. Yes, sir.

3 Q. Which was transcribed --

4 A. Yes, sir.

5 Q. -- with a court reporter?

6 A. We did our interviews one of two way. He -- we,
7 either my co-worker and I, tape recorded or we had a
8 transcriber or a --

9 Q. Do you recall if this interview was tape
10 recorded?

11 A. I don't, but we could look on the transcript.
12 That would tell us.

13 Q. Have you retained a recording of Mr. Geisen's
14 interview?

15 A. If we received a tape, yes. Sometimes the court
16 reporter service sends a floppy instead.

17 Q. You certainly know at least there is a transcript
18 of this interview?

19 A. That is correct.

20 Q. Which I take it you have reviewed?

21 A. Yes, sir.

22 Q. And you know, based on that transcript, that we
23 could go to Mr. Geisen's exact words, right?

24 A. Correct.

25 Q. Let me ask you about the way that your interview

1 of him began. Would you agree with me that you were not
2 fully candid with Mr. Geisen at the beginning of your
3 interview of him?

4 A. Can you explain?

5 Q. Well, you testified that you work for the office
6 that does criminal investigations?

7 A. That's correct.

8 Q. And in fact, the purpose of the Office of
9 Investigation's report, which was initiated on
10 April 22nd of 2002, was to determine whether First Energy
11 Nuclear Operating Company personnel stationed at the
12 Davis-Besse nuclear plant willfully violated NRC
13 requirements regarding the reactor vessel head, correct?

14 A. All our violations, all our investigations begin
15 that way.

16 Q. In fact, the language that I just read to you
17 came out of a report that you wrote after your
18 investigation?

19 A. That's true.

20 Q. You would agree with me that the interview of
21 Mr. Geisen was being conducted, at least in your view, in
22 connection with an investigation of potential criminal
23 violations, right?

24 A. All our investigations start out the same way.
25 They generally start out civilly, and then as evidence is

1 developed, then they work their way towards criminal.

2 Q. Didn't you make it a point of telling the jury
3 this morning that you work for the office that does
4 criminal investigations?

5 A. That's correct.

6 Q. When you talked with Mr. Geisen at the beginning
7 of the interview, you certainly didn't tell him that you
8 were conducting a criminal investigation?

9 A. I told him just the standard practice that I've
10 done my entire career.

11 Q. You did not tell him that he was being
12 interviewed in connection with a criminal investigation,
13 yes or no?

14 A. I'd have to see the transcript.

15 Q. Mr. Ulie, I'm going to show you what's been
16 marked as Defense Exhibit 17 for identification. That is,
17 in fact, the transcript of your interview of Mr. Geisen,
18 correct?

19 A. Yes, sir.

20 Q. If you'll turn to page 3, and counsel, I'm on 19,
21 which you told Mr. Geisen was the subject matter of this
22 investigation regards a Nuclear Regulatory Commission
23 fact-finding investigation into the circumstances
24 surrounding the Davis-Besse reactor vessel head degradation
25 problem, right?

1 A. That's part, but if you go to page 4, I said to
2 Mr. Geisen, you understand if you're not truthful during
3 this official Nuclear Regulatory Commission procedure, you
4 are subject to potential criminal violation of perjury.

5 Q. So if he lied to you, he was subject to a
6 criminal charge?

7 A. Correct.

8 Q. You did not tell him you were investigating a --
9 you were making a criminal investigation?

10 A. Again, I'll repeat.

11 Q. Please do.

12 A. All of our investigations begin where they can be
13 both -- they could be subject to civil enforcement action
14 and they can be subject to criminal prosecution. That's
15 our standard operating practice.

16 Q. Mr. Ulie, I'm not asking about your standard
17 procedure, I'm asking about what you told Dave Geisen, and
18 what you told him did not include that he was being
19 interviewed in connection with a criminal investigation,
20 right?

21 A. I think we're playing on schematics, but I really
22 believe that the way our investigations are, since they can
23 go both civil or criminal, and they are always that way,
24 and I used standard protocol.

25 Q. Mr. Ulie, I'm not asking you whether --

1 THE COURT: I understand. It's a yes or no. Did
2 you advise him that this -- this interview was -- could
3 lead to criminal charges as a result of your investigation?

4 THE WITNESS: No, sir, only to the extent that I
5 quoted.

6 BY MR. WISE:

7 Q. And Mr. Ulie, the interview that followed, I take
8 it you would agree with me, was in the form of a long and
9 winding conversation, correct?

10 A. It was in the conversation format.

11 Q. You spoke with Mr. Geisen for five hours,
12 approximately?

13 A. I thought it was four-and-a-half, but
14 four-and-a-half to five.

15 Q. Okay. And you would agree with me that he was
16 not guarded during this conversation?

17 A. Let me just respond fully to your first question.
18 It was 8:30 a.m. that it started and it was 12:55 when it
19 ended.

20 Q. So four-and-a-half hours, right, and he was not
21 guarded during the conversation, correct? He spoke freely?
22 Would you agree with me?

23 A. He was represented by counsel.

24 Q. That wasn't my question. My question was, he
25 spoke freely during the interview?

1 A. In comparison to?

2 Q. You talked with him for four-and-a-half hours,
3 right?

4 A. That's correct.

5 Q. In fact, your last question was asking him
6 whether he had anything further, and he said no and then
7 talked for another two-and-a-half pages, right? Do you
8 remember that?

9 A. No, sir, I don't.

10 Q. Take a look at the third to last page. On page
11 183 you asked him, all right, is there anything else that
12 we haven't asked you that you want to add. His answer was
13 no. And then he spoke for another two pages, right?

14 A. He spoke for another two pages.

15 Q. He did?

16 A. That's correct.

17 Q. So my question was simply this, he was talkative
18 during the interview, correct?

19 A. At least at the end. I mean, I'm not trying to
20 be argumentative.

21 THE COURT: Let's not mince words. Let's move
22 on.

23 MR. WISE: Fine.

24 THE COURT: Thank you.

25 BY MR. WISE:

1 Q. You would agree with me that throughout the
2 interview, Mr. Geisen spoke routinely of we, the plant,
3 correct?

4 A. I don't have a recollection of that, but I don't
5 doubt that.

6 Q. Okay. For example, you recall that he was
7 speaking about 2731 and what we meant as a plant?

8 A. Okay.

9 Q. You remember those discussions?

10 A. Not specifically.

11 Q. Okay. Turn to page 84, if you would, with me.

12 A. Sure, I'm there.

13 Q. And that's the point he's discussing 2731,
14 correct?

15 A. Yes.

16 Q. He's talking about the bulletin time period,
17 correct?

18 A. Yes.

19 Q. And in fact, he starts talking about what he was
20 placing emphasis on, right?

21 A. Yes.

22 Q. And you certainly recall other discussions about
23 what Davis-Besse was trying to communicate through 2731,
24 right?

25 A. Yes.

1 Q. In fact, it was a focus of a good part of your
2 interview, wasn't it?

3 A. It was part of the interview.

4 Q. He also told you that he, Dave Geisen, had no
5 role in drafting 2731, right?

6 A. Yes.

7 Q. Okay. So you would agree with me that for large
8 portions of this interview -- and strike large. For
9 portions of this interview he was discussing things that he
10 had not been personally involved in in giving you his
11 perspective on what Davis-Besse had been thinking, correct?

12 MR. POOLE: Your Honor, I'm going to object to
13 this line of questioning on grounds of hearsay.

14 MR. WISE: It puts into context the statement the
15 government has offered as a summary.

16 MR. POOLE: But it's not being offered by a party
17 opponent.

18 THE COURT: Overruled.

19 THE WITNESS: Could you ask the question again?

20 MR. WISE: I'm actually sorry, I'll ask Ms. --

21 (Judge read back question).

22 THE COURT: That's why it's not, because we don't
23 have that yet.

24 A. My response is that he did sign off on 2731, so
25 to that extent we were questioning him on that subject

1 matter.

2 Q. And he was -- and he was giving you responses
3 about 2731, right?

4 A. Yes, sir.

5 Q. About what the thought process was behind the
6 drafting of 2731, correct?

7 A. Yes.

8 Q. And about what was in 2731, right?

9 A. Yes.

10 Q. Even though he made it clear to you that he had
11 no role in the actual drafting of that document, correct?

12 A. Yes.

13 Q. Okay. He also made clear to you -- well, let me
14 set this up so we're on the same page. Your interview of
15 him was October 29th of 2002, correct?

16 A. Say that again.

17 Q. Your interview of Mr. Geisen occurred on
18 October 29th of 2002?

19 A. That's correct.

20 Q. That was approximately seven-and-a-half months
21 after the cavity had been discovered in the head of the
22 reactor vessel, correct?

23 A. Six months, seven months, yes.

24 Q. And Mr. Geisen made it clear to you that since
25 the discovery of the cavity, he had reviewed a number of

1 documents, correct --

2 A. Yes.

3 Q. -- that he had not seen before the cavity had
4 been discovered, correct?

5 A. Yes.

6 Q. One of those documents was 97 -- 96-0551,
7 correct?

8 A. I believe that was a document that he first said
9 that he had looked at in the fall and then recanted and
10 said he did it in the spring of 2002.

11 Q. Well --

12 A. I can double check.

13 Q. Let's look at that because you used the word
14 recanted. If you will turn to page 124, that's where the
15 discussion begins about that condition report, correct?

16 MR. WISE: And I'm specifically, counsel, on
17 line 18.

18 MR. POOLE: Can I have the page number again,
19 please?

20 MR. WISE: Page 124, line 19.

21 THE WITNESS: 124, what line, sir?

22 MR. WISE: Nineteen.

23 BY MR. WISE:

24 Q. If you'll look back a couple pages, Mr. Ulie,
25 you'll see that this question and answer comes in context

1 of discussion of serial letter 2744. Mr. Gavula asks it
2 would be 96-551, were you aware of it at the time?

3 Answer: No.

4 Question: And the statements that were in the
5 PCAQ basically say that we can't inspect 50 percent of the
6 head and can't verify?

7 MR. WISE: Sorry, Your Honor.

8 Q. Can't verify whether we have an active leak or
9 not?

10 MR. POOLE: Your Honor, we're going to object on
11 grounds of hearsay, and I believe it's beyond the scope of
12 direct.

13 THE COURT: I don't see how it can be beyond the
14 scope of direct if it was a summary and they now have an
15 opportunity to go into the details which were summarized.
16 So that's not correct. Let's address the hearsay issue.

17 THE WITNESS: Your Honor, can I take a look at my
18 notes for one section?

19 THE COURT: Yes. Can you tell me where the
20 hearsay would be? Read that.

21 MR. POOLE: I thought he was eliciting testimony
22 about Mr. Geisen's statements about 96-551.

23 THE COURT: He's eliciting Mr. Geisen's
24 statements. Those clearly would not be subject to the
25 hearsay prohibition.

1 MR. POOLE: Respectfully, Your Honor, if they're
2 not being introduced by a party opponent -- Mr. Wise is not
3 Mr. Geisen's opponent.

4 THE COURT: Did you not introduce them
5 inferentially in the summary?

6 MR. POOLE: That's why I mentioned that I thought
7 it was beyond the scope because I don't recall asking
8 Mr. Ulie about 96-551 with respect to Mr. Geisen. I did
9 ask with Mr. Cook but not as to Mr. Geisen.

10 THE COURT: I'm going to let it proceed.
11 Overruled.

12 BY MR. WISE:

13 Q. Mr. Ulie, I'm now on page 125 at line 4 wherein
14 response to a question from Inspector Gavula that says, and
15 the statements that were in the PCAQ basically say that we
16 can't inspect 50 percent of the head and can't verify
17 whether we have an active leak or not. Mr. Geisen
18 responded, correct. I know that Prasoon knows that in that
19 particular C.R. I believe the word know should be notes,
20 right, you agree?

21 A. I don't know.

22 Q. Okay. And the next question from Inspector
23 Gavula is, when did you learn that?

24 And Mr. Geisen's response is this past fall,
25 dash, or past spring I became very knowledgeable of all the

1 past C.R.'s, correct?

2 A. Correct. And that's the one area there that I
3 was questioning.

4 Q. Is that the line that you just referred to as a
5 recantation?

6 A. Yes.

7 THE COURT: What page are you on?

8 MR. WISE: I'm on page 125, Your Honor, and that
9 was lines 8 through 10.

10 BY MR. WISE:

11 Q. Is it your testimony that when Mr. Geisen said he
12 had seen 96-551 in the past fall or past spring that you
13 believed he was initially admitting that he had seen that
14 condition report in the fall of '01 and then recanting?

15 A. It states what it states.

16 Q. Did you follow up with another question about
17 that?

18 A. No, I did not.

19 Q. If he had admitted seeing that CR in the fall of
20 2001, would that have been important to you?

21 A. Yes, it would.

22 Q. And you would have just left it out there?

23 A. There was another inspector asking a question,
24 but I could have easily have gone back to it.

25 Q. You would agree with me that Mr. Geisen told you

1 that his review of materials since the discovery of the
2 cavity had provided him with a different perspective on
3 these issues based on hindsight, correct?

4 A. Be more specific, please.

5 Q. Do you recall that he used the word hindsight
6 approximately a dozen times during your interview?

7 A. No, sir, I don't.

8 Q. Okay. Let's start with page 22. Line I,
9 counsel.

10 Mr. Geisen: No, I've had a chance to go back and
11 look at all of this, and 20/20 hindsight is always
12 wonderful, but looking at it and looking at the whole issue
13 and everything it strikes me obviously now that the rust we
14 were seeing on the filter media, I personally believe that
15 occurred as a result of when the cracks through the nozzle
16 or the J-weld probably first went through wall.

17 Do you recall that discussion?

18 A. Yes, sir.

19 Q. Page 29, line 15. That's correct. We knew we
20 had an issue we had to address, but we felt at that time,
21 based upon the age difference between us and Oconee, that
22 we were not in jeopardy. And we definitely -- and I guess,
23 you know, hindsight being 20/20, we had tunnel vision on it
24 because we were focusing on circumferential cracking.

25 Remember that conversation?

1 A. But in that particular circumstance, those plants
2 also found nozzle cracking in October --

3 Q. My question is --

4 A. -- of 2001.

5 Q. My question, Mr. Ulie, is whether you recall
6 Mr. Geisen repeatedly referring to the benefit of hindsight
7 that he had gained since the discovery of the cavity and
8 before your interview of him.

9 A. No, sir, I don't.

10 Q. You don't. Turn to page 38, please, line 8.
11 Clearly once again hindsight being 20/20, that was not the
12 case. We actually had two separate sources going on.

13 A. Which line?

14 Q. 8.

15 A. I do remember this.

16 Q. Okay. Having heard those four examples, does it
17 refresh your recollection as to whether Mr. Geisen
18 repeatedly referred to having now the benefit of hindsight
19 at the time you were interviewing him?

20 A. He did. But as I said, there are other
21 extenuating circumstances also.

22 Q. Okay. I'm not asking about the circumstances
23 now. All I'm asking you is whether when you interviewed
24 Mr. Geisen six or seven months after the cavity had been
25 found, he told you that he then looked at materials since

1 the discovery of the cavity that provided him with a
2 different hindsight-based perspective. He said that to
3 you, didn't he, repeatedly?

4 A. If the words are there, they're there.

5 Q. You would agree with me also that he was, quote,
6 critical of his own performance, correct?

7 A. On limited occasions.

8 Q. And critical of the plant's performance as well,
9 correct?

10 A. On occasion.

11 Q. But that he was adamant that he had not
12 deliberately tried to mislead the NRC, right?

13 A. That is correct.

14 Q. Let's go to some of the testimony that you
15 provided this morning in your summary. You were asked by
16 Mr. Poole what Mr. Geisen told you that he knew about the
17 state of cleaning of the reactor vessel head that was done
18 at the 10th and 11th refueling outages. Do you remember
19 that question?

20 A. Yes, I do.

21 Q. And your answer was that Mr. Geisen very --
22 strike that.

23 Your answer was yes, he did. Very specifically,
24 he said that those outages, they couldn't clean the head as
25 well as they expected for both '96 and '98 as left

1 condition, correct?

2 A. Yes, sir.

3 Q. That answer was based upon his review since the
4 discovery of the cavity, correct?

5 A. No, sir, that's not the way I understood it.

6 Q. At what point did Mr. Geisen tell you that in
7 1996 and in 1998 he knew that the head had not been
8 cleaned?

9 A. On page 183, line 8, question was asked for line
10 five following each refuel outage, was it your
11 understanding that the head had been completely cleaned.

12 Mr. Geisen: No, no. Following 10 RFO and 11
13 RFO, I knew that the deposits had been left on the head and
14 that our mechanical cleaning was not as successful as we
15 wanted it to be. That's what drove us to do the water
16 cleaning in 12 RFO, and initially coming out of the 12 RFO.
17 I was under the impression that was successful.

18 Q. Mr. Ulie, you win that one. Let's go on to the
19 next one.

20 The second question you were asked was about what
21 he told you about the 2000 12th refueling outage, correct?

22 A. Okay.

23 Q. This is where you started discussing the red
24 photo, correct?

25 A. The what?

1 Q. Red photo. You talked about it as the infamous
2 red photo?

3 A. Yes.

4 Q. That wasn't Mr. Geisen's word, right?

5 A. Probably not, no.

6 Q. That was your word?

7 A. That would be my word.

8 Q. You said on direct that Mr. Geisen said there was
9 significantly more boric acid that had occurred during the
10 12th RFO than had occurred in earlier outages based on his
11 experience and knowledge, correct?

12 A. Excuse me, one more time.

13 Q. You said in -- and your answer was that
14 Mr. Geisen said there was significantly more boric acid
15 that had occurred during the 12th RFO than had occurred in
16 earlier outages based on his experience and knowledge,
17 correct?

18 A. Correct.

19 Q. In fact, he told you that he had not seen
20 photographs of the head in 10 and 11 RFO, correct?

21 A. They were talking about 12 RFO now.

22 Q. Right. And you said that he said there were
23 significantly more boric acid than had occurred in earlier
24 outages based on his knowledge, correct?

25 A. Significantly worse than what he had seen in past

1 outages.

2 Q. Right. And I'm asking you, your testimony was
3 that he had seen what was left in past outages, correct?

4 Would you like me to rephrase it?

5 A. Please.

6 Q. Okay. Is it your testimony that Mr. Geisen told
7 you he had seen the boric acid left on the head in 10 and
8 11 or in the earlier outages?

9 A. Okay. Now, my statement about significantly
10 worse, that conversation with Defendant Geisen was
11 referring to the 12 RFO as found.

12 Q. I understand that.

13 A. Okay. All right.

14 Q. And you said that he told you that -- that he
15 thought it was significantly worse than what he had seen?

16 A. In past --

17 Q. In earlier outages?

18 A. Yes.

19 Q. And he, in fact, told you during the interview
20 that he had not seen what was left in earlier outages,
21 didn't he?

22 A. From the impression on the earlier question where
23 he was aware of, they weren't as successful in cleaning the
24 head at the end of 10 and 11 RFO. I guess the impression I
25 had was he had seen it.

1 Q. That's your impression now, right?

2 A. How else would he know?

3 Q. Well, didn't he -- didn't you, in fact, discuss
4 this exact issue with him during the interview?

5 A. I'm not sure that we did.

6 MR. WISE: Your Honor, I need The Court's
7 indulgence for a second. I thought I had written down
8 where I had this.

9 BY MR. WISE:

10 Q. Mr. Ulie, if you'll turn to page 37.

11 A. Okay.

12 Q. And turn to page -- and follow that conversation
13 to page 38 starting at line 11.

14 MR. WISE: For counsel, this goes on until about
15 page 40 in the middle of the page.

16 Q. So Mr. Ulie if you'll go there, I'm not going to
17 ask you to read this entire thing to the jury.

18 A. It's at the bottom of page 38, line 20 where I'm
19 asking Defendant Geisen, do you recall any discussions of
20 information being discussed, that this was significantly
21 worse or different than what had been seen during past
22 outages. Mr. Geisen, it was clearly obvious based on
23 pictures that we had gotten that was significantly worse
24 than what we had seen in past outages.

25 Q. Mr. Ulie, will you please read through the middle

1 of page 40 and then look up when you're done?

2 A. All right.

3 Q. Thank you.

4 A. I'm done.

5 Q. You would agree with me that you actually had
6 this exact discussion with him, correct?

7 A. Well, no. Now I think this doesn't clear it up.
8 I think that it adds more confusion.

9 Q. Let me ask you some questions and we'll see if we
10 can get through the confusion. You actually said to him
11 during this section that what he was saying didn't make
12 sense to you because how could he know that it was worse
13 unless he had a reference point, correct?

14 A. Yes.

15 Q. And he said because he assumed that had it been
16 this bad in the past, he would have seen pictures, right?

17 A. Yes, I believe --

18 Q. And then your partner specifically asked him
19 whether he saw these materials, and now we're on page 40,
20 correct?

21 A. Now we're at -- now we're at 12 RFO, and he's
22 making a -- he's describing the seriousness of the boric
23 acid deposits that he's viewing during the 12th RFO.

24 Q. Page 40, line 8, question from you: Were you in
25 a position during past outages for the 10th and

1 11th refueling outages if there were pictures to have seen
2 them?

3 Answer, Mr. Geisen: Only if I seeked them out.
4 Like I said, in the 10th RFO, unfortunately, I was
5 preoccupied trying to get ready for the final throws at my
6 SRO exams and everything. Then the 11th RFO, I was working
7 on the reactor vessel, not the vessel, but working in the D
8 rings rebuilding motors, and it's not to say the
9 information is not available if you seek it out. The
10 photos and stuff were readily available, I just didn't make
11 a conscious decision to go and seek that stuff out.

12 Correct?

13 A. Now there's an inconsistency there with what he
14 had said from pages 183 to right here for 10 and 11.

15 Q. I'm not asking you if you think there's an
16 inconsistency with another part. I'm asking you, didn't
17 you have a conversation with him in the pages we just read
18 about this very question?

19 A. The very question being?

20 Q. Had he seen pictures during 10 and 11 RFO?

21 A. Yes, but now going back to 12.

22 THE COURT: The question's --

23 A. I'm sorry.

24 BY MR. WISE:

25 Q. Mr. Poole asked you questions about Mr. Geisen's

1 review of a condition report during 12 RFO and removal of
2 the condition report from the mode restraint. Do you
3 remember those questions?

4 A. Yes.

5 Q. And you said that Dave Geisen acknowledged
6 signing the mode restraint because he heard that cleaning
7 was scheduled and was based on his understanding that the
8 work was going to be completed in the future, right?

9 A. That's my understanding.

10 Q. Actually, the discussion about this topic in your
11 interview of Mr. Geisen covered ten pages, right? Don't
12 remember?

13 A. No.

14 Q. Turn to page 43, please. If you look then to
15 page 53, I think you'll see that you were still talking
16 about the same topic. Do you agree with me that he talked
17 about this for about ten pages?

18 A. At this point, yes.

19 Q. Do you want to read the whole thing?

20 A. I guess the bottom line is what -- what's the
21 bottom line?

22 Q. Well, here's the bottom line, your testimony was
23 that what he said was he signed the mode restraint because
24 he heard the cleaning was scheduled and understood the work
25 was going to be done in the future, correct?

1 A. Generally, yes.

2 Q. And he said actually much more than that, right? .
3 First he talked about how he evaluated condition reports,
4 correct?

5 A. Okay. We asked him that.

6 Q. Then he talked about the difference between
7 condition reports and mode restraints, correct?

8 A. We discussed that with him.

9 Q. Then he reviewed -- then he said he reviewed
10 thousands of condition reports and didn't distinctly
11 remember the review of this condition report, correct?

12 A. Don't know.

13 Q. Page 45, line 7. If it came through when I was
14 on that board, yes. I don't distinctly remember. There's
15 been thousands of condition reports that have gone through.
16 I don't distinctly remember this particular one. Right?

17 A. Okay.

18 Q. Then he told you about how the mode restraint
19 list is resolved, right?

20 A. Yes.

21 Q. Then he told you about a policy about closing
22 condition reports to corrective action documents, correct?

23 A. Yes.

24 Q. And then he told you that the condition report
25 that you were asking him about was duplicative of another

1 condition report CR 1037 at the same time, right?

2 A. That's correct.

3 Q. He told you that he viewed the two condition
4 reports as doing the same job and the corrective action was
5 cleaning the head, correct?

6 A. Yes.

7 Q. Which he believed was going to be done, right?

8 A. That's right.

9 Q. And the conversation concluded with you saying
10 that his comment about it being duplicative hit it on the
11 head, right?

12 A. I believe so.

13 MR. POOLE: Do you have a page and line number
14 for that, please?

15 MR. WISE: Page 53, line 14.

16 BY MR. WISE:

17 Q. Agent Ulie, my impression when I read 1037, I
18 think your comment hit it on the head before when you said
19 that there seems to be some repetition between the two.
20 Correct? Did I read that correctly, Mr. Ulie?

21 A. I believe so.

22 Q. You would agree with me that your conversation
23 with Mr. Geisen on this topic was much more than just he
24 signed off on it because he thought the work was going to
25 be done, right?

1 A. I don't think that I ever intended to say that
2 that's all that it was.

3 Q. Okay. Then you were asked by Mr. Poole about an
4 e-mail of August 11th. Do you recall that conversation?

5 A. Yes.

6 Q. It was the e-mail dealing with the meeting that
7 Mr. Geisen did not attend?

8 A. Correct, but he was CC'd.

9 Q. But was CC'd on the e-mail about it, right?

10 A. That's correct.

11 Q. And when talking about that e-mail and what
12 Mr. Geisen said about it, you said he didn't really address
13 other question with respect to the past inspections, right?

14 A. If that's what the transcript says he said, then
15 that's what he said.

16 Q. Do you recall saying that?

17 A. No.

18 Q. Well, let me ask you this, and don't take this as
19 a personal criticism because the jury has heard the -- by
20 the way, I ask questions sometimes, but your question to
21 him in this situation which was at page 72 was more than a
22 page long, right, and involved handing him two documents to
23 look at, correct?

24 A. Yeah, I believe so.

25 Q. And the first part of his answer, which is at

1 page 73, was that he was trying to figure out where to
2 start with the answer, right?

3 A. That's true. I was also trying to give him an
4 explanation of where I was coming from.

5 Q. I understand.

6 A. But I agree, it was lengthy. He knew it, I knew
7 it.

8 Q. And his answer, true to form, was longer than
9 your question, right?

10 A. I don't doubt that.

11 Q. Okay. First he talked about how he was focused
12 on the 13th refueling outage, correct?

13 A. Yes.

14 Q. And about how he knew that they had sought the
15 use of a crawler in order to do a more effective
16 inspection, right?

17 A. Right.

18 Q. And then you asked him again about the past,
19 right?

20 A. About the past? Past what?

21 Q. On page 76, you redirect him and say the NRC is
22 asking in historical sense, look at what your past
23 inspections were to justify to continue to operate until
24 the end of the year, correct?

25 A. Yes.

1 Q. And this is where Mr. Geisen uses the phrase that
2 you've quoted before about technical arrogance, correct, on
3 page 77?

4 THE COURT: Line 9?

5 BY MR. WISE:

6 Q. Right. What he does is he gives you a long
7 answer about how the plant was focused on flange leakage,
8 correct?

9 A. That's correct.

10 Q. And was employing what he describes as technical
11 arrogance, correct?

12 A. Correct.

13 Q. And why they missed the issue that you were
14 suggesting that the bulletin was asking about, correct?

15 A. That is correct.

16 Q. He uses we throughout this response, correct?

17 A. He is there, yes.

18 Q. And he's talking about 2731, right?

19 A. Yes, we're talking about that time frame.

20 Q. And we've agreed that throughout the interview,
21 he also talked about how he did not take part in drafting
22 2731, right?

23 A. But he did sign off on it.

24 Q. But did not involve himself in the drafting of
25 it, right?

1 A. That's correct, but his position did require him
2 to be knowledgeable.

3 Q. Okay. But in this part of the transcript, what
4 he's talking about is what we were doing when we put
5 together our response to the bulletin, right? And the we
6 he's referring to in this situation certainly did not
7 include him, right?

8 THE COURT: Do you want that read back? Did you
9 mean what you just said the we doesn't include him?

10 MR. WISE: I actually think that time I got it
11 right.

12 BY MR. WISE:

13 Q. The point is, Mr. Ulie, that when Mr. Geisen was
14 talking about we in that paragraph, he was talking about
15 actions that he had not been directly involved in, i.e, the
16 drafting of that bulletin response, right?

17 A. I don't know that to be a fact.

18 Q. Mr. Poole then asked you about on August 17th
19 e-mail from Mr. Goyal to Mr. Fyfitch, do you recall that?

20 A. Yes.

21 Q. And you described how Mr. Geisen spoke about that
22 e-mail but did not address the comment about the
23 possibility of nozzle leakage, right?

24 A. That's correct.

25 Q. In fact, during the interview, he spoke at length

1 about the nozzle leakage reference but said it had to be
2 taken in context of the larger discussion about cracked
3 growth rates, correct?

4 A. What page?

5 Q. 96, line 8.

6 A. And then what was your question again?

7 Q. The question was he did, in fact at length,
8 discuss nozzle leakage but said that it had to be taken in
9 the context of a larger discussion about crack growth
10 rates?

11 A. Yes, that's what he said, but I'm still not
12 satisfied that that answers the entire question.

13 Q. Well, let's get into that because you were the
14 one doing the interview, right?

15 A. Talking about the August 11th?

16 Q. I'm talking about the interview you did of
17 Mr. Geisen.

18 A. And I'm talking about the specific document that
19 we had talked about during that interview.

20 Q. To the extent that you were concerned that he
21 hadn't answered a question, you had the ability to ask as
22 many follow up questions as you wanted, right?

23 A. Correct.

24 Q. He was there for four-and-a-half hours, right?

25 A. That's right.

1 Q. And he did discuss, you would agree with me,
2 specifically on page 97, the fact that the nozzle leakage,
3 part of that e-mail had -- for him, had to be taken in
4 context, correct?

5 A. And that was his response.

6 Q. And you testified this morning that he didn't
7 talk about the nozzle leakage issues when he addressed the
8 comment?

9 A. No, there were other aspects in there, there were
10 some verbiage in there that Praseon Goyal had put in there
11 that you can't clean their head, and that Andrew Siemaszko
12 was requesting three large holes for the modification to
13 enlarge the access ports.

14 Q. And what he told you was that as he looked back
15 on that e-mail, the context he would have read it in would
16 have been about 13 RFO, correct?

17 A. He was looking to the future, that's correct.

18 Q. And you don't agree with that interpretation,
19 correct?

20 A. Well, the point was we were talking about 1D.
21 First, to answer your question, yes, that's --

22 Q. Okay. You don't agree but you would acknowledge
23 that he spoke about that issue?

24 THE WITNESS: Your Honor, I'd like to finish my
25 answer if I could.

1 Q. It was a yes or no question. I can ask it again.

2 THE COURT: Please.

3 BY MR. WISE:

4 Q. You said I knew I shouldn't have made a promise I
5 couldn't keep. You said in your testimony that he didn't
6 speak about nozzle leakage, right?

7 A. He didn't answer the question at the time.

8 Q. Your view is he didn't answer it clearly enough,
9 right?

10 A. Clearly enough, that's --

11 Q. You would agree with me that he spoke about the
12 subject?

13 A. He was talking about the future, and the issue we
14 were talking about has to do with I.D, the past.

15 Q. Line 14, page 97, well, when we were asking is it
16 possible to go back to 1998, we were saying could we apply
17 those cracked growth rates all the way back to 1998 and say
18 that we were still good to go in the next refueling outage.

19 Special Agent Janicki: Okay, Mr. Geisen, I guess
20 you have to look at the whole paragraph.

21 He said those words, correct?

22 A. Yes, he did, but that doesn't make it right.

23 Q. I'm not asking you if you think he was right.
24 I'm asking you if he said those words, and he did say those
25 words, correct?

1 A. That's correct, he said those words.

2 Q. Now, thank you.

3 A. But it doesn't make it right.

4 THE COURT: You can't -- this is on a transcript
5 and what the transcript reflects. You answer the
6 questions. No editorializing.

7 THE WITNESS: Yes, sir.

8 THE COURT: Mr. Poole will have the opportunity
9 on redirect.

10 BY MR. WISE:

11 Q. It's also clear -- it was also clear to you at
12 the time that you were interviewing him that what
13 Mr. Geisen was trying to do was give you his interpretation
14 of what this e-mail meant, correct?

15 A. Possibly.

16 Q. And he was giving it to you as he sat there and
17 read it in a hotel in October of 2002, right?

18 A. Sure.

19 Q. He certainly never said to you, I have a distinct
20 recollection of this e-mail and I remember what I was
21 thinking at the time, did he?

22 A. Not for any of the e-mails, that's correct.

23 Q. In fact, what he said to you on line 25 on page
24 96 was, I guess at the time when I read this, it was
25 clearly obvious to me what we were asking for, correct?

1 A. What line are you on?

2 Q. Line 25 of page 96.

3 A. Yes.

4 Q. And when he said what we were asking for, you
5 know he was talking about an e-mail from Prasoon to
6 Fyfitch, correct?

7 A. I'm really not sure.

8 MR. WISE: Your Honor, at the risk of being very
9 rude, could I ask to borrow The Court's copy of 36? It
10 does not appear to be in our books.

11 Q. Mr. Ulie, I have up on the screen Government's
12 40. Do you recognize that as the exhibit we've been
13 talking about?

14 A. I thought we were talking about the
15 August 11th exhibit.

16 Q. Well, let me just ask you this, what we've been
17 talking about is the e-mail from Prasoon to Mr. Fyfitch,
18 correct?

19 A. That would be this one.

20 Q. That is this one, right?

21 A. It is. I just thought it was one from Prasoon
22 that went to several people, including CC, Mr. Geisen.

23 Q. Okay. I may have misspoken. If I misled you, I
24 apologize. So let me go back to our discussion and make
25 sure we're on the same page. When you were talking to Mr.

1 Poole about the -- about this e-mail that's up on the
2 screen now --

3 A. I see.

4 Q. -- from Mr. Goyal to Mr. Fyfitch, this was the
5 document about which you spoke with Mr. Geisen, correct?

6 A. That's correct, but I guess this is where we got
7 off on the wrong foot to begin with.

8 Q. And this is the document about which you said
9 that Mr. Geisen didn't speak about the possibility of
10 nozzle leakage, correct?

11 A. Well, again, like I said, this is the source of
12 our difference.

13 Q. Okay.

14 A. I was mentally thinking August 11th, not this --

15 Q. I apologize, I think that was my mistake and I
16 apologize. Let's clear the deck and we'll try to work
17 efficiently through this e-mail okay?

18 A. All right.

19 Q. When Mr. Poole spoke with you about this e-mail,
20 this was the e-mail about which you said, when we talked to
21 Mr. Geisen, he did not address comments about the
22 possibility of nozzle leakage, correct?

23 A. Okay.

24 Q. And that's what he was speaking with him about on
25 pages 96 and 97, right?

1 A. Is there a reference to this e-mail in our
2 transcript at all?

3 Q. Well, if you'll go back to page 95 at line 8, you
4 will see that Special Agent Janicki --

5 A. Okay.

6 Q. -- hands Mr. Geisen an August 17th e-mail.

7 A. With Fyfitch's name.

8 Q. Correct. We're talking about the same e-mail?

9 A. Sure.

10 Q. This is the e-mail from Mr. Goyal to Mr. Fyfitch?

11 A. Okay.

12 Q. Now, we've already discussed the part of the
13 transcript where you believe he gave an unsatisfactory
14 answer, but would you agree with me that he spoke about
15 nozzle leakage saying that you needed to look at it in the
16 context of the larger discussion, correct?

17 A. Correct.

18 Q. Okay. And we've already talked about how it was
19 clear that Mr. Geisen was interpreting this e-mail for you
20 based upon his view in October of 2002, correct?

21 A. Correct.

22 Q. And that what he was doing in giving you his
23 interpretation was saying that he guessed -- what he said
24 was, I guess at the time when I read this, it was clearly
25 obvious to me what we were asking for, correct?

1 A. That's what he said.

2 Q. And when he says we, he is referring to an e-mail
3 sent by Prasoon Goyal, correct --

4 A. Yes.

5 Q. -- to Steve Fyfitich, right?

6 A. Yes, I would agree.

7 Q. And is speaking about we again for a document he
8 did not write, correct?

9 A. Correct.

10 Q. Thank you. And I'm sorry if there was any
11 confusion. In that same question, Mr. Poole asked you if
12 Mr. Geisen said why 2731 did not say that nozzles were
13 obscured. And your answer was, to the best of his
14 knowledge, it was not done intentionally, correct?

15 A. Who said that to the best of their knowledge?

16 Q. You said that Mr. Geisen told you to the best of
17 his knowledge it was not done intentionally?

18 A. Okay.

19 Q. Right?

20 A. Yes.

21 Q. In fact, not only did he tell you that to the
22 best of his knowledge it wasn't done intentionally, but he
23 told you repeatedly that he hadn't had anything to do with
24 it, correct?

25 A. That I don't remember.

1 Q. Well, for two pages, he told you that he would
2 guess about why things were in there. Let me direct you to
3 page 118. We're speaking, at this point, about language
4 change and the response about the 2-inch gap and whether it
5 will impede a visual examination -- inspection, correct?

6 A. Yes.

7 Q. And there are questions about why was that
8 changed. Mr. Geisen says, I would guess that the reason is
9 just pure grammar. I don't claim to be the best grammar
10 expert. My wife would vouch for that. But the first part
11 of this sentence is written in the present tense and the
12 last half being in the future tense, and by changing it,
13 you make it all present tense. That would be my guess.
14 Right?

15 A. That is what is in the transcript.

16 Q. And in fact, he then goes on for about two more
17 pages guessing about what the regulatory affairs group
18 likes. In fact, he guesses so much that on page 119 at
19 line 17, Special Agent Janicki says, okay, but I guess to
20 me it also says that not all the head was inspected either,
21 correct?

22 A. That is correct.

23 Q. She then asked Mr. Geisen on page 120 why this
24 language isn't in the final September 4th version.

25 Mr. Geisen says, I don't know. She says, was it

1 intentional, do you know? He says, not that I'm aware of,
2 but that would just be a guess on my behalf. She says,
3 would you have been responsible for any role in removing
4 that particular sentence? He says no. And on and on they
5 go, correct?

6 MR. HIBEY: I'm sorry, I didn't hear the answer.

7 BY MR. WISE:

8 Q. I guess, Mr. Ulie, on and on they go is not a
9 very precise question. Let me put it to you this way:
10 Throughout this discussion, Mr. Geisen's describing what he
11 guesses was going on with 2731, although saying that he had
12 no direct involvement in whether that particular language
13 was in or out of that document, that's fair, right?

14 A. Based on the transcript, yes.

15 Q. Mr. Poole asked you whether you asked Mr. Geisen
16 whether the bulletin responses were based on information --
17 we're talking about videos now -- whether the information
18 was based on view of past reports or videos, and your
19 answer was that Mr. Geisen told you that the information
20 presented was based solely on the videos and that was it,
21 correct?

22 A. That's correct, based on the video inspections.

23 Q. He talked about this with you at page 129, line
24 7. You asked him who were the other people that were
25 involved that you do know with respect to, you say, doing

1 the other inspections. His answer was, over the years, the
2 inspections had been done by Pete Mainhardt, Ed Chimahusky,
3 Prasoon Goyal and Andrew himself. And that's Andrew
4 Siemaszko, correct?

5 A. Correct.

6 Q. You asked, and were all of those individuals
7 involved in this information that was provided to the NRC
8 last fall. His answer was, I don't know if every single
9 one of them was but the majority of them were. You asked,
10 who else do you know was?

11 THE COURT: No, reread that, please.

12 MR. WISE: Sorry.

13 BY MR. WISE:

14 Q. Who do you know was. And his answer was, I know
15 for a fact Prasoon was on the greensheet review. I know
16 Andrew was involved with it. I know Mark was involved with
17 it. I don't know that it actually went back to Mainhardt
18 and Chimahusky for review, but I know they were consulted
19 by Andrew because he told me so.

20 On 130, you asked, do you recall what
21 specifically he said he consulted them about, consulted
22 with them about.

23 And he answered, he asked them regarding the
24 visual inspections, he talked to them about those and what
25 was their recollection of the inspections and what did they

1 remember of it. Do you see that testimony?

2 A. I see that part, yes.

3 Q. He did not tell you that the information about
4 the individual -- about the inspections was based only on
5 review of the videos, did he?

6 A. On page 30, line 14, I had asked him when did you
7 first learn that visual inspection of the entire head had
8 not been done during the past Davis-Besse reactor vessel
9 head inspections. Mr. Geisen, well, that was kind of on an
10 interim basis. We started putting together the reviews.
11 What happened is we had looked at the videos and we had
12 made some determination based on those video inspections.
13 And that information was put in the initial bulletin
14 response, and then after being approached with, hey, we
15 feel like you need to shut down, and we weren't sure where
16 that was coming from, we ended up looking at every possible
17 thing, kind of a shotgun approach to our initial response
18 that basically put as much information as we could into a
19 subsequent response.

20 Q. Mr. Ulie, you told Mr. Poole when he asked you
21 that the information presented to the NRC about past
22 inspections was based solely on the videos according to
23 Mr. Geisen, right?

24 A. Based on those video inspections.

25 Q. And the page that I just read you was Mr. Geisen

1 describing all of the conversations that he believed Andrew
2 Siemaszko had with others that had been involved in
3 inspections as well, correct?

4 A. Again, on page 130, Mr. Geisen is saying, I just
5 knew that with regard to the videos that he was reviewing.
6 He had conversations with those guys. As far as the actual
7 details of what questions were asked or anything, I don't
8 know.

9 Q. He had conversations with those guys?

10 A. But they're talking about the videos.

11 Q. So you would agree with me that according to
12 Mr. Geisen when he spoke with you, the information about
13 the inspections was based on review of the videos and
14 conversations with people that had been involved in the
15 inspections, that was his understanding, correct?

16 A. I believe that's fair.

17 Q. Mr. Poole asked you about Mr. Siemaszko and who
18 his supervisor was, and you said design engineering has
19 control over plant systems, and Andrew Siemaszko was a
20 subordinate of Dave Geisen, correct?

21 A. That's my understanding, that's right.

22 Q. How long have you worked on this investigation?

23 A. Five years.

24 Q. And Andrew Siemaszko, you would agree with me, is
25 a central figure in this investigation, right, one of three

1 central figures in this investigation, right?

2 A. That's correct.

3 Q. And is it your testimony that you believe that
4 Dave Geisen was his direct supervisor?

5 A. I never said direct.

6 Q. You did say the design engineering has control
7 over design as well as plant systems, right?

8 A. Correct, that's my understanding, that design
9 engineering has -- has control over both the plant systems
10 as well as design engineering.

11 Q. And that Mr. Siemaszko is not a direct
12 subordinate of Mr. Geisen?

13 A. No, that's correct.

14 Q. So when you said -- just to clarify, Mr. Poole
15 asked, is it your understanding that Andrew Siemaszko was,
16 for ordinary purposes at the plant, a subordinate of Dave
17 Geisen, and you said, yes, sir, that was wrong?

18 A. My point is that my understanding is that Andrew
19 would have been two levels below Mr. Geisen.

20 Q. Two levels below Mr. Geisen?

21 A. Yes.

22 Q. Not two levels below Dave Eschelman?

23 A. In the direct line, within that direct line.

24 Q. Would you say it is incorrect to say that
25 Mr. Siemaszko's direct supervisor at the relevant time, and

1 I mean 2001, was John Cummings?

2 A. Yes.

3 Q. And his manager was Dave Eschelman?

4 A. Okay. That makes sense.

5 Q. You were asked by Mr. Poole whether you asked
6 Mr. Geisen about the impact of boric acid deposits on 13
7 RFO examinations. Do you remember that question?

8 A. Can you repeat that?

9 Q. Yes. Question was: The jury has seen evidence
10 of presentations at meetings made by Mr. Geisen that said
11 that 13th refueling outage, there would be a qualified
12 visual examination. Did you ask him about the impact of
13 these boric acid deposits on the examinations. Do you
14 remember that question?

15 A. No, I don't.

16 Q. Do you remember telling Mr. Poole you couldn't
17 recall that you specifically asked Mr. Geisen that
18 question?

19 A. No, I don't.

20 Q. Okay. Turn to page 78.

21 MR. WISE: Counsel, I'm at line 12. And
22 Mr. Ulie, if you will read with me quickly from page 78,
23 line 12 through page 81 at line 22. Would you agree with
24 me, sir, that Mr. Geisen in those three pages spoke at
25 great length about his -- how his assumptions for 13 RFO

1 was that Davis-Besse would do nine destructive examinations
2 for all obscured nozzles pursuant to a policy that they
3 were implementing?

4 A. You're reading from 77 through 79?

5 Q. I'm sorry?

6 THE COURT: 78 through 80.

7 MR. WISE: 81, thank you.

8 A. And your point?

9 Q. My point is that through these three pages, he's
10 talking about his expectations for the 13th refueling
11 outage, correct?

12 A. Correct.

13 Q. That he believes that Davis-Besse is going to do
14 visual examinations, and where nozzles are obscured, going
15 to do non destructive examinations, correct?

16 A. That's correct.

17 Q. And for that reason, it's his understanding at
18 the time that the future inspection will not be interfered
19 with by the existence of boron, correct?

20 A. That was not clear to the NRC.

21 Q. I'm not asking if it was clear to the NRC. I'm
22 asking if he said those words when you interviewed him.

23 A. He did.

24 Q. And he, in fact, acknowledged that it could have
25 been worded better, but that was the way he meant it and he

1 took it, correct?

2 A. But that's not the way it was in the letters to
3 the NRC.

4 Q. Mr. Ulie, your testimony here --

5 THE COURT: No, no, excuse me. It's not what you
6 believe. It's what was represented in the discussions as
7 set forth in the transcript. So the rest will be on
8 redirect.

9 THE WITNESS: I understand.

10 THE COURT: Thank you.

11 BY MR. WISE:

12 Q. That is what he said, correct?

13 A. Correct.

14 Q. What Mr. Poole asked you about the issue of
15 flange leakage. Part of your answer was that Mr. Geisen
16 told you that the mindset at Davis-Besse was one of
17 technical arrogance, right?

18 A. It seems like that was a different question.

19 Q. Well, did he make any other general comments
20 about flange leakage, flange leaking and its significance
21 to their inspections?

22 Answer: Well, he talked about there was a
23 mindset at Davis-Besse of what he stated technical
24 arrogance.

25 Do you recall that?

1 A. Yes.

2 Q. You would agree with me that when he made the
3 reference to technical arrogance, he was not boasting,
4 right?

5 A. He was talking about flanges.

6 Q. He was not proud of what he described as
7 Davis-Besse's technical arrogance, correct?

8 A. That I can't answer.

9 Q. You can't answer that?

10 A. No.

11 Q. Did you get the sense that Mr. Geisen was proud
12 of what he described as their technical arrogance?

13 A. He was talking about flanges.

14 Q. When people talk about having blinders on or
15 having tunnel vision, do you consider them to be
16 complimenting themselves?

17 A. He was talking about flanges at the time.

18 Q. My question, Mr. Ulie, is did you think that
19 Mr. Geisen saw technical arrogance as a positive or a
20 negative?

21 A. As a negative.

22 Q. And in fact, he told you that this was a
23 career-changing event for him, correct?

24 A. Correct.

25 Q. You are aware that he lost his job at

1 Davis-Besse, correct?

2 A. Correct.

3 Q. Did you think he was talking about that as a
4 positive or a negative?

5 A. As a negative.

6 Q. You also said that Mr. Geisen said he had not
7 directed anyone to look at the flange leak videos, nor had
8 he any knowledge that there was anyone looking at the
9 flange results. Do you remember that testimony?

10 A. Yes, I do.

11 Q. In fact, he spoke to you during the interview at
12 great length about what he understood was going on in terms
13 of the analysis of the flange leaks, didn't he?

14 MR. WISE: Counsel, I'm at page 125, line 17.

15 BY MR. WISE:

16 Q. Throughout this passage, Mr. Geisen's talking
17 about the compilation of information communicated to the
18 NRC about flange leakage, right?

19 A. I don't know.

20 Q. Can you read it with me starting at page 125,
21 line 17, Inspector Gavula's question, okay, let's go to the
22 11 RFO head map. Again, sorry to run you back and forth.

23 Mr. Geisen says okay.

24 Mr. Gavula says it's going to be several pages.

25 Mr. Geisen says 11 RFO.

1 Mr. Gavula says 11 RFO, yes.

2 Mr. Geisen says okay.

3 Mr. Gavula says on that head map, there are five
4 nozzles that have stars around that area, apparently
5 indicating that those are leaking flanges.

6 Mr. Geisen says uh-huh.

7 Mr. Gavula says is that true in 11 RFO, were
8 there five leaking flanges in that outage?

9 Mr. Geisen: I believe that's correct, yes.

10 Mr. Gavula: Where would that information have
11 come from?

12 Mr. Geisen: The individual who was doing the
13 inspections during that year.

14 Mr. Gavula: Who would have generated this?

15 Mr. Geisen: This would have been generated from
16 Mark McLaughlin.

17 And this goes on for two more pages, correct, all
18 the way to page 129, right, Mr. Ulie?

19 A. If you say so.

20 Q. Well, if you have doubts about it, the transcript
21 is in front of you, right?

22 A. I see different verbiages in front of me.

23 Q. You don't see a discussion about who the
24 information about flange leakage was being compiled by?

25 A. I see on page 144 --

1 Q. I'm not on 144, Mr. Ulie.

2 A. Where Mr. Geisen says, I didn't view any of the
3 flange inspections. My reviews were directly of -- under
4 the head insulation.

5 Q. That wasn't my question either, sir. My question
6 was that Mr. Geisen spoke at length about who he believed
7 was compiling information about the flange inspections.
8 And he did speak at length about that with you, didn't he?

9 A. We spoke about flanges, that's correct.

10 Q. The last question that Mr. Poole asked you was
11 about Mr. Geisen's responsibility or ownership of
12 Mr. Siemaszko's work, correct? Do you remember those
13 questions?

14 A. Yes.

15 Q. And you said that it was Mr. Geisen -- Mr. Geisen
16 acknowledged that it was his responsibility to verify the
17 accuracy of Mr. Siemaszko's work, right?

18 A. Yes.

19 Q. In fact, he said quite a bit more than that,
20 didn't he? You would agree with me that Mr. Geisen was
21 very self critical of him, of his performance, correct?

22 A. In certain areas.

23 Q. That he said he should have done a better job
24 ensuring the accuracy of the material he passed onto the
25 NRC, correct?

1 A. I don't remember that.

2 Q. Page 173. Start with Mr. Gavula's question at
3 line 16. So the question is, who was supposed to check to
4 ensure the accuracy of that information?

5 Mr. Geisen: That would probably have been me.
6 Had I done probably a better job of checking that
7 information, I probably would still be in my job that I was
8 in previously.

9 Do you recall that?

10 A. Parts of that.

11 Q. That's all I have. Thank you.

12 MR. GORDON: I would like a short break, if I
13 may, before we start, five minutes.

14 THE COURT: Five minutes. If you wish to go
15 upstairs, you may remembering my previous admonitions.

16 (A brief recess was taken.)

17 CROSS EXAMINATION

18 BY MR. GORDON:

19 Q. Good afternoon, Mr. Ulie.

20 A. Good afternoon.

21 Q. Mr. Ulie, you -- you have a transcript of
22 Mr. Cook's interview with you there?

23 A. No, sir, I don't.

24 MR. GORDON: May I have a moment, please,
25 Mr. Ulie?

1 BY MR. GORDON:

2 Q. I'm going to hand you a copy of a document we've
3 marked for identification as Defendant's Exhibit 18.

4 A. Thank you.

5 Q. Is that the transcript of the interview that you
6 and your colleagues conducted with Mr. Cook --

7 A. Yes, sir.

8 Q. -- in October of 2002; is that correct?

9 A. October 4th, yes.

10 Q. And you were accompanied in that interview, were
11 you not, by Mr. Gavula and Ms. Janicki?

12 A. Yes, sir.

13 Q. Now, when you began that interview with Mr. Cook,
14 you did not advise him, did you, that the interview was
15 part of a criminal investigation?

16 A. No, sir, it's not our standard practice.

17 Q. Right. You told him it was part of a
18 fact-finding investigation surrounding the Davis-Besse
19 reactor; is that correct?

20 A. That's correct.

21 Q. I noticed when you were talking to Mr. Wise that
22 you occasionally were able to refer to your notes and come
23 up with page references into the transcript of Mr. Geisen's
24 interview. Do you have similar references in your notes
25 for Mr. Cook?

1 A. I do, sir.

2 Q. You discussed with Mr. Poole this morning
3 Government Exhibit 107. And you said you had a discussion
4 with Mr. Cook about that exhibit. Do you recall that?

5 A. I remember that exhibit number.

6 Q. Can you consult in your notes and tell me where
7 in that transcript the discussion of Exhibit 107 occurred?

8 A. It's with regard to a document dated
9 October 22nd, 2001.

10 Q. Where in the transcript of the interview did that
11 discussion with Mr. Cook occur? It may be there. I
12 couldn't find it, so if you can, direct me.

13 A. I understand. I don't have it listed on my
14 sheet, but I -- I will get it and pass it on.

15 Q. Would it be fair for us to assume, sir, that if
16 there is no discussion in the transcript of Exhibit 107,
17 that you were mistaken this morning when you told Mr. Poole
18 that you discussed it with Mr. Cook?

19 A. That would be fair, but I -- I have a high level
20 of confidence --

21 Q. But as we sit here today, you can't direct us to
22 where that discussion --

23 A. I cannot.

24 Q. Now, Mr. Poole asked you this morning about
25 Mr. Cook's -- whether Mr. Cook was familiar with the boric

1 acid corrosion control procedure. Do you recall that?

2 A. Yes.

3 Q. And you answered -- you referred to a prior tour
4 that Mr. Cook had done at Davis-Besse in connection with an
5 event known as the RC2 event? Do you remember that?

6 A. Yes, sir.

7 Q. And then you said -- and this is at page 38 of
8 this morning's transcript at lines 4 through 8. You said,
9 and it's during that writing process that Defendant Cook
10 was on site and was requested to assist or help in writing
11 that response for the NRC.

12 Mr. Cook did tell you that in his interview,
13 didn't he?

14 A. Yes, sir.

15 Q. And then you said this morning, so to that
16 extent, he had, they had some knowledge of boric acid
17 corrosion control but no formal training that I'm aware of.

18 Mr. Cook did not tell you that, did he?

19 A. No, sir, he did not.

20 Q. That was your own extrapolation, your own
21 judgment?

22 A. That's correct.

23 Q. Nothing Mr. Cook said?

24 A. That's correct.

25 Q. Do you recall Mr. Poole asking you this morning

1 about whether Mr. Cook had reviewed PCAQ 96-551 during the
2 period of time that the bulletin responses were in
3 preparation?

4 A. Yes, sir.

5 Q. And you testified that he had, correct?

6 A. Yes, sir.

7 Q. Mr. Poole asked you, did he indicate -- he
8 Mr. Cook, indicate whether he had reviewed PCAQ 96-551.
9 And you answered, yes, sir, he made a statement to us that
10 he knew that he had seen 96-551 in either October or
11 November time frame.

12 Do you remember giving that testimony?

13 A. Yes, sir, I do.

14 Q. In fact, that's not the only thing Mr. Cook told
15 you about whether he had reviewed condition reports of
16 PCAQs, is it?

17 A. No, I don't think that was the only thing I
18 stated either this morning.

19 Q. But that's the part you chose to tell Mr. Poole
20 when he asked you the question?

21 A. Well, I thought I said more, but --

22 Q. Did you tell Mr. Poole that -- that Mr. Cook had
23 also said that he had not seen any CR's until the spring of
24 2002?

25 A. Maybe not in so many words, but I --

1 Q. Go ahead:

2 A. But I thought I did say that --

3 Q. Mr. Cook did tell you that, didn't he?

4 A. Yes, sir, he did. I thought I also had said that
5 with respect to 1998 and 2000 that Mr. Cook had made
6 reference to those two condition reports, and then he
7 withdrew shortly thereafter during the same conversation
8 that he had not seen those during the fall of 2001, but,
9 rather, after the AIT was on site.

10 Q. You say he withdrew. What do you mean by that,
11 sir?

12 A. Recanted what he had said earlier.

13 Q. And that's your recollection of the conversation
14 you had with Mr. Cook about PCAQ 96-551?

15 A. In a general sense, yes, sir.

16 Q. So you recall that he -- he initially told you
17 that he had seen it in the fall and then he changed his
18 mind? Is that your recollection of your testimony?

19 A. My recollection is that he said that he knew that
20 he had seen 96-551 in October or November of 2001, and that
21 he had also seen the 1998 and the 2000 condition reports,
22 but that he immediately thereafter said that he had not --
23 he knows he would not have seen those condition reports
24 because he was talking to the people who had actually done
25 those inspections.

1 Q. Well, let's see what he actually said.

2 A. Okay.

3 Q. At page 87 of the transcript beginning at lines
4 21 carrying over to the next page, you asked Mr. Cook the
5 following: During the bulletin review process, had you
6 been aware of the results from either 10 or 11 RFO control
7 rod drive flange inspections?

8 Mr. Cook: Only to the extent that they were
9 explained and what Andrew and Prasoon provided to me as to
10 the source of the boric acid leakage to the head.

11 Did I read that correctly?

12 A. Yes, sir.

13 Q. And then you asked, but the actual documents, the
14 inspection related condition reports for PCAQs, had you
15 seen those?

16 Mr. Cook answered no, correct?

17 A. Correct.

18 Q. Would you agree with me, sir, that PCAQ 96-551
19 related to the 10th refueling outage?

20 A. Yes, sir, I would.

21 Q. And on page 96 of the transcript at line 23, in
22 the middle of another question, you said to Mr. Cook, I
23 know you said you hadn't seen the actual inspection result
24 information -- actual inspections information. And we
25 talked about 10. With respect to the 1998 control drive --

1 control rod drive flange inspection, do you know if the NRC
2 was informed that there was only one flange.

3 But you acknowledge in that question that he had
4 already told you that he hadn't seen those reports, didn't
5 you?

6 A. No, sir, I'd say that I'm acknowledging what he's
7 saying, but I'm not acknowledging that as a matter of fact.

8 Q. You said that you knew that he had said he hadn't
9 seen them. And up until that point in the interview,
10 that's all he said, isn't it, that he had not seen those
11 reports? That's all he said on this subject; isn't that
12 right?

13 A. Well, no, sir, that's not all he said in this
14 report.

15 Q. Up until page 96 of this interview, Mr. Cook had
16 never said that he had seen these PCAQs or condition
17 reports during the period you were talking about; isn't
18 that right?

19 A. I just need one minute to look for the page
20 number.

21 Q. Page number's 139, sir. So my question is up
22 until page 96, Mr. Cook's version of when he saw these had
23 been entirely consistent, and you'd acknowledge that; isn't
24 that right?

25 A. Yes, sir.

1 Q. Okay. And then on page 139, lines 4 to 8 comes
2 the answer to which you referred when Mr. Poole asked you
3 this question. You asked the question, but the condition
4 reports for the reactor vessel had flange inspections that
5 they were pulling up. And Mr. Cook said, well, 96-551
6 sometime in October or November, I know that I saw that,
7 and there was a justification as to why it was okay to
8 leave the boron on the head. And that's -- that brief
9 answer is the answer you had in mind where you answered Mr.
10 Poole this morning; isn't that right?

11 A. That's correct.

12 Q. And ten lines later, the middle of the same page,
13 one more question, you asked Mr. Cook the following, who
14 gave you that information or those, did you actually see
15 the condition reports? And Mr. Cook answered, I probably
16 pulled those -- I think I pulled those condition reports
17 when the AIT was on site. I don't know that. I know that
18 I didn't -- would not have -- I know that I would not have
19 pulled those prior to that time.

20 Isn't that what he said?

21 A. Correct, that's what he said.

22 Q. And you know, don't you, that the AIT was on site
23 in the spring of 2002?

24 A. Yes.

25 Q. Okay. So from all of those questions and answers

1 about when he saw the PCAQs, you told Mr. Poole that he
2 admitted to having seen the PCAQ in October, November,
3 correct?

4 A. I would still say that that's correct, that it's
5 a strong what Mr. -- Mr. Cook said is a very strong
6 affirmative.

7 Q. And you coming to that conclusion, you chose to
8 disregard the other three times that I've just read to you
9 in which he denied that, didn't you?

10 A. No, sir.

11 Q. You didn't disregard them?

12 A. Not disregard them, but he makes the statement I
13 know.

14 Q. And you disregarded the three other statements he
15 made that were inconsistent to that, didn't you? In fact,
16 you chose to characterize them as a recantation, isn't that
17 right, Mr. Ulie, isn't that the way you characterized it
18 this morning?

19 A. I thought the recantation was for '98 and 2000.

20 Q. Do you recall Mr. Poole asking you this morning,
21 sir, about whether Mr. Cook had admitted to having seen the
22 videos of the head inspections during the fall of 2000?

23 A. Yes.

24 Q. And I'm on page 31 of this morning's transcript
25 at line 4, Mr. Poole asked you, okay, did he tell you

1 whether he viewed the videos. You answer, he did. He said
2 that during the time period that Defendant Geisen's
3 secretary was converting the videotapes to CDs, that he had
4 requested through her to get an extra copy for himself.
5 And he -- he thought the date was around October 24th.

6 Do you remember giving that testimony?

7 A. Yes, sir.

8 Q. And you went on to say that based upon
9 independent investigation of your own, you had determined,
10 based upon what Mr. Cook told you and your independent
11 investigation, that it was probably sometime between late
12 September and the end of October that he apparently did get
13 the tape. Do you remember that --

14 A. Yes, sir.

15 Q. -- testimony?

16 And in fact, Mr. Cook did tell you that he had
17 seen the tapes, he thought, on October 24th, didn't he?

18 A. Yes, sir.

19 Q. And he mentioned that date at least three, maybe
20 four times, didn't he?

21 A. That I'm not sure.

22 Q. Okay. Do you remember whether there was a
23 particular reason that Mr. Cook thought October 24th was
24 the date that he had seen the tapes?

25 A. I seem to recall it had to do with he thought

1 that's when a meeting was taking place in Washington.

2 Q. Is that all you recall about the reason that he
3 thought that was -- nothing special about the meeting that
4 stuck in Mr. Cook's mind?

5 A. Well, that's when FENOC was going to be showing
6 the movies to the NRC.

7 Q. That's what Mr. Cook told you, isn't it?

8 A. That's what I understand.

9 Q. That's what he told you at least three times,
10 isn't it?

11 A. But he was wrong.

12 Q. Mr. Ulie, answer my question. He told you --

13 THE COURT: It's not a question of he was wrong.
14 I'll remind you again. It's a question of what he told
15 you. All right?

16 THE WITNESS: Yes, sir.

17 BY MR. GORDON:

18 Q. Isn't that what he told you, sir, at least three
19 times?

20 A. Yes, sir.

21 Q. Now, in October of 2002, when you were conducting
22 this interview with your colleagues, you knew, did you not,
23 that indeed there had been an NRC meeting with FENOC on
24 October the 24th? You knew that?

25 A. A meeting, that's correct.

1 Q. You also knew that nobody showed any videotapes
2 at that meeting, didn't you?

3 A. I believe we did.

4 Q. And you also knew that there was a meeting at
5 which videotapes were shown, didn't you?

6 A. I believe that's true.

7 Q. And you knew the date of that meeting, didn't
8 you?

9 A. I believe that's true.

10 Q. And you knew that date was November 8th, not
11 October 24th, correct?

12 A. I believe so.

13 Q. And neither you, nor Mr. Gavula or Ms. Janicki,
14 ever during the course of this interview clarified that?
15 You permitted Mr. Cook to tell you he saw them on
16 October 24th because he knew that was the day they were
17 being shown in Washington when you knew that wasn't true;
18 isn't that right?

19 A. No, sir.

20 Q. It's not right?

21 A. No.

22 Q. Did you correct him, did you say nobody showed
23 videos that day?

24 A. No, sir, we didn't.

25 Q. Did you tell him the day the videos were shown

1 was November the 8th? Is that what you mean, Rod? You
2 didn't, did you?

3 A. I don't remember if someone did try to make a
4 comment like that. But normally we wouldn't say that to
5 anybody.

6 Q. Normally you wouldn't, and I would represent to
7 you, and you can correct me with the transcript if you can,
8 that you didn't this time.

9 A. Okay.

10 Q. Now, if you can find someplace in the transcript
11 where I'm wrong, I'll be happy to be enlightened..

12 A. I'll look for it.

13 MR. GORDON: May I have a moment, please, Your
14 Honor?

15 THE COURT: Of course.

16 BY MR. GORDON:

17 Q. There is one other fact that you knew that I
18 forgot to bring out, and that is this: You and your
19 colleagues knew, and indeed Mr. Cook knew, that the last
20 serial letter that he signed or had anything to do with was
21 submitted on November the 1st. You knew that, didn't you?

22 A. No, sir, I can't say that I did.

23 Q. Do you know it now?

24 A. No, sir, I honestly don't know.

25 Q. You've been in this investigation, sir, for five

1 years, and you don't know the dates of the letters that
2 Mr. Cook signed?

3 A. It sounds so dramatic, sir, but no, I don't.
4 There's hundreds of thousands of pieces of paper, and no, I
5 don't have that all committed to memory.

6 Q. And you're telling this jury and this court that
7 in October of 2002 when you conducted this interview, you
8 did not know that November 1st was the last submissions
9 Mr. Cook made; is that right?

10 A. Yes, sir, that's what I'm saying.

11 Q. Thank you, Mr. Ulie.

12 MR. GORDON: I have nothing further, Your Honor.

13 THE WITNESS: You're welcome.

14 THE COURT: Redirect, Mr. Poole?

15 REDIRECT EXAMINATION

16 MR. POOLE: No, I'm not actually going to refer
17 to all this paper.

18 THE COURT: You don't have it memorized?

19 BY MR. POOLE:

20 Q. Ready, Mr. Ulie?

21 A. Yes, sir.

22 Q. Okay. Do you remember answering questions about
23 the way you introduced yourself to Mr. Cook and Mr. Geisen
24 at the beginning of the interviews and what you said your
25 purpose was?

1 A. Generally, yes, sir.

2 Q. Let's just take Mr. Geisen's transcript if you
3 will. Page 3 --

4 A. Okay.

5 Q. -- line 19.

6 A. Yes, sir.

7 Q. Would you just read 19 through 22 to the jury?

8 A. The subject matter of this interview regards a
9 Nuclear Regulatory Commission fact-finding investigation
10 into the circumstances surrounding the Davis-Besse reactor
11 vessel head degradation problem.

12 Q. Now, at the time you interviewed him, had you
13 become convinced that this was an investigation that would
14 likely lead to criminal charges?

15 A. Absolutely not, sir.

16 Q. What is your practice with respect to
17 investigations that proceed to the criminal stage? At what
18 point do you inform a potential witness of that fact?

19 A. It's very subjective. Rule of thumb is when we
20 have our particular evidence that we feel warrants a
21 referral to the Department of Justice, would discuss it
22 with our supervisors and then a decision's made.

23 Q. So at the point at which a decision is made that
24 warrants referral to the Department of Justice, you would
25 inform a witness that it was a criminal or potentially

1 criminal investigation, is that your standard?

2 A. Honestly, even after that point, while the civil
3 is still going on, if -- I mean, there may be a letter
4 that's sent to the Department of Justice, but from the
5 standpoint of the agency, it's still a civil matter until
6 we actually -- until the Department of Justice actually
7 takes some action on the case.

8 Q. All right. And after the Department of Justice
9 takes some action, what is your practice?

10 A. Then definitely at that point then we would
11 indicate that, you know, that the agency is involved in a
12 criminal investigation supporting the Department of
13 Justice.

14 Q. And once you cross that line, is it your policy
15 always to inform witnesses of that fact?

16 A. I -- since it hasn't happened that I can think of
17 in any particular circumstance that we've always had --
18 we've already interviewed all the witnesses, but if there
19 are new witnesses, we have gone and said statements to that
20 effect.

21 Q. Okay. Now, Mr. Geisen, Mr. Cook's interviews,
22 were they early or late in the investigation?

23 A. Very early. Our investigation began at the last
24 April 22nd of 2002. And it was four months later that we
25 were interviewing them.

1 Q. You said it began in April?

2 A. April 22nd of 2002.

3 Q. All right. And these interviews were in October?

4 A. October 4th and October 29th.

5 Q. Is that six months later?

6 A. I'm sorry, six months later, yes.

7 Q. All right. Now, do you recall a discussion with
8 Defendant Geisen's counsel about lifting the mode
9 restraint?

10 A. Yes, sir.

11 Q. And you recall talking to Defendant Geisen about
12 that, don't you?

13 A. Yes.

14 Q. I'd like to just read for the jury a section of
15 the transcript, page 47. If you look at line 3, there's a
16 passage about head cleaning and the mode restraint. Would
17 you just read lines 3 through 13 to the jury. And line 3,
18 I believe, begins with Mr. Geisen's answer.

19 MR. WISE: Objection, Your Honor. For the rule
20 of completeness, this goes on until page 55. I'd ask him
21 to read the whole thing if this is what Mr. Poole's going
22 to do.

23 THE COURT: Beg your pardon?

24 MR. WISE: This topic is discussed from here
25 until page 55. And under the rule of completeness --

1 THE COURT: Good, you can recross.

2 MR. WISE: Okay.

3 THE COURT: We're not going to read that many
4 pages nor did you. Objection overruled.

5 A. In this case, I know it was going to require us
6 to get the head cleaned, and there was cleaning scheduled.
7 And so we closed it to that list or took it off of the mode
8 restraint based on the fact that the cleaning was scheduled
9 and was supposed to be ongoing within the next couple of
10 days at that point. I stated -- I asked the question, is
11 that common practice?

12 Mr. Geisen: It was at that time, definitely
13 isn't anymore.

14 Q. Is that the passage that your answer about the
15 mode restraint was based on?

16 A. Yes, sir, it is.

17 Q. Do you recall some discussion about your
18 interview of Mr. Geisen where I asked you whether he told
19 you were the bulletin responses based on video inspections
20 or on condition reports, and reports of inspection. Do you
21 remember that question?

22 A. Yes, sir.

23 Q. And your answer was?

24 A. Videos.

25 Q. And not on condition reports or reports of

1 inspection?

2 A. Correct, that was my understanding.

3 Q. And is that still your understanding?

4 A. Yes, sir.

5 Q. Do you recall being asked about a passage in
6 which there was a discussion between you and Mr. Geisen
7 about whether visual inspections would be compromised due
8 to preexisting boron deposits?

9 A. Faintly I do, yes.

10 Q. Okay. Take a look at page 80, line 1. And I'll
11 ask you to read line 1 through line 7 at page 80.

12 A. Excuse me, my page 80 is out of order. Line 1
13 to?

14 Q. I'm going to ask you to read a little bit more
15 for completeness, line 1 to line 15.

16 A. Okay. This is me speaking. Isn't the reference
17 that's on page 3 referring to a visual inspection? Won't
18 be compromised through to the preexisting deposits. I
19 mean, it says VT-2 inspection, but is that not also a
20 visual inspection?

21 Yeah, I guess you could take it that way. And
22 this is Mr. Geisen speaking. Yeah, I guess you could take
23 it that way. That's not how I took it when I read it. The
24 way I took it when I read it is inspections will be
25 performed in accordance with the procedure. That procedure

1 is being developed to do a VT-2 inspection, but I didn't
2 take it as it being maybe I knew too much at that point. I
3 know that we were going to be doing an NDE if we couldn't
4 see visual, so any existing deposits was not going to
5 change that. We are going to be into an NDE.

6 Q. Now, setting aside the part of the -- that
7 response that's about an NDE or non destructive
8 examination, setting that aside, when you asked him whether
9 a visual inspection would be compromised by preexisting
10 boron deposits, did you understand his answer to be yes?

11 MR. WISE: Objection, Your Honor. He's taking
12 the answer out of context.

13 THE COURT: The answer is what the answer is.
14 It's on the page we just read.

15 MR. WISE: I agree.

16 THE COURT: You can place it in whatever context
17 you wish. Overruled.

18 A. Could you repeat your question, please?

19 Q. When you asked him whether a visual inspection
20 set aside the non destructive -- when you asked him whether
21 a visual inspection would be compromised due to preexisting
22 deposits, did you understand him to be saying that, yes, it
23 would be compromised?

24 A. What I understood was because the verbiage in the
25 letter was talking about a visual inspection. It didn't

1 say anything about an NDE exam, that that's what the NRC
2 was referring to was a visual only. And so that's why it's
3 the visual portion of the VT-2 part. So I may not be
4 answering your question directly, but that's what I had
5 intended when I read that.

6 Q. That's what you understood?

7 A. That's what I understood.

8 Q. All right. I'm moving on. Let's talk about the
9 discussion you had with Mr. Gordon about 96-551. I'm going
10 to refer you to page 139. And first of all, I'll wait
11 until you get there. You're looking for Mr. Cook's
12 transcript now?

13 A. I am.

14 Q. Page 139.

15 A. I'm there.

16 Q. All right. Now, to start with, is the PCAQ or
17 condition report, 96-551, is that a condition report about
18 a flange inspection?

19 A. No, sir, it's not.

20 Q. All right. Let me read your question and
21 Mr. Cook's answer at the top of page 139. But the
22 condition reports for the reactor vessel head flange
23 inspections that they were pulling up, question mark.

24 Mr. Cook: Well, 96-551 sometime in October or
25 November, I know that I saw that, and there was a

1 justification as to why it was okay to leave the boron on
2 the head.

3 '98, I don't remember the CR number, but there
4 was a justification for why it was okay to leave the boron
5 on the head.

6 In 2000 you pull up the documentation, pull the
7 work order, and it says we cleaned the head work performed,
8 no deviation.

9 Was he giving you an answer now about flange
10 inspections, or was he changing the subject?

11 MR. GORDON: Objection, transcript says what it
12 says.

13 THE COURT: I'm not sure what it says. The
14 witness has the right, since he sat through this entire 156
15 pages, to answer the question.

16 A. And again Mr. Poole, could you repeat the
17 question, please?

18 Q. All right. Let's just take the first paragraph
19 of his answer, 96-551. When he describes 96-551, is he
20 describing a flange inspection?

21 A. No, sir, not to the best of my knowledge he's
22 not.

23 Q. And when he talks about 1998, a condition report
24 justifying why it was okay to leave boron on the head, does
25 that sound like a flange inspection report?

1 A. No, sir. He's being consistent with a head
2 inspection.

3 Q. Again, in 2000, I'm reading from the transcript.
4 We pull the -- the documentation, pull up the work order
5 and it says we cleaned the head work performed, no
6 deviation. Is he talking about a head inspection report
7 again?

8 A. Yes, sir, that's my understanding.

9 Q. Now, you came back with a question, who gave you
10 that information or did you actually see the condition
11 reports. And he says, I probably pulled those condition
12 reports when the AIT was on site. In other words, after
13 the discovery of the corrosion hole. But is it your
14 understanding based on this that he clearly answered that
15 he saw 96-551 in October or November?

16 MR. GORDON: Objection.

17 THE COURT: I don't think there's a foundation
18 for the question.

19 MR. POOLE: Shall I restate it?

20 THE COURT: This is not -- in other words, you're
21 asking him whether his response, to his knowledge, was
22 correct. The issue becomes how would he obtain the
23 knowledge.

24 MR. POOLE: I'll rephrase.

25 BY MR. POOLE:

1 Q. When he later said that he pulled condition
2 reports when the AIT was on site, did you take him to be
3 retracting or recanting his earlier statement that he saw
4 96-551 in October or November?

5 MR. GORDON: Objection.

6 THE COURT: Overruled.

7 A. It was my understanding that for --

8 THE COURT: Into the mike, please.

9 A. It was my understanding for 96-551 that it was
10 October or November of 2001 that he had seen that document.

11 Q. Okay.

12 MR. POOLE: Your Honor, that's all the questions
13 we have.

14 MR. WISE: Nothing more from me.

15 MR. GORDON: Nothing from me.

16 THE COURT: Thank you. You may step down.

17 MR. POOLE: Your Honor, at this time we wish to
18 announce that the government is resting its case in chief.

19 THE COURT: And I presume, as I always do, that
20 that is subject to making sure that all exhibits have been
21 properly addressed by the government and The Court.

22 MR. POOLE: Thank you for that, Your Honor. We
23 have checked our list against The Court's list, but --

24 THE COURT: And is it -- very good.

25 MR. POOLE: It's consistent.

1 THE COURT: Very good.

2 Ladies and gentlemen, as you've just heard from
3 the government, the government has rested. Because I must
4 be at a judge's meeting the first three days of next week,
5 we will meet at 8:30 on Thursday morning. I believe that's
6 the -- that's the 18th of October.

7 Please remember during this recess not to read,
8 listen to or watch anything touching on this case in any
9 way, and not to discuss this case among yourselves or with
10 anyone else or permit anyone to discuss it with you.
11 That's the oath you will take.

12 And do not make up your mind on the ultimate
13 issues which you will need to decide at the end of the case
14 when it is submitted to you for that decision. Drive
15 carefully. Enjoy your long rest.

16 (Jury dismissed.)

17 THE COURT: Counsel, I don't need -- I don't
18 think the rest of this needs to be on the record unless you
19 wish it to be.

20

21

22

23

24

25

C E R T I F I C A T E

I certify that the foregoing is a correct transcript
from the record of proceedings in the above-entitled matter.

Angela D. Nixon, RPR, CRR

Date

	1572/14 1572/21 1716 [1] 1460/8 173 [1] 1575/2 17th [4] 1499/4 1512/21 1553/18 1560/6 18 [2] 1534/17 1576/3 1828 [1] 1460/5 183 [3] 1530/11 1541/9 1546/14 185 [1] 1470/19 18th [1] 1600/6 19 [4] 1527/20 1534/20 1590/5 1590/7 1973 [2] 1478/4 1478/9 199 [1] 1516/23 1996 [6] 1482/23 1489/2 1493/1 1503/10 1516/25 1541/7 1998 [18] 1482/25 1483/22 1485/3 1486/1 1489/5 1493/12 1498/12 1503/10 1513/21 1513/24 1516/25 1541/7 1556/16 1556/17 1580/5 1580/21 1581/25 1597/23 1999 [1] 1500/8 1:30 [1] 1472/6 1D [4] 1484/13 1488/4 1488/5 1555/20 1st [3] 1499/9 1588/21 1589/8	2:30 [2] 1523/14 1523/19 2nd [1] 1499/18
'01 [1] 1537/14 '96 [1] 1540/25 '98 [6] 1479/1 1485/18 1514/14 1540/25 1584/19 1597/3		
0		3
00324 [1] 1497/23 01 [3] 1478/20 1490/9 1511/21 0551 [1] 1534/6 0782 [1] 1505/2 0838 [1] 1459/20		30 [1] 1565/6 30th [5] 1487/10 1489/16 1489/22 1499/5 1499/6 31 [1] 1584/24 32 [1] 1470/25 3400 [1] 1460/6 35 [1] 1481/18 36 [2] 1511/19 1558/9 37 [1] 1544/10 38 [4] 1539/10 1544/13 1544/18 1578/7 3818 [1] 1459/15 3:06CR712 [1] 1459/3 3:28 p.m [1] 1480/18 3rd [1] 1459/18
1		4
1.D [1] 1556/14 10 [14] 1461/10 1461/22 1462/19 1463/3 1497/17 1537/9 1541/12 1542/20 1543/7 1543/24 1546/14 1546/20 1581/6 1581/25 100 [1] 1490/10 100 percent [1] 1487/5 1006 [1] 1506/6 1037 [3] 1508/19 1549/1 1549/17 107 [5] 1494/15 1495/9 1577/3 1577/7 1577/16 10:00 [1] 1469/21 10:09 in [1] 1494/21 10RFO [2] 1492/2 1492/7 10th [6] 1479/25 1503/6 1540/18 1545/25 1546/4 1581/19 11 [14] 1472/2 1511/22 1541/12 1542/20 1543/8 1543/24 1544/13 1546/14 1546/20 1572/22 1572/25 1573/1 1573/7 1581/6 110 [1] 1471/1 113 [2] 1519/20 1519/22 118 [2] 1499/14 1562/3 119 [1] 1562/18 11:30 [1] 1471/17 11th [5] 1518/10 1546/6 1550/4 1554/15 1559/14 11th refueling [3] 1503/7 1540/18 1546/1 12 [13] 1459/5 1478/7 1490/12 1490/16 1541/16 1541/16 1542/21 1543/11 1545/21 1546/21 1547/1 1568/21 1568/23 120 [1] 1562/23 124 [3] 1534/14 1534/20 1534/21 125 [4] 1536/13 1537/8 1572/14 1572/20 129 [2] 1563/23 1573/18 12:55 [1] 1529/18 12RFO [3] 1492/2 1492/7 1497/22 12th [8] 1503/11 1503/20 1504/25 1518/1 1541/21 1542/10 1542/15 1545/23 13 [7] 1489/24 1489/24 1512/1 1555/16 1568/6 1568/25 1592/17 130 [4] 1464/25 1465/7 1564/20 1566/4 139 [5] 1582/21 1583/1 1596/10 1596/14 1596/21 13RFO [1] 1512/18 13th [4] 1518/13 1551/12 1568/11 1569/10 14 [6] 1500/20 1500/21 1522/24 1549/15 1556/15 1565/6 1400 [1] 1459/19 144 [2] 1573/25 1574/1 14th [1] 1518/8 15 [5] 1459/9 1476/17 1478/9 1538/19 1594/15 150 [6] 1471/2 1479/16 1479/19 1479/20 1479/20 1480/8 152 [2] 1499/20 1504/18 156 [1] 1597/14 15th [3] 1466/22 1468/16 1500/8 16 [1] 1575/3 160 [1] 1472/16 17 [6] 1485/2 1485/17 1527/16 1562/19	2-inch [1] 1562/4 20 [4] 1538/11 1538/23 1539/11 1544/18 20/20 [3] 1538/11 1538/23 1539/11 2000 [24] 1462/19 1463/3 1483/23 1485/19 1486/2 1489/7 1493/13 1497/20 1497/22 1501/5 1502/9 1503/11 1504/7 1508/17 1513/25 1514/11 1516/25 1541/21 1580/5 1580/21 1584/19 1584/22 1597/6 1598/3 2000-0782 [1] 1505/2 2000-1037 [1] 1508/19 20005 [2] 1459/19 1459/25 2001 [25] 1464/21 1466/22 1478/9 1480/17 1480/24 1484/2 1489/16 1489/22 1494/21 1495/4 1499/3 1499/4 1499/5 1499/6 1499/10 1510/12 1511/22 1512/21 1537/20 1539/4 1568/1 1577/9 1580/8 1580/20 1599/10 2001-01 [3] 1478/20 1490/9 1511/21 2002 [18] 1470/17 1477/23 1493/20 1501/7 1501/16 1526/10 1533/15 1533/18 1534/10 1557/17 1560/20 1576/8 1579/24 1583/23 1586/21 1589/7 1591/24 1592/2 20036 [1] 1460/5 2007 [1] 1459/5 202 [3] 1459/20 1460/1 1460/6 21 [1] 1581/4 216 [1] 1459/15 22 [4] 1510/15 1538/8 1568/23 1590/7 22nd [3] 1484/2 1494/21 1577/9 23 [1] 1581/21 24th [7] 1491/25 1585/5 1585/17 1585/23 1586/24 1587/11 1587/16 25 [3] 1476/16 1557/23 1558/2 260-5259 [1] 1460/9 27 [1] 1497/13 2731 [17] 1484/21 1487/8 1496/15 1499/2 1522/10 1531/7 1531/13 1531/23 1532/5 1532/24 1533/3 1533/6 1533/8 1552/18 1552/22 1561/12 1563/11 2735 [4] 1496/18 1499/3 1522/10 1522/14 2741 [2] 1499/4 1522/10 2744 [6] 1499/5 1519/12 1519/16 1520/6 1522/10 1535/1 2745 [3] 1499/7 1499/9 1522/12 27th [2] 1492/3 1510/5 28th [2] 1509/18 1510/6 29 [1] 1538/19 29th [4] 1501/16 1533/15 1533/18 1592/4 2:15 [2] 1523/18 1523/20	40 [7] 1470/24 1512/20 1544/15 1545/1 1545/19 1545/24 1558/12 400 [1] 1459/14 419 [1] 1460/9 43 [1] 1547/14 43624 [1] 1460/9 44 [1] 1484/17 44113 [1] 1459/15 45 [1] 1548/13 47 [1] 1592/15 4th [5] 1477/23 1487/8 1488/24 1499/3 1576/9
	2	5
	2-inch [1] 1562/4 20 [4] 1538/11 1538/23 1539/11 1544/18 20/20 [3] 1538/11 1538/23 1539/11 2000 [24] 1462/19 1463/3 1483/23 1485/19 1486/2 1489/7 1493/13 1497/20 1497/22 1501/5 1502/9 1503/11 1504/7 1508/17 1513/25 1514/11 1516/25 1541/21 1580/5 1580/21 1584/19 1584/22 1597/6 1598/3 2000-0782 [1] 1505/2 2000-1037 [1] 1508/19 20005 [2] 1459/19 1459/25 2001 [25] 1464/21 1466/22 1478/9 1480/17 1480/24 1484/2 1489/16 1489/22 1494/21 1495/4 1499/3 1499/4 1499/5 1499/6 1499/10 1510/12 1511/22 1512/21 1537/20 1539/4 1568/1 1577/9 1580/8 1580/20 1599/10 2001-01 [3] 1478/20 1490/9 1511/21 2002 [18] 1470/17 1477/23 1493/20 1501/7 1501/16 1526/10 1533/15 1533/18 1534/10 1557/17 1560/20 1576/8 1579/24 1583/23 1586/21 1589/7 1591/24 1592/2 20036 [1] 1460/5 2007 [1] 1459/5 202 [3] 1459/20 1460/1 1460/6 21 [1] 1581/4 216 [1] 1459/15 22 [4] 1510/15 1538/8 1568/23 1590/7 22nd [3] 1484/2 1494/21 1577/9 23 [1] 1581/21 24th [7] 1491/25 1585/5 1585/17 1585/23 1586/24 1587/11 1587/16 25 [3] 1476/16 1557/23 1558/2 260-5259 [1] 1460/9 27 [1] 1497/13 2731 [17] 1484/21 1487/8 1496/15 1499/2 1522/10 1531/7 1531/13 1531/23 1532/5 1532/24 1533/3 1533/6 1533/8 1552/18 1552/22 1561/12 1563/11 2735 [4] 1496/18 1499/3 1522/10 1522/14 2741 [2] 1499/4 1522/10 2744 [6] 1499/5 1519/12 1519/16 1520/6 1522/10 1535/1 2745 [3] 1499/7 1499/9 1522/12 27th [2] 1492/3 1510/5 28th [2] 1509/18 1510/6 29 [1] 1538/19 29th [4] 1501/16 1533/15 1533/18 1592/4 2:15 [2] 1523/18 1523/20	50 [2] 1493/3 1497/17 50 percent [2] 1535/5 1536/16 514-0838 [1] 1459/20 5259 [1] 1460/9 53 [2] 1547/15 1549/15 55 [2] 1592/20 1592/25 551 [22] 1492/20 1492/22 1494/12 1535/2 1535/22 1536/8 1537/12 1579/1 1579/8 1579/10 1580/14 1580/20 1581/18 1583/5 1596/9 1596/17 1596/24 1597/19 1597/19 1598/15 1599/4 1599/9 56 [2] 1489/11 1490/4 57 [1] 1486/14 5818 [1] 1460/1
		6
		60 percent [1] 1493/3 622-3818 [1] 1459/15 626-5818 [1] 1460/1 640 [1] 1460/4 65 [3] 1517/16 1517/17 1517/21 655 [1] 1459/25
		7
		72 [1] 1550/21 73 [1] 1551/1 76 [1] 1551/21 77 [2] 1552/3 1569/4 78 [4] 1471/1 1568/20 1568/22 1569/6 782 [1] 1507/22 79 [1] 1569/4
		8
		80 [4] 1569/6 1594/10 1594/11 1594/12 801 [1] 1459/14 81 [2] 1568/23 1569/7 833-3400 [1] 1460/6 84 [1] 1531/11 87 [1] 1581/3 8:30 a.m [1] 1529/18

8	addition [1] 1467/13 additional [3] 1488/25 1494/20 1494/23 additionally [1] 1521/13 address [8] 1470/7 1512/2 1514/9 1535/16 1538/20 1550/12 1553/22 1559/21 addressed [3] 1470/24 1555/7 1599/21 addresses [1] 1470/25 adds [1] 1545/8 admissible [2] 1473/24 1474/23 admission [1] 1495/5 admit [1] 1522/9 admitted [13] 1481/23 1490/4 1495/9 1499/15 1499/16 1499/18 1499/22 1499/23 1500/11 1517/18 1537/19 1584/2 1584/21 admitting [1] 1537/13 admonitions [3] 1469/14 1523/21 1575/15 advance [3] 1473/23 1480/23 1483/11 advertisement [1] 1467/10 advise [2] 1529/2 1576/14 affairs [1] 1562/17 affecting [1] 1497/18 affirmative [1] 1584/6 after [10] 1488/24 1518/10 1526/17 1533/21 1539/24 1565/14 1580/9 1591/2 1591/8 1598/12 afternoon [6] 1461/1 1480/18 1524/8 1524/9 1575/19 1575/20 afterwards [1] 1478/5 again [23] 1471/1 1489/5 1489/5 1495/3 1498/17 1501/5 1501/12 1528/10 1532/19 1533/16 1534/18 1539/11 1551/18 1554/6 1556/1 1559/11 1561/7 1566/4 1572/22 1586/14 1597/16 1598/3 1598/7 against [5] 1474/22 1474/23 1475/18 1476/19 1599/23 age [1] 1538/21 agency [3] 1476/19 1591/5 1591/11 agent [8] 1475/25 1476/12 1480/5 1500/1 1549/17 1556/19 1560/4 1562/19 agents [1] 1473/6 ago [4] 1488/9 1492/17 1504/18 1520/8 agree [28] 1461/9 1526/1 1526/20 1529/8 1529/15 1529/22 1531/1 1532/7 1536/20 1537/25 1540/5 1545/5 1547/16 1549/22 1551/6 1555/1 1555/18 1555/22 1556/11 1560/14 1561/6 1566/11 1566/24 1568/23 1571/2 1574/20 1581/18 1595/15 agreed [1] 1552/20 ahead [5] 1479/6 1483/25 1495/22 1513/6 1580/1 AIT [5] 1580/9 1583/17 1583/22 1598/12 1599/2 AL [1] 1459/6 Alan [1] 1464/14 all [120] 1462/6 1464/24 1465/11 1465/13 1466/2 1466/9 1466/10 1466/13 1466/21 1467/2 1467/11 1467/12 1470/5 1471/6 1471/17 1472/5 1477/4 1477/14 1477/24 1478/15 1479/15 1480/1 1480/3 1480/5 1480/14 1481/17 1482/22 1482/24 1484/3 1484/16 1485/10 1485/14 1485/16 1485/18 1486/12 1490/7 1492/12 1492/17 1493/14 1494/14 1495/2 1495/11 1496/4 1498/8 1499/11 1499/19 1500/14 1501/8 1501/19 1502/1 1503/16 1503/23 1504/11 1504/14 1504/23 1506/5 1506/6 1506/17 1506/18 1507/9 1507/20 1509/11 1510/14 1510/24 1511/18 1512/19 1513/7 1513/10 1513/14 1513/19 1514/4 1514/18 1515/14 1517/15 1518/11 1518/17 1520/14 1521/1 1522/13 1523/10 1526/14 1526/14 1526/24 1528/12 1530/11 1536/25 1538/11 1539/23 1543/13 1545/2 1550/2 1556/17 1559/18 1560/2 1562/13 1562/20 1564/6 1566/1 1569/2	1573/17 1575/11 1582/10 1582/11 1582/13 1583/25 1586/2 1586/15 1589/5 1589/17 1591/8 1591/18 1592/3 1592/7 1596/8 1596/10 1596/16 1596/20 1597/18 1599/12 1599/20 allow [2] 1473/24 1474/6 allowed [1] 1471/3 alluding [1] 1474/14 almost [1] 1472/14 along [3] 1496/15 1510/21 1521/11 already [7] 1504/3 1507/5 1510/15 1560/12 1560/18 1582/4 1591/18 also [26] 1463/23 1479/12 1483/22 1487/25 1493/12 1499/6 1504/8 1522/19 1524/22 1532/4 1533/13 1539/2 1539/21 1540/5 1551/3 1552/21 1557/11 1557/11 1562/20 1572/6 1579/23 1580/4 1580/21 1587/1 1587/4 1594/19 although [1] 1563/11 always [5] 1528/23 1538/11 1591/15 1591/17 1599/19 am [3] 1475/13 1499/23 1596/13 AMERICA [1] 1459/3 among [3] 1469/15 1523/22 1600/9 amount [2] 1492/13 1510/24 analysis [4] 1465/22 1466/10 1467/1 1572/13 and/or [1] 1502/11 Andrew [24] 1459/23 1482/4 1486/20 1489/16 1493/17 1510/20 1512/13 1515/18 1516/1 1516/5 1516/9 1522/19 1522/21 1555/11 1564/3 1564/3 1564/16 1564/19 1566/1 1566/19 1566/24 1567/15 1567/18 1581/9 Angela [3] 1460/8 1472/11 1601/8 announce [2] 1475/24 1599/18 another [13] 1479/4 1508/14 1511/18 1521/3 1521/3 1530/7 1530/13 1530/14 1537/16 1537/23 1546/16 1548/25 1581/22 answer [50] 1494/10 1495/13 1495/14 1502/12 1502/15 1521/4 1530/12 1534/25 1535/3 1540/21 1540/23 1541/3 1542/13 1546/3 1550/25 1551/2 1551/8 1552/7 1555/21 1555/25 1556/7 1556/8 1557/5 1560/14 1561/13 1563/6 1563/19 1564/1 1564/8 1564/14 1570/15 1570/22 1571/8 1571/9 1583/2 1583/9 1583/9 1585/1 1586/12 1592/18 1593/14 1593/23 1595/10 1595/12 1595/13 1595/13 1596/21 1597/9 1597/15 1597/19 answered [8] 1554/21 1564/23 1578/3 1579/9 1581/16 1583/9 1583/15 1598/14 answering [2] 1589/22 1596/4 answers [2] 1554/12 1583/25 any [37] 1461/12 1462/3 1467/14 1469/17 1478/11 1481/22 1481/22 1484/14 1486/7 1487/11 1491/7 1498/3 1513/25 1514/6 1516/9 1517/4 1517/5 1518/17 1518/23 1518/25 1519/2 1519/7 1520/11 1521/16 1523/25 1544/19 1557/22 1561/10 1563/3 1570/19 1572/8 1574/2 1579/23 1587/1 1591/17 1595/4 1600/8 anybody [2] 1519/4 1588/5 anymore [1] 1593/13 anyone [11] 1469/15 1469/16 1491/16 1519/6 1519/7 1523/22 1523/23 1572/7 1572/8 1600/10 1600/10 anything [13] 1461/16 1469/17 1486/8 1492/9 1508/2 1523/24 1530/6 1530/11 1561/23 1566/7 1588/20 1596/1 1600/8 anyway [1] 1493/11 anywhere [2] 1485/25 1487/3 apologize [3] 1558/24 1559/15 1559/16 apparently [3] 1492/5 1573/4 1585/12
9		
900 [1] 1459/24 95 [1] 1560/3 96 [7] 1554/5 1557/24 1558/2 1559/25 1581/21 1582/15 1582/22 96-0551 [1] 1534/6 96-551 [22] 1492/20 1492/22 1494/12 1535/2 1535/22 1536/8 1537/12 1579/1 1579/8 1579/10 1580/14 1580/20 1581/18 1583/5 1596/9 1596/17 1596/24 1597/19 1597/19 1598/15 1599/4 1599/9 97 [4] 1534/6 1555/2 1556/15 1559/25		
A		
a.m [1] 1529/18 abbreviating [1] 1482/3 ability [1] 1554/21 able [5] 1479/12 1487/22 1513/3 1514/3 1576/22 about [258] above [2] 1488/17 1601/4 above-entitled [1] 1601/4 absolutely [2] 1491/3 1590/15 accepted [1] 1500/22 access [10] 1479/12 1488/16 1489/4 1489/17 1489/19 1489/21 1490/17 1490/19 1512/5 1555/13 accompanied [1] 1576/10 accordance [1] 1594/25 according [6] 1497/25 1512/25 1513/3 1523/3 1565/22 1566/11 accumulated [1] 1490/13 accuracy [5] 1522/17 1523/4 1574/17 1574/24 1575/4 accurate [1] 1523/9 accurately [1] 1474/7 acid [41] 1462/18 1463/11 1463/13 1463/20 1490/13 1490/14 1490/20 1492/14 1495/15 1496/17 1496/20 1497/23 1498/4 1498/12 1498/21 1500/5 1501/24 1502/2 1503/17 1503/17 1503/20 1504/12 1505/4 1508/7 1508/9 1510/24 1511/3 1514/16 1517/12 1518/2 1518/15 1542/9 1542/14 1542/23 1543/7 1545/23 1568/6 1568/13 1578/1 1578/16 1581/10 acknowledge [9] 1481/13 1482/10 1509/3 1511/5 1511/7 1522/6 1555/22 1582/3 1582/23 acknowledged [5] 1504/21 1509/4 1547/5 1569/24 1574/16 acknowledging [2] 1582/6 1582/7 across [1] 1462/7 action [7] 1498/6 1498/9 1528/13 1548/22 1549/4 1591/7 1591/9 actions [3] 1498/17 1504/11 1553/15 active [5] 1491/4 1520/20 1520/22 1535/8 1536/17 activities [1] 1497/17 activity [1] 1515/14 actual [6] 1461/13 1533/11 1566/6 1581/13 1581/23 1581/24 actually [25] 1465/25 1467/22 1470/25 1478/8 1480/22 1480/23 1493/18 1510/12 1520/24 1523/1 1532/20 1539/12 1545/5 1545/10 1547/10 1548/2 1553/10 1564/17 1580/24 1581/1 1583/14 1589/16 1591/6 1591/6 1598/10 adamant [1] 1540/11 add [2] 1477/6 1530/12		

<p>A</p> <p>appear [3] 1462/22 1497/2 1558/10 APPEARANCES [1] 1459/12 appears [5] 1481/10 1483/21 1488/10 1497/16 1500/3 appendix [1] 1497/17 apply [1] 1556/16 appreciate [3] 1483/6 1506/20 1523/17 approach [5] 1464/16 1469/6 1474/1 1505/9 1565/17 approached [1] 1565/14 appropriate [1] 1474/20 approximately [11] 1476/17 1477/20 1478/9 1480/17 1480/19 1494/21 1501/12 1501/18 1529/12 1533/20 1538/6 April [10] 1480/24 1480/24 1485/3 1497/20 1497/22 1509/18 1526/10 1591/24 1592/1 1592/2 April 1998 [1] 1485/3 April 2000 [2] 1497/20 1497/22 April 22nd of [3] 1526/10 1591/24 1592/2 April 28th [1] 1509/18 are [35] 1465/4 1471/6 1471/9 1471/22 1475/8 1475/8 1490/12 1493/21 1494/23 1496/18 1496/19 1499/12 1507/4 1507/6 1507/7 1509/24 1511/3 1513/3 1521/14 1523/3 1524/10 1528/4 1528/22 1528/23 1537/7 1539/20 1540/4 1558/1 1562/7 1569/14 1571/25 1573/3 1573/5 1591/19 1595/5 area [6] 1463/14 1476/23 1477/1 1503/18 1537/2 1573/4 areas [3] 1472/4 1496/18 1574/22 argument [1] 1468/23 argumentative [1] 1530/20 arises [1] 1470/18 Arkansas [2] 1502/11 1504/8 around [8] 1465/24 1471/22 1488/17 1491/24 1492/3 1508/6 1573/4 1585/5 arrogance [9] 1518/21 1552/2 1552/11 1570/17 1570/24 1571/3 1571/7 1571/12 1571/19 as [123] 1463/11 1464/6 1464/7 1464/7 1468/5 1468/21 1468/21 1470/13 1470/14 1470/14 1472/2 1472/2 1472/7 1472/7 1472/9 1472/9 1472/14 1472/15 1472/25 1473/14 1473/17 1474/3 1474/25 1476/2 1476/3 1476/3 1477/9 1479/23 1479/25 1480/24 1480/24 1481/4 1482/7 1482/19 1488/22 1488/24 1489/2 1489/2 1491/6 1491/12 1491/12 1491/13 1491/13 1496/14 1496/15 1496/18 1498/14 1498/16 1499/6 1501/23 1502/12 1502/15 1503/9 1503/9 1503/10 1504/8 1505/23 1507/21 1511/3 1512/17 1514/5 1514/13 1516/7 1516/7 1517/21 1520/5 1522/3 1523/4 1523/4 1526/25 1527/16 1529/3 1531/7 1532/15 1536/9 1537/4 1538/15 1539/17 1539/20 1540/8 1540/24 1540/25 1540/25 1541/14 1541/14 1542/1 1543/11 1543/23 1549/4 1550/18 1552/10 1554/21 1554/22 1555/14 1557/16 1558/12 1565/18 1565/18 1566/3 1566/6 1566/6 1567/7 1567/7 1567/10 1567/10 1570/6 1571/6 1571/12 1571/19 1571/21 1572/3 1572/5 1576/3 1577/21 1578/5 1581/9 1582/7 1583/7 1584/16 1595/2 1597/1 1599/19 1600/2 as-found [1] 1514/13 aside [4] 1500/14 1595/6 1595/8 1595/20 ask [39] 1469/5 1472/1 1478/16 1481/12 1486/3 1487/11 1495/17 1498/23 1501/19 1504/23 1507/13 1508/11 1512/24 1513/2 1514/18 1514/20 1514/25 1517/16 1518/14</p>	<p>1520/19 1521/16 1522/11 1522/16 1525/25 1532/19 1532/20 1536/9 1544/17 1545/9 1550/18 1550/20 1554/21 1556/1 1558/9 1558/16 1568/12 1592/20 1594/11 1594/14 asked [58] 1467/8 1482/14 1484/11 1484/14 1486/8 1502/20 1510/21 1514/10 1514/10 1520/2 1520/24 1521/3 1521/7 1530/11 1530/12 1540/15 1541/9 1541/20 1545/18 1546/25 1548/5 1550/3 1551/18 1553/18 1561/11 1562/23 1563/15 1563/15 1563/24 1564/6 1564/9 1564/20 1564/23 1565/6 1565/20 1566/7 1566/17 1567/15 1568/5 1568/5 1568/17 1570/14 1574/10 1577/24 1579/7 1579/20 1581/4 1581/13 1583/2 1583/3 1583/13 1584/25 1593/10 1593/18 1594/5 1595/8 1595/19 1595/20 asking [33] 1473/6 1509/23 1512/3 1513/1 1513/20 1514/1 1520/22 1528/16 1528/17 1528/25 1530/5 1536/7 1537/23 1539/22 1539/23 1543/2 1544/19 1546/15 1546/16 1548/25 1551/22 1552/14 1556/15 1556/23 1556/24 1557/25 1558/4 1560/25 1569/21 1569/22 1578/25 1584/20 1598/21 asks [1] 1535/1 aspects [1] 1555/9 assessment [1] 1467/19 assigned [3] 1481/4 1494/24 1515/22 assist [3] 1492/18 1498/19 1578/10 associate [2] 1477/1 1477/3 Associates [3] 1465/20 1466/1 1467/9 assume [3] 1471/16 1471/16 1577/15 assumed [1] 1545/15 assuming [1] 1472/1 assumptions [1] 1568/25 at [172] ate [1] 1498/12 attach [1] 1484/23 attached [3] 1482/4 1495/12 1509/1 attempted [1] 1506/8 attempts [1] 1490/15 attend [1] 1550/7 attention [5] 1464/20 1464/24 1466/4 1469/21 1510/14 attorney [2] 1459/13 1477/18 Attorney-Cleveland [1] 1459/13 auditing [1] 1522/20 auditor's [1] 1474/24 August [15] 1480/17 1481/3 1481/15 1484/2 1487/10 1489/16 1489/22 1511/22 1512/21 1550/4 1553/18 1554/15 1558/15 1559/14 1560/6 August 11th [3] 1550/4 1554/15 1559/14 August 11th exhibit [1] 1558/15 August 17th [3] 1512/21 1553/18 1560/6 August 22nd [1] 1484/2 August 30th [3] 1487/10 1489/16 1489/22 August 8th [2] 1480/17 1481/15 August 8th was [1] 1481/3 automatically [2] 1502/5 1504/4 available [2] 1546/9 1546/10 Avenue [3] 1459/14 1459/19 1460/8 aware [12] 1491/3 1491/16 1498/22 1503/3 1510/6 1510/9 1535/2 1543/23 1563/1 1571/25 1578/17 1581/6 away [1] 1498/12</p> <p>B</p> <p>Babcock [1] 1504/5 Bachelor's [1] 1476/25 back [25] 1467/9 1470/17 1470/25 1475/12 1513/9 1513/21 1513/24 1514/4 1514/14 1517/15 1523/18 1532/21 1534/24 1537/24 1538/10 1546/21 1553/8 1555/14 1556/16 1556/17 1558/24 1560/3 1564/17</p>	<p>1572/22 1598/9 background [3] 1477/25 1498/4 1500/16 bad [1] 1545/16 Ballantine [2] 1459/18 1463/19 bar [2] 1469/9 1505/11 based [34] 1503/21 1508/7 1508/24 1510/3 1515/1 1515/2 1515/5 1525/22 1538/3 1538/21 1540/2 1541/3 1542/10 1542/16 1542/24 1544/22 1547/7 1560/20 1563/14 1563/16 1563/18 1563/20 1563/22 1565/4 1565/12 1565/22 1565/24 1566/13 1585/8 1585/10 1593/8 1593/15 1593/19 1598/14 basically [3] 1535/5 1536/15 1565/18 basis [3] 1509/20 1509/21 1565/10 be [118] 1461/14 1462/22 1463/13 1463/21 1463/23 1464/4 1465/8 1467/22 1467/23 1469/18 1469/19 1470/20 1471/6 1471/15 1471/19 1471/24 1472/20 1473/15 1473/18 1473/22 1473/22 1473/25 1474/2 1474/16 1474/23 1474/23 1475/7 1481/4 1481/18 1481/23 1484/15 1484/17 1486/3 1486/13 1489/12 1489/23 1490/4 1490/14 1490/19 1493/3 1493/9 1495/9 1495/9 1496/16 1497/18 1498/7 1500/3 1500/11 1507/1 1509/17 1509/18 1510/4 1512/5 1512/14 1514/15 1515/8 1518/13 1519/22 1520/18 1520/20 1520/22 1523/19 1528/12 1528/13 1528/14 1530/20 1535/2 1535/13 1535/20 1535/24 1536/19 1538/4 1541/15 1542/7 1547/8 1547/25 1549/7 1549/19 1549/25 1553/2 1553/17 1554/1 1554/8 1555/3 1558/10 1558/19 1562/9 1562/13 1563/2 1568/11 1569/18 1570/7 1571/15 1572/24 1575/7 1577/11 1577/15 1577/19 1586/5 1588/11 1588/11 1591/3 1593/9 1594/7 1594/18 1594/24 1595/3 1595/5 1595/9 1595/10 1595/21 1595/22 1595/23 1596/3 1599/2 1600/4 1600/18 1600/19 became [4] 1489/1 1504/8 1519/11 1536/25 because [40] 1463/10 1465/21 1468/22 1469/20 1471/17 1471/19 1472/25 1473/13 1479/11 1484/13 1489/18 1492/5 1493/5 1493/16 1504/10 1506/3 1508/5 1509/16 1514/12 1517/9 1520/17 1522/4 1522/20 1523/2 1532/22 1534/13 1536/7 1538/24 1545/12 1545/15 1547/6 1547/23 1549/24 1550/19 1554/13 1564/19 1580/24 1587/16 1595/24 1600/3 become [1] 1590/13 becomes [1] 1598/22 been [50] 1461/25 1462/13 1462/23 1462/23 1468/19 1476/13 1476/17 1478/16 1478/20 1479/7 1481/23 1486/1 1499/21 1499/22 1509/1 1509/7 1514/12 1517/18 1523/20 1527/15 1532/10 1532/11 1533/21 1534/4 1537/20 1539/24 1541/7 1541/11 1541/13 1544/21 1545/15 1548/15 1553/15 1555/16 1558/12 1558/16 1563/3 1564/2 1565/8 1566/2 1566/14 1567/19 1569/25 1573/15 1575/5 1581/6 1582/23 1586/23 1588/25 1599/20 before [13] 1459/9 1469/7 1470/7 1471/17 1473/21 1485/11 1488/23 1488/23 1534/3 1539/8 1549/18 1552/2 1575/13 Beg [1] 1592/23 began [6] 1480/20 1480/22 1526/1 1576/13 1591/23 1592/1 begin [4] 1471/21 1526/14 1528/12 1559/7 beginning [5] 1513/17 1526/2 1527/6 1581/3 1589/24 begins [2] 1534/15 1592/18 behalf [3] 1459/22 1460/2 1563/2</p>
---	---	--

<p>B</p> <p>behave [2] 1463/7 1463/8</p> <p>behind [1] 1533/5</p> <p>being [24] 1471/13 1491/17 1502/5 1508/5 1510/6 1526/21 1527/11 1528/18 1532/16 1536/2 1538/23 1539/11 1544/20 1546/19 1549/10 1558/8 1562/12 1565/14 1573/24 1587/17 1594/5 1595/1 1595/2 1598/1</p> <p>believe [52] 1465/2 1467/15 1470/14 1475/13 1477/23 1479/16 1481/18 1484/6 1484/17 1485/7 1485/10 1485/13 1492/3 1493/6 1493/10 1495/18 1496/24 1499/9 1499/15 1500/25 1501/11 1507/23 1508/7 1508/13 1509/2 1510/12 1510/15 1511/11 1511/11 1517/18 1519/22 1521/6 1528/22 1534/8 1535/11 1536/19 1538/14 1545/17 1549/12 1549/21 1550/24 1560/13 1566/16 1567/3 1570/6 1573/9 1587/3 1587/6 1587/9 1587/12 1592/18 1600/5</p> <p>believed [5] 1522/23 1537/13 1549/7 1566/1 1574/6</p> <p>believes [1] 1569/13</p> <p>below [3] 1567/19 1567/20 1567/22</p> <p>benefit [3] 1475/14 1539/6 1539/18</p> <p>Besse [28] 1464/21 1467/23 1478/23 1479/4 1480/20 1489/15 1497/19 1500/21 1500/24 1501/20 1502/24 1518/21 1524/15 1524/20 1524/22 1526/12 1527/24 1531/23 1532/11 1565/8 1569/1 1569/13 1570/16 1570/23 1572/1 1576/18 1578/4 1590/10</p> <p>Besse's [1] 1571/7</p> <p>best [11] 1473/3 1474/9 1475/4 1491/2 1514/23 1561/13 1561/15 1561/16 1561/22 1562/9 1597/21</p> <p>better [7] 1467/23 1468/19 1468/23 1520/11 1569/25 1574/23 1575/6</p> <p>between [11] 1463/20 1471/15 1478/9 1492/4 1517/10 1517/10 1538/21 1548/6 1549/19 1585/11 1594/6</p> <p>beyond [3] 1535/11 1535/13 1536/7</p> <p>Bill [1] 1511/4</p> <p>bit [6] 1476/14 1483/25 1487/24 1501/3 1574/19 1594/14</p> <p>blinders [1] 1571/14</p> <p>block [1] 1522/24</p> <p>board [1] 1548/14</p> <p>boasting [1] 1571/3</p> <p>books [1] 1558/10</p> <p>boric [41] 1462/18 1463/11 1463/13 1463/20 1490/13 1490/14 1490/20 1492/14 1495/15 1496/17 1496/20 1497/23 1498/4 1498/12 1498/21 1500/5 1501/24 1502/2 1503/17 1503/17 1503/20 1504/12 1505/3 1508/7 1508/9 1510/24 1511/3 1514/16 1517/12 1518/2 1518/15 1542/9 1542/14 1542/23 1543/7 1545/22 1568/6 1568/13 1577/25 1578/16 1581/10</p> <p>boron [13] 1463/9 1479/10 1520/13 1520/14 1520/15 1521/15 1569/19 1583/8 1594/8 1595/10 1597/1 1597/4 1597/24</p> <p>borrow [1] 1558/9</p> <p>both [10] 1483/22 1486/1 1491/14 1492/6 1503/10 1506/16 1528/13 1528/23 1540/25 1567/9</p> <p>bottom [9] 1465/9 1465/16 1483/19 1484/7 1490/18 1544/18 1547/20 1547/21 1547/22</p> <p>break [7] 1469/12 1469/13 1471/22 1472/6 1475/20 1523/13 1575/12</p> <p>breaking [1] 1472/3</p> <p>brief [4] 1475/21 1524/3 1575/16 1583/8</p> <p>bring [1] 1588/18</p> <p>brought [1] 1473/18</p>	<p>brown [1] 1503/17</p> <p>bulletin [27] 1478/20 1478/24 1480/21 1481/1 1481/5 1482/3 1484/13 1487/4 1487/7 1488/2 1490/9 1491/6 1491/15 1498/10 1511/21 1512/21 1514/19 1515/1 1531/16 1552/14 1553/5 1553/16 1563/16 1565/13 1579/2 1581/5 1593/19</p> <p>burden [2] 1473/15 1475/18</p> <p>business [2] 1473/9 1477/2</p> <p>but [108] 1469/5 1469/21 1469/22 1478/11 1478/13 1479/18 1481/1 1481/15 1483/24 1485/4 1486/9 1488/24 1489/4 1489/7 1489/23 1490/25 1492/15 1493/11 1493/13 1494/17 1498/21 1499/15 1501/15 1502/8 1503/3 1505/20 1506/9 1506/21 1510/6 1511/13 1511/15 1511/16 1520/12 1520/19 1521/17 1522/11 1522/13 1522/19 1523/19 1524/18 1525/11 1528/1 1528/21 1529/13 1531/4 1532/16 1536/9 1537/24 1538/12 1538/20 1539/1 1539/20 1540/11 1546/7 1546/21 1550/8 1550/9 1550/20 1551/6 1552/23 1552/24 1553/1 1553/3 1553/22 1554/1 1554/8 1554/11 1555/22 1556/22 1557/3 1559/6 1560/14 1561/22 1562/10 1562/19 1563/2 1564/9 1564/18 1566/10 1569/25 1570/2 1577/14 1577/19 1577/21 1578/17 1579/19 1579/21 1579/25 1580/2 1580/8 1580/22 1581/13 1582/3 1582/7 1583/3 1584/12 1586/11 1588/4 1589/3 1591/4 1591/18 1594/19 1595/1 1596/4 1596/21 1597/3 1598/13 1599/23</p> <p>C</p> <p>C.R [1] 1536/19</p> <p>C.R.'s [1] 1537/1</p> <p>calculation [3] 1466/4 1467/6 1467/22</p> <p>call [1] 1510/14</p> <p>called [4] 1464/6 1476/2 1487/21 1510/21</p> <p>calling [1] 1475/24</p> <p>came [6] 1486/3 1503/15 1511/13 1526/17 1548/13 1598/9</p> <p>can [40] 1462/12 1463/8 1465/8 1465/17 1471/18 1472/11 1472/21 1477/15 1479/4 1495/13 1500/14 1501/9 1502/12 1505/9 1513/10 1517/17 1520/11 1520/12 1521/17 1526/4 1528/12 1528/14 1528/22 1534/12 1534/18 1535/13 1535/17 1535/19 1545/10 1556/1 1568/8 1572/20 1577/6 1577/12 1588/7 1588/7 1588/10 1591/16 1593/1 1595/16</p> <p>can't [15] 1462/15 1507/25 1512/4 1518/16 1535/5 1535/6 1535/8 1536/16 1536/16 1555/11 1557/4 1571/8 1571/9 1577/21 1588/22</p> <p>candid [1] 1526/2</p> <p>cannot [2] 1512/12 1577/23</p> <p>capable [1] 1521/24</p> <p>caption [1] 1520/12</p> <p>captions [2] 1519/16 1520/9</p> <p>carbon [1] 1498/12</p> <p>career [2] 1527/10 1571/23</p> <p>career-changing [1] 1571/23</p> <p>carefully [1] 1600/15</p> <p>carrying [1] 1581/4</p> <p>case [19] 1467/23 1468/18 1469/15 1469/17 1469/19 1473/5 1473/13 1480/2 1523/19 1523/22 1523/24 1524/1 1539/12 1591/7 1593/5 1599/18 1600/8 1600/9 1600/13</p> <p>caused [2] 1463/6 1515/14</p> <p>cavity [8] 1533/21 1533/25 1534/3 1538/2 1539/7 1539/24 1540/1 1541/4</p> <p>CC [1] 1558/22</p> <p>CC'd [3] 1486/22 1550/8 1550/9</p>	<p>CD [3] 1492/2 1492/6 1492/8</p> <p>CDs [2] 1491/23 1585/3</p> <p>center [3] 1477/8 1477/11 1517/6</p> <p>centering [1] 1468/25</p> <p>central [5] 1503/13 1508/5 1508/6 1566/25 1567/1</p> <p>certain [1] 1574/22</p> <p>certainly [6] 1475/11 1525/17 1527/7 1531/22 1553/6 1557/19</p> <p>certification [1] 1500/23</p> <p>certified [4] 1464/7 1476/3 1477/9 1477/9</p> <p>certify [1] 1601/3</p> <p>cetera [1] 1515/16</p> <p>CFR [1] 1497/17</p> <p>chance [2] 1493/14 1538/10</p> <p>chances [1] 1511/2</p> <p>change [2] 1562/4 1595/5</p> <p>changed [4] 1493/21 1493/22 1562/8 1580/17</p> <p>changing [3] 1562/12 1571/23 1597/10</p> <p>characterize [1] 1584/16</p> <p>characterized [1] 1584/17</p> <p>charge [1] 1528/6</p> <p>charges [2] 1529/3 1590/14</p> <p>check [3] 1490/24 1534/12 1575/3</p> <p>checked [1] 1599/23</p> <p>checking [1] 1575/6</p> <p>Chevalier [1] 1459/23</p> <p>chief [1] 1599/18</p> <p>Chimahusky [5] 1461/21 1521/6 1521/7 1564/2 1564/18</p> <p>chose [3] 1579/19 1584/7 1584/16</p> <p>Christian [1] 1459/13</p> <p>circumferential [3] 1502/10 1511/21 1538/24</p> <p>circumstance [2] 1539/1 1591/17</p> <p>circumstances [5] 1501/9 1527/23 1539/21 1539/22 1590/10</p> <p>civil [5] 1473/21 1528/13 1528/23 1591/2 1591/5</p> <p>civilly [1] 1526/25</p> <p>claim [1] 1562/9</p> <p>clarification [3] 1493/4 1506/12 1506/21</p> <p>clarified [1] 1587/14</p> <p>clarify [6] 1490/22 1506/1 1514/6 1515/25 1524/16 1567/14</p> <p>clarity [1] 1473/20</p> <p>clean [8] 1479/13 1503/9 1511/1 1511/2 1512/4 1512/12 1540/24 1555/11</p> <p>cleaned [7] 1483/18 1485/12 1541/8 1541/11 1593/6 1597/7 1598/5</p> <p>cleaning [19] 1483/20 1484/8 1485/5 1485/23 1503/6 1508/24 1509/15 1512/15 1520/18 1540/17 1541/14 1541/16 1543/23 1547/6 1547/24 1549/5 1592/16 1593/6 1593/8</p> <p>clear [11] 1468/15 1533/10 1533/13 1533/24 1545/7 1557/11 1557/11 1559/16 1560/19 1569/20 1569/21</p> <p>clearly [8] 1535/24 1539/11 1544/22 1556/8 1556/10 1557/25 1560/24 1598/14</p> <p>Cleveland [2] 1459/13 1459/15</p> <p>client's [1] 1470/18</p> <p>Clinton [1] 1501/12</p> <p>close [1] 1471/25</p> <p>closed [2] 1509/17 1593/7</p> <p>closer [1] 1501/2</p> <p>closing [1] 1548/21</p> <p>co [2] 1520/24 1525/7</p> <p>co-worker [1] 1525/7</p> <p>co-workers [1] 1520/24</p> <p>collateral [2] 1502/5 1504/5</p> <p>colleagues [3] 1576/6 1586/22 1588/19</p> <p>collects [1] 1463/11</p>
---	--	--

C		
<p>college [1] 1476/24 color [1] 1503/17 combination [1] 1494/25 come [5] 1469/20 1470/25 1473/1 1573/11 1576/22 comes [3] 1522/13 1534/25 1583/1 comfortable [1] 1471/22 coming [7] 1463/9 1505/4 1505/6 1541/16 1551/4 1565/16 1584/7 comment [9] 1472/19 1508/8 1514/7 1517/5 1549/10 1549/18 1553/22 1555/8 1588/4 comments [4] 1482/5 1518/18 1559/21 1570/19 Commission [5] 1476/10 1508/12 1527/22 1528/3 1590/9 committed [1] 1589/5 committee [4] 1487/19 1487/20 1487/21 1502/6 committees [1] 1503/24 common [1] 1593/11 communicate [1] 1531/23 communicated [1] 1572/17 companies [1] 1478/7 company [3] 1478/8 1515/13 1526/11 comparison [1] 1530/1 compilation [1] 1572/17 compiled [1] 1573/24 compiling [1] 1574/7 complete [1] 1485/8 completed [8] 1477/11 1500/22 1510/4 1510/7 1516/12 1523/20 1523/20 1547/8 completely [1] 1541/11 completeness [4] 1471/7 1592/20 1592/25 1594/15 complimenting [1] 1571/16 component [1] 1498/13 compromised [6] 1496/16 1594/7 1594/18 1595/9 1595/21 1595/23 concerned [1] 1554/20 concluded [1] 1549/9 conclusion [2] 1518/1 1584/7 conclusions [1] 1508/3 condition [54] 1474/4 1491/8 1491/12 1492/19 1492/24 1492/25 1493/13 1503/10 1504/23 1505/1 1505/2 1505/5 1505/5 1505/17 1506/14 1506/18 1506/23 1507/22 1508/15 1508/19 1508/21 1509/1 1534/15 1537/14 1541/1 1547/1 1547/2 1548/3 1548/7 1548/10 1548/11 1548/15 1548/22 1548/24 1549/1 1549/3 1579/15 1580/6 1580/21 1580/23 1581/14 1582/16 1583/3 1583/15 1583/16 1593/20 1593/25 1596/17 1596/17 1596/22 1597/23 1598/10 1598/11 1599/1 conduct [1] 1477/5 conducted [6] 1473/5 1497/22 1497/23 1526/21 1576/6 1589/7 conducting [2] 1527/8 1586/21 conference [2] 1469/9 1505/11 confidence [1] 1577/20 confident [1] 1489/8 conflict [1] 1497/16 confused [1] 1488/4 confusion [3] 1545/8 1545/10 1561/11 connection [5] 1477/4 1526/22 1527/12 1528/19 1578/4 Conroy [3] 1460/4 1461/17 1483/5 conscious [1] 1546/11 consequences [1] 1498/15 conservative [2] 1467/10 1467/24 consider [2] 1518/23 1571/15</p>	<p>considerable [1] 1518/2 considered [1] 1524/17 considering [1] 1481/1 consistent [3] 1582/23 1598/1 1599/25 constitute [1] 1474/22 constructing [1] 1488/16 consult [1] 1577/6 consulted [3] 1564/18 1564/21 1564/21 consulting [2] 1478/8 1495/24 contacted [1] 1465/22 contained [3] 1473/25 1505/24 1522/17 containing [1] 1508/21 context [11] 1471/1 1471/8 1532/14 1534/25 1554/2 1554/9 1555/4 1555/15 1560/16 1595/12 1595/16 continue [1] 1551/23 continuing [2] 1500/4 1501/23 continuously [1] 1478/6 contracted [1] 1465/21 contractor [1] 1476/20 control [18] 1490/11 1496/21 1497/24 1498/4 1498/21 1500/5 1501/25 1502/3 1504/13 1516/6 1566/19 1567/6 1567/9 1578/1 1578/17 1581/6 1581/25 1582/1 conversation [17] 1467/14 1470/21 1470/21 1493/15 1529/9 1529/10 1529/16 1529/21 1538/25 1543/10 1544/12 1546/17 1549/9 1549/22 1550/4 1580/7 1580/13 conversations [6] 1468/24 1479/4 1566/1 1566/6 1566/9 1566/14 converting [2] 1491/22 1585/3 convey [1] 1474/6 convince [2] 1487/22 1518/22 convinced [1] 1590/13 Cook [75] 1460/2 1470/14 1473/4 1477/5 1477/15 1477/24 1480/10 1480/17 1481/2 1481/2 1481/13 1482/2 1482/8 1483/1 1483/14 1484/19 1486/3 1486/20 1486/22 1487/11 1487/21 1487/25 1488/13 1490/23 1493/4 1494/10 1494/18 1495/17 1498/1 1498/3 1498/18 1498/23 1507/10 1507/13 1507/16 1536/9 1576/6 1576/13 1576/25 1577/4 1577/11 1577/18 1577/25 1578/4 1578/9 1578/12 1578/18 1578/23 1579/1 1579/8 1579/14 1579/22 1580/3 1580/5 1580/14 1581/4 1581/8 1581/16 1581/22 1582/15 1583/5 1583/13 1583/15 1584/5 1584/21 1585/10 1585/16 1585/23 1586/7 1587/15 1588/19 1589/2 1589/9 1589/23 1596/24 Cook's [8] 1499/8 1575/22 1577/25 1582/22 1586/4 1591/21 1596/11 1596/21 cooler [1] 1498/13 coordinator [1] 1481/4 copies [1] 1484/25 copy [4] 1491/24 1558/9 1576/2 1585/4 correct [200] corrected [1] 1493/25 corrective [4] 1498/17 1504/11 1548/22 1549/4 correctly [3] 1472/23 1549/20 1581/11 corrosion [12] 1497/23 1498/4 1498/12 1498/21 1500/5 1501/24 1502/2 1504/13 1520/21 1578/1 1578/17 1598/13 could [38] 1461/14 1463/13 1463/15 1465/25 1466/21 1466/24 1467/10 1469/6 1471/21 1473/1 1473/1 1478/21 1482/14 1486/11 1493/3 1493/4 1495/21 1501/2 1502/14 1509/16 1509/18 1520/17 1525/11 1525/23 1528/13 1529/2 1532/19 1537/24 1545/12 1555/25 1556/16 1558/9 1565/18 1569/24 1594/21 1594/22 1595/18 1597/16 couldn't [8] 1486/9 1493/15 1503/9 1540/24 1556/5 1568/16 1577/12 1595/3</p>	<p>counsel [14] 1470/9 1474/14 1474/18 1507/18 1523/16 1527/20 1529/23 1534/16 1538/9 1544/14 1568/21 1572/14 1592/8 1600/17 counter [1] 1473/23 couple [4] 1492/15 1499/12 1534/24 1593/9 course [10] 1464/18 1469/8 1471/14 1478/15 1491/5 1493/23 1505/10 1511/14 1587/14 1588/15 court [16] 1459/1 1460/8 1464/8 1472/2 1473/21 1473/24 1482/17 1489/13 1494/16 1500/1 1501/14 1521/8 1525/5 1525/15 1589/6 1599/21 Court's [3] 1544/6 1558/9 1599/23 courtroom [3] 1473/2 1475/22 1476/13 covered [2] 1517/12 1547/11 covers [2] 1524/15 1524/20 CR [3] 1537/19 1549/1 1597/3 CR's [1] 1579/23 crack [4] 1504/6 1504/9 1513/9 1554/9 cracked [3] 1514/3 1554/2 1556/17 cracking [7] 1502/1 1502/9 1502/10 1503/25 1511/21 1538/24 1539/2 cracks [1] 1538/15 crawler [1] 1551/15 create [2] 1481/11 1488/11 creates [1] 1487/5 credibility [1] 1494/13 credit [2] 1513/25 1514/11 credited [1] 1521/14 criminal [22] 1476/18 1476/25 1477/12 1526/6 1526/22 1527/1 1527/4 1527/8 1527/12 1528/4 1528/6 1528/9 1528/14 1528/19 1528/23 1529/3 1576/15 1590/14 1590/17 1590/25 1591/1 1591/12 Criterion [1] 1497/16 critical [3] 1540/6 1540/8 1574/21 criticism [1] 1550/19 cross [13] 1461/2 1468/9 1468/11 1471/5 1471/11 1471/21 1473/17 1475/15 1496/7 1524/4 1524/6 1575/17 1591/14 CRR [2] 1460/8 1601/8 crystal [2] 1496/17 1496/20 Cummings [2] 1482/6 1568/1 cure [1] 1474/5 current [1] 1484/25 cut [6] 1461/10 1461/25 1462/3 1462/5 1462/6 1512/14 cuts [3] 1461/14 1461/14 1461/22</p> <p>D</p> <p>D-10 [4] 1461/10 1461/22 1462/19 1463/3 D.C [1] 1459/19 dash [1] 1536/25 date [12] 1477/22 1487/8 1491/24 1495/3 1495/4 1512/21 1585/5 1585/19 1585/24 1587/7 1587/10 1601/8 dated [6] 1489/16 1494/20 1500/7 1500/8 1511/22 1577/8 dates [1] 1589/1 Dave [15] 1467/15 1477/5 1494/18 1510/20 1510/21 1511/20 1516/2 1528/17 1532/4 1547/5 1566/20 1567/4 1567/16 1567/22 1568/3 DAVID [6] 1459/6 1459/9 1459/22 1466/18 1510/23 1512/20 Davis [29] 1464/21 1467/23 1478/23 1479/4 1480/20 1489/15 1497/19 1500/21 1500/24 1501/20 1502/24 1518/21 1524/15 1524/20 1524/22 1526/12 1527/24 1531/23 1532/11 1565/8 1569/1 1569/13 1570/16 1570/23 1571/7 1572/1 1576/18 1578/4 1590/10</p>

D		
Davis-Besse [28] 1464/21 1467/23 1478/23 1479/4 1480/20 1489/15 1497/19 1500/21 1500/24 1501/20 1502/24 1518/21 1524/15 1524/20 1524/22 1526/12 1527/24 1531/23 1532/11 1565/8 1569/1 1569/13 1570/16 1570/23 1572/1 1576/18 1578/4 1590/10	deviation [2] 1597/8 1598/6 did [215] didn't [52] 1475/20 1481/15 1486/8 1493/14 1506/3 1511/16 1512/2 1514/9 1514/20 1514/22 1518/9 1521/18 1522/11 1527/2 1527/7 1540/3 1543/21 1544/3 1544/3 1545/11 1546/10 1546/16 1548/10 1550/12 1555/6 1556/5 1556/7 1556/8 1559/9 1563/6 1572/13 1574/2 1574/8 1574/20 1578/13 1580/3 1582/4 1583/18 1584/9 1584/11 1584/15 1585/17 1585/20 1587/2 1587/5 1587/7 1587/24 1588/2 1588/8 1588/21 1595/1 1595/25 difference [3] 1538/21 1548/6 1559/12 different [7] 1473/2 1478/7 1538/2 1540/2 1544/21 1570/18 1573/22 difficult [2] 1481/11 1488/11 difficulty [2] 1479/9 1479/11 digested [1] 1475/11 direct [16] 1464/10 1471/16 1476/4 1535/12 1535/14 1542/8 1562/2 1563/12 1567/4 1567/5 1567/11 1567/23 1567/23 1567/25 1577/12 1577/21 directed [3] 1519/4 1519/6 1572/7 directing [2] 1464/20 1466/3 directly [5] 1463/24 1507/13 1553/15 1574/3 1596/4 disclosure [1] 1497/1 discovered [2] 1533/21 1534/4 discovery [6] 1533/25 1538/1 1539/7 1540/1 1541/4 1598/13 discuss [15] 1469/14 1469/16 1483/1 1490/22 1496/23 1508/14 1511/25 1523/22 1523/23 1544/3 1554/8 1555/1 1590/21 1600/9 1600/10 discussed [13] 1482/8 1487/17 1491/1 1511/23 1512/8 1512/22 1512/23 1544/20 1548/8 1560/12 1577/2 1577/18 1592/24 discussing [4] 1483/13 1531/13 1532/9 1541/23 discussion [23] 1491/5 1506/4 1521/22 1534/15 1535/1 1538/17 1545/6 1547/10 1554/2 1554/9 1558/24 1560/16 1563/10 1573/23 1577/3 1577/7 1577/11 1577/16 1577/22 1592/7 1593/17 1594/6 1596/9 discussions [6] 1488/22 1488/25 1531/9 1531/22 1544/19 1570/6 dismissed [2] 1469/24 1600/16 display [11] 1465/6 1481/19 1486/16 1490/7 1495/11 1506/18 1507/3 1507/20 1509/5 1511/19 1519/19 displayed [5] 1465/7 1465/9 1480/6 1490/4 1495/9 displaying [3] 1484/3 1484/17 1485/2 disregard [4] 1502/17 1584/8 1584/11 1584/12 disregarded [1] 1584/14 distinct [1] 1557/19 distinctly [3] 1548/10 1548/14 1548/16 distorted [1] 1473/10 DISTRICT [3] 1459/1 1459/1 1459/10 DIVISION [1] 1459/2 do [114] 1462/9 1464/25 1465/6 1465/22 1466/5 1467/25 1468/4 1469/11 1469/14 1469/16 1469/17 1472/16 1472/20 1475/6 1476/9 1476/15 1476/15 1477/22 1479/23 1480/5 1482/7 1482/9 1483/7 1483/13 1484/4 1485/5 1485/7 1487/3 1496/24 1499/17 1506/3 1506/8 1506/10 1507/21 1515/15 1515/22 1517/21 1518/16 1519/5 1520/5 1520/7 1520/22 1521/7 1523/23 1523/25 1525/9 1528/11 1530/7 1538/5 1538/17 1539/15 1540/18 1540/20 1541/15 1544/19 1547/2 1547/16 1547/19 1549/13	1550/4 1550/16 1551/15 1553/8 1553/19 1556/14 1557/13 1558/12 1561/23 1563/1 1563/25 1564/10 1564/14 1564/20 1565/1 1568/7 1568/13 1568/16 1569/1 1569/13 1569/15 1570/25 1571/15 1572/9 1572/10 1574/12 1575/9 1576/24 1577/1 1577/4 1578/1 1578/5 1578/25 1579/12 1579/13 1580/10 1582/1 1584/20 1585/6 1585/13 1585/22 1585/25 1588/20 1588/23 1589/22 1590/18 1592/7 1592/22 1593/17 1593/20 1594/5 1594/9 1595/1 1599/19 1600/12 Docket [1] 1459/3 document [24] 1465/6 1480/5 1489/13 1489/25 1492/1 1493/7 1494/15 1497/2 1499/20 1500/2 1500/9 1504/19 1511/24 1512/17 1533/11 1534/8 1554/18 1559/5 1559/8 1561/7 1563/13 1576/2 1577/8 1599/10 documentation [3] 1499/7 1597/6 1598/4 documented [1] 1497/18 documents [9] 1478/16 1499/12 1522/3 1523/5 1534/1 1534/6 1548/22 1550/22 1581/13 does [14] 1470/3 1484/23 1484/24 1490/9 1496/4 1497/1 1497/3 1522/22 1526/6 1527/3 1539/16 1552/6 1558/10 1597/24 doesn't [8] 1486/7 1496/2 1497/7 1497/7 1545/7 1553/9 1556/22 1557/3 doing [9] 1516/20 1522/20 1549/4 1553/4 1554/14 1560/22 1563/25 1573/12 1595/3 don't [65] 1468/6 1468/6 1471/9 1471/12 1472/3 1472/11 1472/22 1474/10 1475/8 1492/16 1501/13 1505/8 1506/17 1506/24 1508/13 1518/23 1518/23 1525/11 1530/9 1531/4 1531/4 1532/22 1535/13 1536/7 1536/21 1538/7 1539/9 1539/10 1547/11 1548/12 1548/14 1548/16 1550/1 1550/18 1551/10 1553/17 1555/18 1555/22 1561/25 1562/9 1562/25 1564/8 1564/17 1566/7 1568/15 1568/19 1572/19 1573/23 1575/1 1575/23 1577/13 1579/17 1583/17 1583/22 1588/3 1588/24 1589/1 1589/3 1589/5 1589/18 1592/12 1597/3 1598/17 1600/17 1600/17 done [30] 1461/23 1469/4 1471/17 1475/14 1478/20 1478/23 1489/23 1496/10 1502/24 1503/6 1509/17 1510/6 1513/24 1514/23 1527/10 1540/17 1545/1 1545/4 1547/25 1549/7 1549/25 1561/14 1561/17 1561/22 1564/2 1565/8 1574/23 1575/6 1578/4 1580/24 double [1] 1534/12 doubt [2] 1531/5 1551/10 doubts [1] 1573/20 down [5] 1464/2 1470/5 1544/7 1565/15 1599/16 dozen [1] 1538/6 draft [7] 1483/25 1484/23 1484/25 1494/19 1494/23 1495/12 1516/13 drafting [6] 1532/5 1533/6 1533/11 1552/21 1552/24 1553/16 dramatic [1] 1589/3 draw [1] 1464/24 drawings [1] 1497/19 drew [1] 1508/3 drive [6] 1490/11 1496/21 1581/7 1581/25 1582/1 1600/14 drives [1] 1521/14 drove [1] 1541/15 due [5] 1490/17 1496/19 1513/7 1594/7 1595/21 duly [2] 1464/6 1476/2 duplicative [2] 1548/25 1549/10 during [56] 1461/6 1461/12 1470/16

D during... [53] 1471/11 1474/7 1480/23 1490/12 1490/16 1491/21 1491/25 1493/23 1497/22 1498/6 1498/9 1498/18 1503/14 1503/14 1503/16 1503/20 1504/20 1506/3 1508/8 1510/13 1516/23 1516/23 1528/2 1529/16 1529/21 1529/25 1530/18 1538/6 1542/9 1542/15 1543/19 1544/4 1544/21 1545/11 1545/23 1545/25 1546/20 1547/1 1553/25 1554/19 1565/8 1572/11 1573/13 1578/9 1579/1 1580/7 1580/8 1581/5 1582/17 1584/22 1585/2 1587/14 1600/7 duties [1] 1477/4 duty [2] 1502/5 1504/5	1505/3 enhanced [1] 1512/5 Enjoy [2] 1524/1 1600/15 enlarge [5] 1482/25 1485/3 1485/17 1512/7 1555/13 enlarged [1] 1489/4 enlarging [2] 1484/4 1484/18 enlightened [1] 1588/11 enough [2] 1556/8 1556/10 enrolled [1] 1500/21 ensure [1] 1575/4 ensuring [1] 1574/24 entered [1] 1475/22 entertain [1] 1472/18 entire [6] 1475/19 1527/10 1544/17 1554/12 1565/7 1597/14 entirely [1] 1582/23 entitled [2] 1482/23 1601/4 Ermer [1] 1460/3 Eschelman [2] 1567/22 1568/3 especially [1] 1502/3 estate [1] 1477/2 et [2] 1459/6 1515/16 evaluated [1] 1548/3 evaluation [2] 1462/1 1467/3 evaluations [4] 1461/13 1461/24 1462/2 1462/3 even [7] 1462/4 1468/22 1472/1 1517/12 1518/7 1533/10 1591/2 event [6] 1498/11 1502/3 1504/10 1571/23 1578/5 1578/5 ever [3] 1468/5 1550/1 1587/14 every [2] 1564/8 1565/16 everything [2] 1538/13 1546/6 evidence [32] 1462/17 1462/18 1462/24 1463/21 1463/23 1465/3 1473/3 1473/25 1474/14 1474/25 1475/4 1478/17 1479/16 1479/21 1479/22 1479/25 1481/18 1484/17 1486/16 1489/12 1490/1 1494/16 1499/12 1507/5 1507/6 1509/8 1510/16 1518/11 1519/23 1526/25 1568/9 1590/20 exact [3] 1525/23 1544/4 1545/6 exam [3] 1504/20 1513/24 1596/1 examination [24] 1461/2 1461/19 1463/18 1464/6 1464/10 1468/11 1469/12 1471/5 1471/21 1473/17 1475/15 1476/2 1476/4 1487/5 1496/8 1497/20 1506/3 1518/14 1524/6 1562/5 1568/12 1575/17 1589/15 1595/8 examinations [6] 1518/15 1568/7 1568/13 1569/1 1569/14 1569/15 example [1] 1531/6 examples [1] 1539/16 exams [1] 1546/6 exception [1] 1506/7 excuse [5] 1467/3 1475/6 1542/12 1570/5 1594/12 excused [1] 1469/25 exhibit [39] 1464/25 1465/3 1479/16 1480/2 1480/8 1481/17 1481/18 1481/21 1481/22 1482/22 1484/16 1484/17 1486/14 1489/10 1490/4 1494/15 1495/6 1495/9 1499/14 1499/20 1504/18 1506/25 1507/2 1510/15 1511/19 1512/19 1517/16 1517/21 1519/20 1520/15 1527/16 1558/12 1558/15 1576/3 1577/3 1577/4 1577/5 1577/7 1577/16 exhibits [1] 1599/20 existence [2] 1461/10 1569/19 existing [1] 1595/4 exits [1] 1517/10 expect [1] 1471/6 expectations [1] 1569/10 expected [2] 1503/10 1540/25	experience [5] 1461/21 1500/16 1503/21 1542/11 1542/16 expert [1] 1562/10 expertise [1] 1477/2 explain [2] 1470/8 1526/4 explained [1] 1581/9 explanation [1] 1551/4 extended [1] 1523/13 extensive [2] 1475/15 1517/2 extent [6] 1498/20 1529/4 1532/25 1554/20 1578/16 1581/8 extenuating [1] 1539/21 extra [2] 1491/23 1585/4 extrapolation [1] 1578/20
E e-mail [51] 1465/13 1465/16 1466/14 1466/17 1468/16 1480/10 1480/11 1480/12 1481/9 1481/13 1482/1 1482/3 1482/7 1484/18 1486/15 1486/19 1487/9 1487/12 1488/10 1488/13 1494/18 1494/22 1495/12 1510/19 1511/5 1511/8 1511/20 1512/20 1513/8 1550/4 1550/6 1550/9 1550/11 1553/19 1553/22 1555/3 1555/15 1557/14 1557/20 1558/5 1558/17 1559/1 1559/17 1559/19 1559/20 1560/1 1560/6 1560/8 1560/10 1560/19 1561/2 e-mailed [2] 1466/14 1466/18 e-mailing [1] 1467/13 e-mails [2] 1511/14 1557/22 each [1] 1541/10 earlier [14] 1463/7 1485/21 1498/10 1498/11 1503/21 1542/10 1542/16 1542/23 1543/8 1543/17 1543/20 1543/22 1580/12 1599/3 early [9] 1469/12 1471/20 1472/2 1480/24 1492/3 1516/24 1523/18 1591/22 1591/23 easily [2] 1465/8 1537/24 Ed [2] 1521/6 1564/2 editorializing [1] 1557/6 education [3] 1477/25 1500/4 1501/24 effect [1] 1591/20 effective [1] 1551/15 efficiently [1] 1559/17 effort [2] 1489/24 1492/18 either [9] 1485/20 1492/22 1493/7 1525/7 1562/20 1574/5 1579/10 1579/18 1581/6 electrical [2] 1500/25 1501/4 eliciting [2] 1535/21 1535/23 else [10] 1469/15 1469/16 1507/4 1518/24 1519/4 1523/23 1530/11 1544/2 1564/10 1600/10 emphasis [1] 1531/20 emphasize [1] 1494/8 employee [4] 1464/21 1479/4 1521/3 1524/10 employing [1] 1552/10 employment [1] 1478/5 enable [1] 1490/20 end [10] 1469/19 1485/20 1492/5 1515/23 1524/1 1530/19 1543/24 1551/24 1585/12 1600/13 ended [5] 1477/19 1492/6 1510/6 1529/19 1565/16 Energy [2] 1498/16 1526/10 enforcement [4] 1477/11 1498/6 1498/9 1528/13 engineer [3] 1478/11 1487/18 1502/4 engineering [16] 1462/2 1478/4 1489/14 1490/23 1492/13 1500/4 1500/25 1501/4 1501/6 1504/4 1516/4 1516/6 1566/18 1567/6 1567/9 1567/10 engineers [4] 1502/2 1504/11 1504/14	1554/12 1565/7 1597/14 entirely [1] 1582/23 entitled [2] 1482/23 1601/4 Ermer [1] 1460/3 Eschelman [2] 1567/22 1568/3 especially [1] 1502/3 estate [1] 1477/2 et [2] 1459/6 1515/16 evaluated [1] 1548/3 evaluation [2] 1462/1 1467/3 evaluations [4] 1461/13 1461/24 1462/2 1462/3 even [7] 1462/4 1468/22 1472/1 1517/12 1518/7 1533/10 1591/2 event [6] 1498/11 1502/3 1504/10 1571/23 1578/5 1578/5 ever [3] 1468/5 1550/1 1587/14 every [2] 1564/8 1565/16 everything [2] 1538/13 1546/6 evidence [32] 1462/17 1462/18 1462/24 1463/21 1463/23 1465/3 1473/3 1473/25 1474/14 1474/25 1475/4 1478/17 1479/16 1479/21 1479/22 1479/25 1481/18 1484/17 1486/16 1489/12 1490/1 1494/16 1499/12 1507/5 1507/6 1509/8 1510/16 1518/11 1519/23 1526/25 1568/9 1590/20 exact [3] 1525/23 1544/4 1545/6 exam [3] 1504/20 1513/24 1596/1 examination [24] 1461/2 1461/19 1463/18 1464/6 1464/10 1468/11 1469/12 1471/5 1471/21 1473/17 1475/15 1476/2 1476/4 1487/5 1496/8 1497/20 1506/3 1518/14 1524/6 1562/5 1568/12 1575/17 1589/15 1595/8 examinations [6] 1518/15 1568/7 1568/13 1569/1 1569/14 1569/15 example [1] 1531/6 examples [1] 1539/16 exams [1] 1546/6 exception [1] 1506/7 excuse [5] 1467/3 1475/6 1542/12 1570/5 1594/12 excused [1] 1469/25 exhibit [39] 1464/25 1465/3 1479/16 1480/2 1480/8 1481/17 1481/18 1481/21 1481/22 1482/22 1484/16 1484/17 1486/14 1489/10 1490/4 1494/15 1495/6 1495/9 1499/14 1499/20 1504/18 1506/25 1507/2 1510/15 1511/19 1512/19 1517/16 1517/21 1519/20 1520/15 1527/16 1558/12 1558/15 1576/3 1577/3 1577/4 1577/5 1577/7 1577/16 exhibits [1] 1599/20 existence [2] 1461/10 1569/19 existing [1] 1595/4 exits [1] 1517/10 expect [1] 1471/6 expectations [1] 1569/10 expected [2] 1503/10 1540/25	F face [1] 1473/10 fact [39] 1467/19 1470/18 1473/10 1474/2 1475/3 1481/16 1526/8 1526/16 1527/17 1527/23 1530/5 1531/19 1532/1 1542/19 1543/19 1544/3 1553/17 1553/25 1554/7 1555/2 1557/23 1561/21 1562/16 1562/18 1564/15 1569/24 1571/22 1572/11 1574/19 1576/18 1579/14 1582/7 1584/15 1585/16 1588/17 1590/9 1590/18 1591/15 1593/8 fact-finding [3] 1527/23 1576/18 1590/9 failed [2] 1489/4 1489/5 Faintly [1] 1594/9 fair [5] 1470/20 1563/13 1566/16 1577/15 1577/19 fall [11] 1474/5 1510/13 1534/9 1536/24 1537/12 1537/14 1537/19 1564/8 1580/8 1580/17 1584/22 familiar [6] 1474/18 1488/20 1488/21 1488/23 1488/24 1577/25 familiarity [1] 1501/25 far [6] 1468/21 1489/2 1491/12 1492/13 1523/4 1566/6 fashion [1] 1471/4 fast [1] 1472/9 Federal [1] 1477/11 feel [2] 1565/15 1590/20 felt [3] 1467/21 1498/14 1538/20 FENOC [5] 1515/15 1517/9 1522/3 1586/5 1586/23 FENOC's [2] 1468/18 1515/9 few [3] 1469/19 1469/22 1471/18 field [1] 1505/3 Fifteenth [1] 1459/25 figure [4] 1471/8 1471/10 1551/1 1566/25 figures [1] 1567/1 file [1] 1519/14 film [4] 1461/4 1461/5 1461/6 1461/9 filter [1] 1538/14 final [3] 1497/2 1546/5 1562/24 find [4] 1482/4 1485/15 1577/12 1588/10 finding [5] 1504/9 1511/3 1527/23 1576/18 1590/9 findings [1] 1467/4 fine [2] 1507/15 1530/23 finish [2] 1471/20 1555/24 finishes [1] 1472/1 fire [2] 1476/23 1477/1 first [31] 1461/4 1461/5 1464/6 1465/11 1466/2 1476/2 1476/22 1480/13 1481/6 1482/24 1488/23 1495/2 1495/11 1495/13 1498/16 1500/25 1513/12 1514/19 1526/10 1529/17 1534/8 1538/16 1548/3 1550/25 1551/11 1555/21 1562/10 1565/7 1596/10 1597/18 1600/4 five [11] 1470/19 1476/24 1529/11 1529/14 1541/10 1566/23 1573/3 1573/8 1575/13 1575/14 1588/25 five-hour [1] 1470/19

F	G	
flange [40] 1461/10 1462/4 1462/9 1462/12 1462/19 1463/3 1463/7 1463/21 1463/22 1463/24 1490/19 1496/21 1503/18 1518/18 1518/22 1518/24 1519/1 1519/3 1519/8 1521/15 1552/7 1570/15 1570/20 1570/20 1572/7 1572/9 1572/13 1572/18 1573/24 1574/3 1574/7 1581/7 1582/1 1582/2 1583/4 1596/18 1596/22 1597/9 1597/20 1597/25	gained [2] 1478/5 1539/7 gang [1] 1474/3 gap [11] 1465/22 1465/23 1466/10 1467/1 1467/2 1467/8 1467/11 1517/9 1521/24 1522/5 1562/4 gaps [2] 1465/24 1466/10 gaskets [1] 1462/4 gave [3] 1560/13 1583/14 1598/9 Gavula [11] 1535/1 1536/14 1536/23 1572/24 1573/1 1573/3 1573/7 1573/10 1573/14 1576/11 1587/13 Gavula's [2] 1572/21 1575/2 GEISEN [132] 1459/6 1459/22 1466/18 1467/13 1470/13 1473/4 1477/5 1500/4 1500/15 1503/23 1504/13 1505/21 1505/21 1505/23 1506/15 1506/22 1507/10 1507/16 1507/17 1507/24 1508/2 1509/22 1510/20 1511/10 1511/10 1511/20 1512/20 1515/4 1516/2 1516/14 1518/5 1518/9 1518/12 1519/16 1520/2 1520/22 1525/1 1526/2 1526/21 1527/6 1527/17 1527/21 1528/2 1528/17 1529/11 1531/2 1532/4 1533/17 1533/24 1536/8 1536/9 1536/17 1537/11 1537/25 1538/10 1539/6 1539/17 1539/24 1540/16 1540/21 1541/6 1541/12 1542/8 1542/14 1543/6 1543/10 1544/19 1544/22 1546/3 1547/5 1547/11 1549/23 1550/7 1550/12 1552/1 1553/13 1553/21 1554/17 1556/19 1557/13 1558/22 1559/5 1559/9 1559/21 1560/6 1560/19 1561/12 1561/16 1562/8 1562/23 1562/25 1563/15 1563/19 1565/9 1565/23 1565/25 1566/4 1566/12 1566/20 1567/4 1567/12 1567/17 1567/19 1567/20 1568/6 1568/10 1568/17 1568/24 1570/15 1571/11 1571/19 1572/6 1572/23 1572/25 1573/2 1573/6 1573/9 1573/12 1573/15 1574/2 1574/6 1574/15 1574/15 1574/20 1575/5 1589/23 1591/21 1592/11 1593/12 1593/18 1594/6 1594/22 Geisen's [20] 1472/15 1491/22 1516/7 1517/23 1525/13 1525/23 1535/22 1535/23 1536/3 1536/24 1542/4 1546/25 1563/10 1572/16 1574/11 1576/23 1585/2 1590/2 1592/8 1592/18 general [3] 1518/17 1570/19 1580/15 generally [4] 1462/1 1526/25 1548/1 1590/1 generated [2] 1573/14 1573/15 generic [1] 1515/20 gentlemen [5] 1469/11 1470/15 1483/5 1523/12 1600/2 get [22] 1478/11 1489/3 1489/8 1491/23 1492/5 1493/14 1504/14 1511/16 1515/15 1517/15 1517/17 1520/11 1523/17 1545/10 1546/5 1554/13 1571/11 1577/14 1585/4 1585/12 1593/6 1596/11 gets [2] 1471/25 1511/14 getting [1] 1479/11 Gibbs [3] 1517/22 1517/22 1518/3 Gibbs' [1] 1518/8 give [4] 1472/3 1523/15 1551/3 1557/13 gives [1] 1552/6 giving [7] 1532/10 1533/2 1557/16 1560/22 1579/12 1585/6 1597/9 go [31] 1467/9 1469/22 1479/6 1495/22 1502/2 1507/12 1513/6 1513/21 1513/23 1514/4 1515/21 1516/14 1523/20 1525/23 1528/1 1528/23 1535/15 1538/10 1540/14 1541/18 1544/16 1546/11 1556/16 1556/18 1558/24 1560/3 1563/5 1563/8 1572/21 1575/14 1580/1 goes [5] 1485/4 1544/14 1562/16 1573/17	1592/20 going [63] 1470/9 1470/14 1471/6 1471/8 1471/19 1472/16 1473/2 1479/15 1482/23 1485/3 1485/14 1485/17 1489/10 1494/1 1495/11 1496/13 1497/11 1497/21 1498/7 1499/11 1499/13 1499/13 1506/8 1507/1 1510/4 1512/7 1513/9 1513/14 1514/14 1515/21 1515/23 1517/13 1519/17 1519/19 1523/12 1527/15 1532/12 1535/10 1536/10 1539/12 1544/16 1546/21 1547/8 1547/25 1549/7 1549/24 1563/11 1569/13 1569/14 1572/12 1572/24 1576/2 1586/5 1589/16 1591/3 1592/21 1593/3 1593/5 1594/14 1595/3 1595/4 1595/5 1596/9 gone [3] 1537/24 1548/15 1591/19 good [15] 1468/13 1468/14 1511/1 1511/4 1513/24 1520/3 1524/8 1524/9 1532/1 1556/18 1575/19 1575/20 1593/1 1599/24 1600/1 Gordon [7] 1460/3 1460/3 1461/16 1473/15 1575/18 1576/1 1596/9 got [18] 1465/17 1472/13 1472/14 1473/11 1474/23 1476/24 1477/8 1481/20 1489/15 1502/8 1504/5 1504/15 1504/16 1511/12 1516/13 1521/4 1553/10 1559/6 gotten [2] 1481/15 1544/23 government [12] 1470/12 1471/3 1471/15 1471/17 1472/1 1475/23 1532/15 1577/3 1599/18 1599/21 1600/3 1600/3 government's [17] 1464/3 1479/15 1480/8 1481/17 1486/13 1489/10 1490/3 1494/14 1495/8 1499/14 1499/20 1510/15 1511/18 1512/19 1517/21 1519/20 1558/11 Goyal [27] 1479/7 1479/8 1480/13 1480/14 1481/9 1482/6 1484/19 1486/19 1487/17 1487/18 1487/22 1488/22 1489/1 1489/3 1489/6 1489/8 1492/25 1493/17 1510/20 1511/20 1512/20 1553/19 1555/10 1559/4 1560/10 1561/3 1564/3 graduated [1] 1478/3 grammar [2] 1562/9 1562/9 Granted [1] 1502/17 Gray [2] 1480/12 1480/12 great [3] 1517/4 1568/25 1572/12 green [1] 1522/7 greensheet [3] 1522/24 1523/3 1564/15 greensheets [1] 1498/24 Greg [1] 1517/22 groove [1] 1462/7 grooves [1] 1461/11 grounds [2] 1532/13 1535/11 group [11] 1462/2 1487/20 1501/1 1501/4 1502/5 1502/6 1502/7 1504/4 1504/6 1516/4 1562/17 growth [5] 1513/9 1514/3 1554/3 1554/9 1556/17 guarded [2] 1529/16 1529/21 guess [22] 1465/11 1466/4 1469/5 1471/25 1472/2 1479/13 1481/20 1538/22 1543/24 1547/20 1556/19 1557/24 1559/6 1560/24 1562/2 1562/8 1562/13 1562/19 1563/2 1563/8 1594/21 1594/22 guessed [1] 1560/23 guesses [2] 1562/18 1563/11 guessing [1] 1562/17 guys [2] 1566/6 1566/9
		H
		had [199] hadn't [5] 1554/21 1561/23 1581/23 1582/4 1582/8 half [13] 1466/17 1471/15 1471/23 1501/18 1516/19 1529/13 1529/14 1529/20 1530/2 1530/7 1533/20 1554/24 1562/12

<p>H</p> <p>hand [4] 1486/14 1494/14 1499/13 1576/2 handing [2] 1486/13 1550/22 hands [1] 1560/6 handwritten [1] 1492/25 happen [1] 1498/17 happened [5] 1489/7 1498/15 1509/22 1565/11 1591/16 happens [1] 1493/9 happy [1] 1588/11 has [22] 1469/20 1470/12 1474/23 1481/22 1487/7 1499/21 1499/22 1509/7 1511/14 1516/6 1518/11 1523/1 1532/15 1550/19 1556/14 1566/18 1567/6 1567/9 1567/9 1568/9 1597/14 1600/3 hash [1] 1466/7 hasn't [1] 1591/16 have [103] 1461/21 1462/23 1463/6 1463/9 1464/25 1467/8 1467/14 1468/18 1469/20 1470/8 1471/18 1472/21 1473/3 1473/13 1474/2 1475/11 1475/11 1475/14 1476/24 1476/25 1477/2 1478/13 1479/23 1481/14 1482/24 1490/14 1490/24 1492/15 1493/15 1496/7 1496/11 1496/20 1496/24 1498/15 1498/21 1499/16 1499/19 1503/23 1505/23 1511/1 1514/6 1514/22 1515/21 1518/9 1518/22 1522/12 1523/11 1523/20 1525/13 1525/20 1527/14 1531/4 1532/23 1534/18 1535/8 1535/14 1536/17 1537/20 1537/22 1537/24 1537/24 1545/16 1546/1 1546/17 1548/15 1549/13 1555/15 1555/16 1556/4 1556/20 1557/8 1557/19 1558/11 1558/23 1563/3 1566/22 1567/19 1569/24 1573/4 1573/10 1573/14 1573/15 1573/20 1574/23 1575/5 1575/11 1575/21 1575/24 1576/24 1577/13 1577/19 1580/23 1583/18 1583/18 1588/13 1589/5 1589/12 1589/18 1590/20 1591/19 1599/13 1599/20 1599/23 haven't [1] 1530/12 having [8] 1513/2 1523/4 1539/16 1539/18 1571/14 1571/15 1584/2 1584/21 he [606] he's [22] 1483/4 1505/20 1507/1 1509/21 1511/12 1511/16 1523/2 1523/2 1531/13 1531/16 1535/23 1545/21 1545/22 1545/23 1552/18 1553/4 1553/6 1569/9 1582/6 1595/11 1597/21 1598/1 head [81] 1465/22 1465/24 1467/21 1478/23 1479/9 1479/10 1479/13 1483/17 1483/20 1484/8 1485/5 1485/11 1485/23 1486/24 1488/18 1490/14 1490/18 1491/8 1491/14 1492/7 1492/16 1493/3 1493/6 1496/19 1497/13 1501/20 1503/9 1503/18 1504/24 1510/23 1511/1 1511/2 1511/22 1512/4 1512/12 1513/24 1516/25 1517/10 1518/2 1520/14 1520/16 1520/17 1520/21 1521/24 1526/13 1527/24 1533/21 1535/6 1536/16 1540/17 1540/24 1541/7 1541/11 1541/13 1542/20 1543/7 1543/24 1549/5 1549/11 1549/18 1555/11 1562/20 1565/7 1565/9 1572/22 1573/3 1574/4 1581/10 1583/8 1584/22 1590/11 1592/16 1593/6 1596/22 1597/2 1597/5 1597/7 1597/24 1598/1 1598/5 1598/6 headquarters [2] 1518/7 1524/17 hear [3] 1474/12 1502/14 1563/6 heard [7] 1487/7 1509/15 1539/16 1547/6 1547/24 1550/19 1600/2 hearing [4] 1482/17 1490/3 1495/8 1517/8 hearsay [8] 1474/15 1506/7 1506/7 1532/13 1535/11 1535/16 1535/20 1535/25 heavily [1] 1502/8 heavy [1] 1505/6</p>	<p>help [3] 1498/19 1515/15 1578/10 helpful [1] 1474/17 her [2] 1491/23 1585/4 here [22] 1471/10 1472/25 1473/2 1474/9 1475/1 1478/17 1482/3 1485/5 1485/7 1485/25 1490/25 1494/23 1496/14 1501/3 1501/8 1506/2 1506/21 1521/8 1546/14 1570/4 1577/21 1592/24 here's [2] 1505/16 1547/22 herein [2] 1464/6 1476/2 hereinafter [2] 1464/7 1476/3 hey [1] 1565/14 hibey [1] 1459/24 high [1] 1577/19 highlight [3] 1482/23 1485/17 1497/12 highlighted [1] 1487/1 highly [1] 1494/2 him [100] 1467/14 1469/7 1472/24 1472/25 1478/16 1478/19 1478/22 1479/1 1479/5 1479/9 1484/11 1486/9 1488/15 1491/1 1491/6 1496/23 1501/19 1502/20 1504/20 1504/23 1505/23 1505/23 1507/13 1507/13 1508/7 1508/11 1508/14 1508/22 1509/23 1511/13 1511/24 1511/25 1512/3 1512/9 1512/22 1512/23 1513/20 1514/1 1514/15 1514/18 1514/20 1514/25 1518/14 1521/16 1521/22 1522/16 1526/1 1526/3 1527/7 1527/9 1527/11 1528/8 1528/18 1529/2 1530/2 1530/5 1530/11 1532/25 1533/15 1538/2 1539/8 1539/19 1540/1 1544/4 1545/6 1545/10 1545/18 1546/17 1548/5 1548/8 1548/25 1550/21 1550/22 1551/3 1551/18 1551/21 1553/1 1553/7 1553/9 1555/3 1557/12 1559/24 1563/24 1565/6 1568/12 1569/22 1571/23 1574/21 1576/14 1576/17 1587/22 1587/25 1590/12 1592/20 1595/8 1595/19 1595/20 1595/22 1598/21 1599/2 himself [6] 1491/24 1493/25 1519/2 1552/24 1564/3 1585/4 hindsight [8] 1538/3 1538/5 1538/11 1538/23 1539/6 1539/11 1539/18 1540/2 hindsight-based [1] 1540/2 his [75] 1477/17 1477/24 1481/6 1482/19 1483/6 1492/9 1493/21 1493/22 1496/1 1496/5 1496/5 1496/25 1500/4 1500/16 1501/23 1503/21 1504/9 1504/21 1504/22 1506/3 1506/22 1506/25 1508/2 1510/3 1511/12 1511/15 1514/23 1515/22 1516/13 1516/15 1519/13 1522/19 1523/1 1523/4 1530/12 1532/10 1538/1 1540/6 1541/3 1542/10 1542/16 1542/24 1547/7 1549/10 1550/25 1551/8 1553/1 1555/5 1557/13 1560/20 1560/22 1561/13 1561/17 1561/22 1564/1 1564/8 1564/14 1566/15 1566/18 1567/4 1568/3 1568/25 1568/25 1569/10 1569/17 1571/25 1574/16 1574/21 1578/12 1580/17 1595/10 1597/19 1598/21 1598/21 1599/3 historical [1] 1551/22 hit [2] 1549/10 1549/18 hole [1] 1598/13 holes [17] 1479/14 1483/21 1484/9 1485/6 1485/24 1487/4 1489/17 1489/19 1489/21 1490/17 1490/18 1490/19 1505/4 1505/7 1512/13 1512/14 1555/12 home [1] 1477/17 honestly [2] 1588/24 1591/2 Honor [52] 1461/18 1464/3 1464/17 1465/2 1468/7 1468/8 1468/10 1469/4 1470/11 1472/18 1474/10 1474/13 1474/21 1475/2 1475/23 1480/1 1481/20 1481/24 1483/10 1486/15 1489/25 1494/2 1494/4 1495/5 1495/23 1500/9 1502/21 1505/8</p>	<p>1506/2 1506/20 1507/8 1507/12 1509/5 1509/19 1519/18 1524/5 1532/12 1535/7 1535/10 1535/17 1536/1 1537/8 1544/6 1555/24 1558/8 1588/14 1589/12 1592/19 1595/11 1599/12 1599/17 1599/22 HONORABLE [1] 1459/9 hope [1] 1479/17 hotel [3] 1477/18 1501/11 1557/17 hour [4] 1470/19 1471/15 1471/15 1471/23 hour-and-a-half [1] 1471/23 hours [12] 1471/22 1472/8 1472/15 1477/20 1477/21 1501/12 1501/18 1516/19 1529/11 1529/20 1530/2 1554/24 how [23] 1462/9 1472/5 1486/3 1501/17 1515/12 1515/19 1516/17 1517/2 1535/13 1544/2 1545/12 1548/3 1548/18 1551/11 1551/14 1552/7 1552/21 1553/21 1560/18 1566/22 1568/25 1594/23 1598/22 however [1] 1498/5 huh [1] 1573/6 hundreds [1] 1589/4</p> <p>I</p> <p>I'd [14] 1464/24 1481/18 1490/24 1495/20 1517/15 1519/19 1519/25 1523/16 1523/17 1527/14 1555/24 1582/6 1592/14 1592/20 I'll [22] 1465/11 1482/24 1482/25 1483/4 1486/14 1486/16 1490/7 1494/14 1496/11 1499/19 1507/12 1507/20 1511/19 1521/20 1528/10 1532/20 1586/14 1588/11 1588/12 1594/10 1596/10 1598/24 I'm [89] 1462/11 1466/3 1469/4 1471/8 1471/13 1474/10 1474/18 1479/15 1479/17 1482/22 1483/3 1483/18 1485/2 1485/2 1485/14 1485/17 1489/5 1489/10 1490/24 1491/3 1492/8 1494/1 1495/11 1496/13 1497/11 1497/11 1497/21 1498/22 1499/11 1499/13 1499/14 1507/17 1513/14 1520/14 1523/7 1527/15 1527/20 1528/16 1528/17 1528/25 1530/19 1531/12 1532/12 1532/20 1534/16 1536/10 1536/13 1537/8 1539/22 1539/23 1543/2 1544/5 1544/16 1544/18 1545/4 1546/15 1546/16 1546/23 1554/11 1554/16 1554/18 1556/23 1556/24 1558/7 1561/10 1563/1 1563/6 1568/21 1569/5 1569/21 1569/21 1572/14 1574/1 1576/2 1578/17 1582/6 1582/7 1584/24 1585/21 1588/11 1589/10 1589/16 1592/6 1594/14 1596/8 1596/9 1596/15 1597/13 1598/3 I've [7] 1461/5 1476/16 1476/17 1476/24 1527/9 1538/10 1584/8 i.e [1] 1553/15 identification [2] 1527/16 1576/3 identified [1] 1461/25 identifies [1] 1484/24 identify [2] 1479/5 1506/7 if [96] 1462/6 1462/15 1462/23 1463/20 1464/6 1467/9 1467/21 1468/17 1469/5 1469/22 1471/3 1471/12 1472/9 1472/23 1472/25 1473/12 1473/16 1473/19 1473/20 1474/14 1474/15 1474/19 1475/2 1475/19 1476/2 1479/17 1481/15 1482/14 1482/15 1483/5 1483/7 1485/15 1489/12 1495/12 1495/21 1498/15 1499/14 1501/13 1511/2 1511/23 1512/22 1517/12 1517/12 1520/11 1523/17 1525/9 1525/15 1527/20 1528/1 1528/2 1528/5 1531/11 1534/14 1534/24 1535/14 1536/1 1537/19 1540/4 1544/10 1544/16 1545/9 1546/1 1546/3 1546/9 1546/15 1547/14 1548/13 1550/14 1555/25 1556/23 1556/24 1558/23 1560/3 1561/10 1561/11 1562/18 1564/8 1568/22 1569/21 1569/22 1573/19 1573/20 1575/12 1575/14</p>
--	---	---

I	if... [12] 1577/12 1577/15 1582/1 1588/3 1588/7 1588/10 1590/2 1591/3 1591/18 1592/15 1592/21 1595/3 immediately [4] 1478/5 1500/24 1505/4 1580/22 impact [3] 1518/14 1568/6 1568/12 impeachment [1] 1474/18 impede [1] 1562/5 impediment [3] 1485/16 1487/5 1487/23 impediments [1] 1484/14 implemented [1] 1489/9 implementing [1] 1569/3 importance [1] 1517/6 important [2] 1511/1 1537/20 imposed [1] 1522/23 impression [5] 1541/17 1543/22 1543/24 1544/1 1549/17 improper [1] 1506/6 in [332] inaccurate [1] 1474/19 inadequate [2] 1489/18 1490/17 inappropriate [2] 1475/5 1494/3 inch [1] 1562/4 include [5] 1484/1 1515/17 1528/18 1553/7 1553/9 including [3] 1503/2 1523/14 1558/22 inconsistency [2] 1546/13 1546/16 inconsistent [1] 1584/15 incorporates [1] 1482/5 incorrect [1] 1567/24 indeed [2] 1586/23 1588/19 independent [2] 1585/9 1585/10 indicate [8] 1492/20 1498/3 1516/9 1517/2 1522/22 1579/7 1579/8 1591/11 indicated [2] 1495/25 1517/25 indicates [3] 1466/9 1466/17 1490/12 indicating [2] 1514/16 1573/5 individual [4] 1521/3 1521/5 1565/4 1573/12 individuals [1] 1564/6 indulgence [1] 1544/7 industry [4] 1465/21 1467/4 1478/6 1480/25 infamous [2] 1503/15 1542/1 inferentially [1] 1536/5 info [2] 1481/10 1488/11 inform [3] 1590/18 1590/25 1591/15 information [43] 1466/2 1466/14 1467/2 1467/13 1467/17 1467/18 1467/24 1468/4 1468/17 1484/15 1486/10 1489/11 1490/9 1494/15 1494/20 1494/24 1497/9 1500/6 1503/3 1508/11 1515/1 1522/17 1544/20 1546/9 1563/16 1563/17 1563/19 1564/7 1565/3 1565/13 1565/18 1565/21 1566/12 1572/17 1573/10 1575/24 1574/7 1575/4 1575/7 1581/24 1581/24 1583/14 1598/10 informed [1] 1582/2 initial [4] 1515/6 1515/10 1565/13 1565/17 initially [5] 1465/14 1515/19 1537/13 1541/16 1580/16 initiated [1] 1526/9 input [1] 1519/13 inquire [1] 1495/23 inspect [3] 1490/10 1535/5 1536/16 inspected [1] 1562/20 inspecting [1] 1479/9 inspection [50] 1465/25 1479/2 1481/12 1482/25 1483/22 1483/23 1485/4 1486/2 1486/24 1487/4 1488/12 1490/11 1490/15 1490/20 1491/7 1491/8 1497/13 1497/15 1497/22 1510/25 1511/2 1514/1 1514/13 1515/2 1519/1 1519/3 1519/8 1522/16	1551/16 1562/5 1565/7 1569/18 1581/14 1581/23 1582/1 1593/20 1594/1 1594/17 1594/19 1594/20 1595/1 1595/9 1595/19 1595/21 1595/25 1596/18 1597/20 1597/25 1598/2 1598/6 inspections [46] 1461/13 1461/23 1478/19 1478/22 1488/6 1488/7 1488/8 1492/7 1492/19 1493/18 1496/16 1501/20 1502/24 1503/4 1517/1 1517/6 1518/19 1550/13 1551/23 1563/22 1564/1 1564/2 1564/24 1564/25 1565/4 1565/9 1565/12 1565/22 1565/24 1566/3 1566/13 1566/15 1570/21 1573/13 1574/3 1574/7 1580/25 1581/7 1581/24 1583/4 1584/22 1593/19 1594/7 1594/24 1596/23 1597/10 inspector [6] 1477/9 1524/23 1536/14 1536/22 1537/23 1572/21 install [3] 1489/4 1489/17 1489/21 installed [1] 1512/6 instead [1] 1525/16 instructions [3] 1497/19 1522/24 1523/3 insufficient [1] 1515/11 insulation [1] 1574/4 Integrity [3] 1465/20 1466/1 1467/9 intended [2] 1550/1 1596/5 intention [1] 1489/12 intentional [1] 1563/1 intentionally [4] 1514/24 1561/14 1561/17 1561/22 interest [2] 1474/22 1474/23 interface [2] 1463/21 1463/22 interfered [1] 1569/18 interim [1] 1565/10 interpretation [3] 1555/18 1557/13 1560/23 interpreting [1] 1560/19 interrupt [1] 1473/12 interview [63] 1470/20 1472/14 1472/15 1473/5 1473/8 1477/15 1477/16 1477/19 1478/15 1493/23 1500/15 1501/9 1501/16 1504/21 1507/10 1509/25 1510/1 1525/1 1525/9 1525/14 1525/18 1525/25 1526/3 1526/20 1527/7 1527/17 1529/2 1529/7 1529/25 1530/18 1531/2 1532/2 1532/3 1532/8 1532/9 1533/14 1533/17 1538/6 1539/8 1543/19 1544/4 1547/11 1552/20 1553/25 1554/14 1554/16 1554/19 1572/11 1575/22 1576/5 1576/10 1576/13 1576/14 1576/24 1577/10 1578/12 1582/9 1582/15 1586/22 1587/14 1589/7 1590/8 1593/18 interviewed [6] 1527/12 1528/19 1539/23 1569/22 1590/12 1591/18 interviewing [3] 1539/19 1557/12 1591/25 interviews [6] 1470/17 1477/5 1525/6 1589/24 1591/21 1592/3 into [13] 1489/17 1490/1 1500/24 1519/13 1527/23 1532/14 1535/15 1554/13 1565/18 1576/23 1590/10 1595/5 1599/8 introduce [3] 1467/3 1499/13 1536/4 introduced [3] 1467/22 1536/2 1589/23 inventor [1] 1461/24 investigating [2] 1476/19 1528/8 investigation [26] 1473/6 1480/23 1491/25 1526/18 1526/22 1527/8 1527/12 1527/22 1527/23 1528/9 1528/19 1529/3 1566/22 1566/25 1567/1 1576/15 1576/18 1585/9 1585/11 1588/25 1590/9 1590/13 1591/1 1591/12 1591/22 1591/23 Investigation's [2] 1524/17 1526/9 investigations [10] 1470/16 1476/18 1477/10 1526/6 1526/14 1526/24 1527/4 1528/12 1528/22 1590/17 investigator [1] 1477/12 involve [1] 1552/24	involved [16] 1461/12 1462/3 1502/8 1502/9 1503/24 1504/8 1532/10 1550/22 1553/15 1563/25 1564/7 1564/16 1564/16 1566/2 1566/14 1591/11 involvement [2] 1481/7 1563/12 is [249] isn't [16] 1463/14 1562/24 1582/10 1582/11 1582/17 1582/23 1583/10 1583/20 1584/16 1584/17 1586/7 1586/10 1586/18 1587/18 1593/13 1594/16 issue [16] 1468/23 1469/6 1470/8 1470/11 1470/24 1487/16 1504/6 1535/16 1538/12 1538/20 1544/4 1552/13 1555/23 1556/13 1570/14 1598/22 issued [2] 1497/5 1518/8 issues [6] 1469/18 1471/7 1524/1 1538/3 1555/7 1600/13 issuing [1] 1481/1 it [342] it's [63] 1462/6 1462/13 1462/13 1462/15 1462/16 1470/25 1474/13 1474/14 1474/15 1474/15 1480/12 1484/6 1484/24 1486/1 1487/16 1489/12 1489/14 1489/14 1489/15 1489/16 1492/11 1493/2 1494/12 1494/18 1494/20 1494/22 1498/17 1500/5 1506/6 1506/6 1507/5 1509/8 1510/19 1511/12 1512/17 1513/17 1514/5 1522/13 1523/1 1529/1 1532/16 1532/22 1535/11 1544/18 1546/8 1557/11 1569/17 1570/5 1570/6 1572/24 1576/16 1577/8 1578/9 1584/4 1586/13 1586/14 1587/20 1590/19 1591/5 1595/14 1596/2 1596/19 1599/25 its [4] 1518/18 1520/17 1570/20 1599/18
J	J-weld [1] 1538/16 Janicki [5] 1556/19 1560/4 1562/19 1576/11 1587/13 jeopardy [1] 1538/22 job [5] 1549/4 1571/25 1574/23 1575/6 1575/7 Joe [2] 1475/25 1476/1 John [2] 1460/4 1568/1 joined [2] 1477/7 1477/10 Joseph [1] 1476/8 JUDGE [4] 1459/10 1470/7 1482/14 1532/21 judge's [1] 1600/4 judgment [1] 1578/21 jump [1] 1483/25 jumped [1] 1501/8 June [1] 1480/24 jurors [1] 1487/2 jury [53] 1459/6 1459/9 1461/1 1469/24 1473/16 1474/1 1474/17 1475/7 1475/14 1475/18 1475/22 1476/14 1477/15 1480/2 1481/19 1481/23 1482/24 1484/4 1484/18 1485/18 1485/22 1486/16 1487/7 1490/5 1490/8 1490/9 1495/9 1501/9 1502/17 1504/2 1506/14 1506/18 1507/3 1507/21 1509/6 1511/19 1511/23 1512/7 1512/8 1512/22 1513/15 1513/19 1518/11 1520/1 1527/2 1544/17 1550/19 1568/9 1589/6 1590/7 1592/14 1592/17 1600/16 jury's [1] 1481/20 just [48] 1462/15 1468/16 1475/6 1477/6 1477/12 1477/20 1482/13 1483/25 1485/11 1488/9 1490/22 1494/8 1494/12 1494/17 1495/25 1502/12 1506/13 1511/16 1512/24 1514/6 1515/25 1521/17 1523/19 1526/16 1527/9 1529/17 1537/4 1537/22 1546/10 1546/17 1549/23 1553/9 1558/16 1558/21 1562/9 1563/2 1565/25 1566/4 1567/14 1582/19 1584/8 1590/2 1590/7 1592/14		

J just... [4] 1592/17 1595/14 1597/18 1600/2 justice [8] 1459/17 1476/25 1590/21 1590/24 1591/4 1591/6 1591/8 1591/13 justification [3] 1583/7 1597/1 1597/4 justify [1] 1551/23 justifying [1] 1597/24	leaker [1] 1462/9 leaking [12] 1462/13 1462/16 1462/21 1462/22 1462/23 1518/18 1520/16 1521/14 1521/25 1570/20 1573/5 1573/8 leaks [1] 1572/13 learn [3] 1500/18 1536/23 1565/7 learned [3] 1500/19 1503/24 1510/22 least [8] 1516/12 1517/11 1525/17 1526/21 1530/19 1585/19 1586/9 1586/18 leave [4] 1583/8 1597/1 1597/4 1597/24 leaving [1] 1493/6 led [1] 1508/7 left [10] 1501/6 1503/10 1512/18 1517/22 1537/22 1540/25 1541/13 1543/3 1543/7 1543/20 leisurely [2] 1523/15 1524/2 length [6] 1553/25 1554/7 1568/25 1572/12 1574/6 1574/8 lengthy [1] 1551/6 less [1] 1467/24 lesson [1] 1510/22 let [20] 1468/15 1473/12 1473/20 1477/6 1483/5 1496/10 1506/4 1513/2 1513/23 1525/25 1529/17 1533/13 1536/10 1545/9 1550/18 1558/16 1558/24 1562/2 1563/9 1596/20 let's [29] 1471/16 1471/16 1475/20 1477/14 1481/17 1486/12 1486/13 1495/12 1498/8 1500/14 1506/17 1507/4 1511/18 1512/19 1520/11 1530/21 1530/21 1534/13 1535/16 1538/8 1540/14 1541/18 1554/13 1559/16 1572/21 1581/1 1590/2 1596/8 1597/18 letter [10] 1499/9 1514/19 1517/22 1517/25 1519/11 1520/6 1535/1 1588/20 1591/3 1595/25 letterhead [1] 1489/15 letters [3] 1498/24 1570/2 1589/1 level [2] 1516/8 1577/19 levels [3] 1567/19 1567/20 1567/22 license [3] 1478/12 1478/12 1478/13 licensee [1] 1476/20 licensees [1] 1490/10 lied [2] 1505/13 1528/5 lifting [1] 1592/8 like [27] 1461/12 1464/24 1465/6 1480/12 1481/19 1495/20 1500/5 1502/15 1505/20 1506/12 1509/5 1517/15 1519/19 1520/1 1522/10 1523/16 1523/18 1543/4 1546/4 1555/24 1559/11 1565/15 1570/18 1575/12 1588/4 1592/14 1597/25 likely [1] 1590/14 likes [1] 1562/18 limitations [1] 1484/14 limited [6] 1479/11 1483/20 1484/8 1485/6 1485/23 1540/7 line [53] 1465/8 1466/6 1532/13 1534/17 1534/20 1534/21 1536/13 1537/4 1538/8 1538/19 1539/10 1539/13 1541/9 1541/9 1544/13 1544/18 1545/24 1547/20 1547/21 1547/22 1548/13 1549/13 1549/15 1552/4 1554/5 1556/15 1557/23 1558/1 1558/2 1560/3 1562/19 1563/23 1565/6 1567/23 1567/23 1568/21 1568/23 1568/23 1572/14 1572/21 1575/3 1581/21 1584/25 1590/5 1591/14 1592/15 1592/17 1594/10 1594/11 1594/11 1594/12 1594/15 1594/15 line 18 [1] 1534/17 line 25 [1] 1557/23 lines [6] 1537/9 1578/8 1581/3 1583/1 1583/12 1592/17 list [4] 1548/19 1593/7 1599/23 1599/23 listed [2] 1508/22 1577/13 listen [3] 1469/16 1523/24 1600/8	little [11] 1476/14 1482/3 1483/25 1487/24 1494/22 1501/2 1501/3 1506/12 1506/16 1523/18 1594/14 living [1] 1476/15 local [2] 1477/17 1501/11 locate [1] 1519/25 located [1] 1490/18 location [6] 1479/14 1483/20 1484/8 1485/6 1485/24 1520/17 Lockwood [2] 1466/18 1467/15 long [8] 1472/5 1472/15 1501/17 1529/8 1550/22 1552/6 1566/22 1600/15 longer [3] 1468/24 1469/20 1551/8 look [27] 1470/23 1485/22 1493/14 1494/16 1495/20 1511/23 1512/22 1512/24 1514/4 1519/6 1525/11 1530/10 1534/13 1534/24 1535/17 1538/11 1545/1 1547/14 1550/23 1551/22 1556/20 1560/15 1572/7 1582/19 1588/12 1592/15 1594/10 looked [10] 1461/12 1487/15 1493/5 1512/25 1513/2 1516/15 1534/9 1539/25 1555/14 1565/11 looking [18] 1481/10 1487/25 1488/9 1488/10 1491/12 1491/16 1492/6 1493/8 1511/12 1513/8 1515/20 1519/8 1538/12 1538/12 1555/17 1565/16 1572/8 1596/11 looks [2] 1480/12 1500/5 lost [1] 1571/25 lot [3] 1461/11 1479/10 1511/14 lower [1] 1513/16 lunch [4] 1523/13 1523/15 1524/2 1524/3
K KATZ [1] 1459/9 keep [1] 1556/5 Kennedy [4] 1480/10 1480/14 1480/16 1482/2 kind [4] 1473/19 1501/8 1565/9 1565/17 kinds [1] 1471/6 knew [31] 1489/2 1492/21 1494/10 1494/11 1501/19 1503/5 1538/19 1540/16 1541/7 1541/13 1551/6 1551/6 1551/14 1556/4 1566/5 1579/10 1580/19 1582/8 1586/22 1586/24 1587/1 1587/4 1587/7 1587/10 1587/16 1587/17 1588/17 1588/19 1588/19 1588/21 1595/2 know [51] 1462/9 1468/4 1468/6 1472/22 1483/5 1487/6 1494/12 1496/10 1505/15 1512/23 1514/23 1525/17 1525/22 1536/18 1536/19 1536/21 1538/23 1544/2 1545/12 1548/12 1553/17 1558/5 1562/25 1563/1 1563/25 1564/8 1564/10 1564/14 1564/14 1564/15 1564/16 1564/17 1564/18 1566/8 1572/19 1581/23 1582/1 1583/6 1583/17 1583/17 1583/18 1583/22 1584/13 1588/23 1588/24 1589/1 1589/8 1591/11 1593/5 1595/3 1596/25 knowledge [18] 1491/2 1497/1 1498/21 1503/22 1514/23 1519/7 1542/11 1542/16 1542/24 1561/14 1561/15 1561/17 1561/22 1572/8 1578/16 1597/21 1598/21 1598/23 knowledgeable [3] 1489/1 1536/25 1553/2 known [1] 1578/5 knows [2] 1536/18 1580/23	leaker [1] 1462/9 leaking [12] 1462/13 1462/16 1462/21 1462/22 1462/23 1518/18 1520/16 1521/14 1521/25 1570/20 1573/5 1573/8 leaks [1] 1572/13 learn [3] 1500/18 1536/23 1565/7 learned [3] 1500/19 1503/24 1510/22 least [8] 1516/12 1517/11 1525/17 1526/21 1530/19 1585/19 1586/9 1586/18 leave [4] 1583/8 1597/1 1597/4 1597/24 leaving [1] 1493/6 led [1] 1508/7 left [10] 1501/6 1503/10 1512/18 1517/22 1537/22 1540/25 1541/13 1543/3 1543/7 1543/20 leisurely [2] 1523/15 1524/2 length [6] 1553/25 1554/7 1568/25 1572/12 1574/6 1574/8 lengthy [1] 1551/6 less [1] 1467/24 lesson [1] 1510/22 let [20] 1468/15 1473/12 1473/20 1477/6 1483/5 1496/10 1506/4 1513/2 1513/23 1525/25 1529/17 1533/13 1536/10 1545/9 1550/18 1558/16 1558/24 1562/2 1563/9 1596/20 let's [29] 1471/16 1471/16 1475/20 1477/14 1481/17 1486/12 1486/13 1495/12 1498/8 1500/14 1506/17 1507/4 1511/18 1512/19 1520/11 1530/21 1530/21 1534/13 1535/16 1538/8 1540/14 1541/18 1554/13 1559/16 1572/21 1581/1 1590/2 1596/8 1597/18 letter [10] 1499/9 1514/19 1517/22 1517/25 1519/11 1520/6 1535/1 1588/20 1591/3 1595/25 letterhead [1] 1489/15 letters [3] 1498/24 1570/2 1589/1 level [2] 1516/8 1577/19 levels [3] 1567/19 1567/20 1567/22 license [3] 1478/12 1478/12 1478/13 licensee [1] 1476/20 licensees [1] 1490/10 lied [2] 1505/13 1528/5 lifting [1] 1592/8 like [27] 1461/12 1464/24 1465/6 1480/12 1481/19 1495/20 1500/5 1502/15 1505/20 1506/12 1509/5 1517/15 1519/19 1520/1 1522/10 1523/16 1523/18 1543/4 1546/4 1555/24 1559/11 1565/15 1570/18 1575/12 1588/4 1592/14 1597/25 likely [1] 1590/14 likes [1] 1562/18 limitations [1] 1484/14 limited [6] 1479/11 1483/20 1484/8 1485/6 1485/23 1540/7 line [53] 1465/8 1466/6 1532/13 1534/17 1534/20 1534/21 1536/13 1537/4 1538/8 1538/19 1539/10 1539/13 1541/9 1541/9 1544/13 1544/18 1545/24 1547/20 1547/21 1547/22 1548/13 1549/13 1549/15 1552/4 1554/5 1556/15 1557/23 1558/1 1558/2 1560/3 1562/19 1563/23 1565/6 1567/23 1567/23 1568/21 1568/23 1568/23 1572/14 1572/21 1575/3 1581/21 1584/25 1590/5 1591/14 1592/15 1592/17 1594/10 1594/11 1594/11 1594/12 1594/15 1594/15 line 18 [1] 1534/17 line 25 [1] 1557/23 lines [6] 1537/9 1578/8 1581/3 1583/1 1583/12 1592/17 list [4] 1548/19 1593/7 1599/23 1599/23 listed [2] 1508/22 1577/13 listen [3] 1469/16 1523/24 1600/8	M M-C-L-A-U-G-H-L-I-N [1] 1464/15 made [22] 1468/18 1468/22 1468/22 1470/15 1473/13 1474/7 1492/21 1508/8 1518/12 1533/10 1533/13 1533/24 1556/4 1565/12 1568/10 1571/2 1579/9 1580/5 1584/15 1589/9 1590/22 1590/23 magnify [1] 1490/8 mail [52] 1465/13 1465/16 1466/14 1466/17 1468/16 1480/10 1480/11 1480/12 1481/9 1481/13 1482/1 1482/3 1482/7 1484/18 1486/15 1486/19 1487/9 1487/12 1488/10 1488/13 1494/18 1494/22 1495/12 1498/1 1510/19 1511/5 1511/8 1511/20 1512/20 1513/8 1550/4 1550/6 1550/9 1550/11 1553/19 1553/22 1555/3 1555/15 1557/14 1557/20 1558/5 1558/17 1559/1 1559/17 1559/19 1559/20 1560/1 1560/6 1560/8 1560/10 1560/19 1561/2 mailed [2] 1466/14 1466/18 mailing [1] 1467/13 mails [2] 1511/14 1557/22 Mainhardt [2] 1564/2 1564/17 maintained [1] 1522/3 majority [1] 1564/9 make [21] 1468/15 1469/18 1471/5 1495/13 1505/9 1505/13 1506/9 1510/23 1517/5 1518/17 1523/25 1527/2 1545/11 1546/10 1556/22 1557/3 1558/24 1562/13 1570/19 1588/3 1600/12 makes [2] 1568/4 1584/12 making [5] 1467/23 1505/20 1528/9 1545/22 1599/20 management [1] 1487/6 manager [4] 1501/5 1502/4 1504/3 1568/3 many [4] 1514/12 1554/22 1579/25 1593/3 map [2] 1572/22 1573/3 March [1] 1501/5 mark [9] 1464/5 1464/14 1466/7 1484/19 1486/20 1494/19 1564/16 1573/16 1596/23 Mark's [1] 1494/25 marked [2] 1527/16 1576/3

M	mince [1] 1530/21	Mr. Cook's [8] 1499/8 1575/22 1577/25 1582/22 1586/4 1591/21 1596/11 1596/21
Martin [1] 1476/8	mind [5] 1522/13 1580/18 1583/9 1586/4 1600/12	Mr. Fyffitch [4] 1553/19 1558/17 1559/4 1560/10
Master [1] 1476/25	minds [2] 1469/18 1523/25	Mr. Gavula [9] 1535/1 1572/24 1573/1 1573/3 1573/7 1573/10 1573/14 1576/11 1587/13
material [1] 1574/24	mindset [3] 1518/20 1570/16 1570/23	Mr. Gavula's [1] 1575/2
materials [5] 1487/19 1487/21 1538/1 1539/25 1545/19	mine [1] 1495/1	Mr. Geisen [108] 1466/18 1467/13 1470/13 1473/4 1500/15 1503/23 1505/21 1505/21 1506/15 1506/22 1507/10 1507/16 1507/17 1507/24 1508/2 1509/22 1511/10 1518/5 1518/12 1520/2 1520/22 1525/1 1526/2 1526/21 1527/6 1527/17 1527/21 1528/2 1529/11 1531/2 1533/17 1533/24 1536/8 1536/9 1536/17 1537/11 1537/25 1538/10 1539/6 1539/17 1539/24 1540/16 1540/21 1541/6 1541/12 1542/8 1542/14 1543/6 1544/22 1546/3 1547/11 1549/23 1550/7 1550/12 1552/1 1553/13 1553/21 1554/17 1556/19 1557/13 1558/22 1559/5 1559/9 1559/21 1560/6 1560/19 1561/12 1561/16 1562/8 1562/23 1562/25 1563/15 1563/19 1565/9 1565/23 1565/25 1566/4 1566/12 1567/12 1567/19 1567/20 1568/6 1568/10 1568/17 1568/24 1570/15 1571/11 1571/19 1572/6 1572/23 1572/25 1573/2 1573/6 1573/9 1573/12 1573/15 1574/2 1574/6 1574/15 1574/15 1574/15 1575/5 1589/23 1591/21 1593/12 1593/18 1594/6 1594/22
matter [7] 1469/20 1527/21 1533/1 1582/7 1590/8 1591/5 1601/4	minute [10] 1468/7 1470/8 1475/6 1475/20 1488/9 1492/17 1504/18 1512/24 1520/8 1582/19	Mr. Geisen's [15] 1472/15 1525/13 1525/23 1535/22 1535/23 1536/3 1536/24 1542/4 1546/25 1563/10 1572/16 1574/11 1576/23 1590/2 1592/18
Mattson [6] 1465/14 1465/17 1465/17 1465/18 1465/19 1466/3	minutes [5] 1469/20 1469/22 1471/18 1575/13 1575/14	Mr. Gibbs [2] 1517/22 1518/3
may [31] 1463/23 1464/2 1464/8 1464/16 1469/19 1470/5 1470/8 1472/7 1473/12 1473/19 1481/23 1482/18 1482/19 1483/8 1490/4 1492/14 1495/9 1495/23 1497/25 1509/9 1510/19 1523/18 1558/23 1575/13 1575/15 1575/24 1577/11 1588/13 1591/3 1596/3 1599/16	mislead [1] 1540/12	Mr. Gibbs' [1] 1518/8
maybe [4] 1473/20 1579/25 1585/19 1595/2	misled [1] 1558/23	Mr. Gordon [2] 1461/16 1473/15
McLaughlin [11] 1464/4 1464/5 1464/14 1464/20 1468/13 1469/5 1469/25 1484/19 1486/20 1494/19 1573/16	missed [1] 1552/13	Mr. Goyal [5] 1487/22 1489/6 1553/19 1559/4 1560/10
McLaughlin's [1] 1470/8	misspoken [1] 1558/23	Mr. Lockwood [1] 1467/15
me [75] 1468/15 1472/3 1473/7 1473/12 1473/20 1474/13 1475/6 1475/8 1475/17 1477/6 1479/17 1496/10 1496/15 1499/14 1499/22 1506/4 1506/9 1510/21 1510/23 1513/2 1513/23 1517/17 1525/25 1526/1 1526/20 1529/8 1529/15 1529/17 1529/22 1531/1 1531/11 1532/7 1533/13 1535/19 1537/25 1538/13 1540/5 1542/12 1543/4 1545/5 1545/9 1547/16 1549/22 1550/18 1555/1 1556/11 1557/25 1558/16 1558/24 1560/14 1560/25 1562/2 1562/20 1563/9 1564/19 1566/11 1566/24 1568/22 1568/24 1570/5 1571/2 1572/20 1573/22 1574/20 1575/5 1577/6 1577/12 1581/9 1581/18 1588/7 1594/12 1594/16 1596/20 1599/14 1599/15	mistake [1] 1559/15	Mr. Mattson [3] 1465/17 1465/19 1466/3
mean [13] 1462/12 1466/6 1470/3 1474/10 1488/4 1497/5 1530/19 1553/9 1568/1 1580/10 1588/1 1591/3 1594/19	mistaken [1] 1577/17	Mr. McLaughlin [5] 1464/4 1464/20 1468/13 1469/5 1469/25
meaning [1] 1513/25	mode [11] 1508/22 1508/25 1547/2 1547/6 1547/23 1548/7 1548/18 1592/8 1592/16 1593/7 1593/15	Mr. McLaughlin's [1] 1470/8
meaningful [1] 1471/5	modification [5] 1489/3 1490/25 1491/1 1491/4 1555/12	Mr. Siemaszko [2] 1566/17 1567/11
means [1] 1501/14	modifications [1] 1489/9	Mr. Siemaszko's [3] 1567/25 1574/12 1574/17
meant [4] 1512/1 1531/7 1557/14 1569/25	moment [5] 1495/20 1519/25 1523/16 1575/24 1588/13	Mr. Stickan [1] 1468/16
mechanical [3] 1460/11 1520/18 1541/14	months [8] 1475/11 1533/20 1533/23 1533/23 1539/24 1591/24 1592/5 1592/6	Mr. Ulie [38] 1470/13 1476/9 1476/13 1483/7 1486/19 1496/11 1505/16 1520/1 1520/5 1524/8 1527/15 1528/16 1528/25 1529/7 1534/24 1536/8 1536/13 1539/5 1541/18 1544/16 1544/25 1549/20 1553/13 1558/11 1563/8 1565/20 1568/22 1570/4 1571/18 1573/18 1574/1 1575/19 1575/21 1575/25 1584/17 1586/12 1589/11 1589/20
mechanism [1] 1496/21	more [33] 1474/16 1477/6 1489/1 1491/18 1496/11 1499/12 1499/19 1502/8 1503/19 1504/8 1508/9 1511/6 1512/1 1514/3 1523/1 1523/9 1538/4 1542/9 1542/12 1542/14 1542/23 1545/8 1548/2 1549/23 1550/21 1551/15 1562/16 1573/17 1574/19 1579/21 1583/13 1594/14 1599/14	Mr. Ulie's [1] 1470/14
media [1] 1538/14	morning [18] 1468/13 1468/14 1469/13 1494/21 1524/25 1527/3 1540/15 1555/6 1577/2 1577/17 1577/24 1578/15 1578/25 1579/18 1583/10 1584/18 1584/20 1600/5	Mr. Wise [7] 1468/9 1470/10 1473/8 1473/14 1524/4 1536/2 1576/21
meet [1] 1600/5	morning's [2] 1578/8 1584/24	Ms [1] 1532/20
meeting [9] 1550/6 1586/1 1586/3 1586/23 1586/25 1587/2 1587/4 1587/7 1600/4	motor [1] 1496/21	Ms. [2] 1576/11 1587/13
meetings [3] 1515/16 1518/12 1568/10	motors [1] 1546/8	Ms. Janicki [2] 1576/11 1587/13
member [2] 1476/22 1487/18	mouse [2] 1487/4 1512/12	much [9] 1472/7 1474/16 1516/17 1520/12 1548/2 1549/23 1562/18 1565/18 1595/2
memorized [1] 1589/18	move [9] 1481/17 1489/25 1494/5 1495/5 1500/9 1501/2 1521/11 1521/20 1530/21	multiple [3] 1470/21 1470/22 1523/13
memory [1] 1589/5	movies [1] 1586/6	must [2] 1481/14 1600/3
mentally [1] 1559/14	moving [1] 1596/8	my [70] 1464/14 1464/14 1469/14 1469/20 1470/13 1470/18 1470/18 1471/3 1471/19 1477/1 1481/14 1482/14 1483/8 1483/8 1483/9 1487/15 1489/11 1490/24 1491/2 1492/15 1495/20 1496/24 1498/2 1505/16 1512/24 1512/25 1516/5 1520/24 1523/14 1523/21 1525/7 1527/10 1529/24 1529/24
mention [1] 1498/5	MR [64] 1463/19 1464/11 1465/5 1474/12 1480/4 1482/8 1482/12 1482/13 1483/12 1495/10 1496/9 1500/13 1502/22 1506/11 1506/12 1506/20 1507/24 1521/21 1524/7 1534/23 1537/10 1540/16 1544/9 1544/10 1546/25 1549/16 1550/3 1552/5 1553/12 1553/18 1557/8 1558/25 1559/19 1561/11 1563/7 1563/15 1564/13 1565/20 1566/17 1567/14 1568/5 1568/16 1570/14 1572/15 1574/10 1575/18 1576/1 1577/2 1577/17 1577/24 1578/25 1579/7 1579/19 1579/22 1583/2 1583/9 1584/1 1584/5 1584/20 1584/25 1589/14 1592/21 1596/9 1597/16	
mentioned [3] 1493/12 1536/6 1585/19	Mr. [275]	
merely [1] 1483/7	Mr. Chimahusky [2] 1461/21 1521/7	
message [3] 1465/16 1466/21 1466/24 1516/18	Mr. Conroy [2] 1461/17 1483/5	
methodology [3] 1473/14 1516/15	Mr. Cook [54] 1470/14 1473/4 1477/24 1481/2 1481/13 1482/8 1483/1 1483/14 1487/11 1488/13 1498/3 1498/23 1507/10 1507/13 1507/16 1536/9 1576/6 1576/13 1576/25 1577/4 1577/11 1577/18 1577/25 1578/4 1578/12 1578/18 1578/23 1579/1 1579/8 1579/14 1579/22 1580/3 1580/5 1580/14 1581/4 1581/8 1581/16 1581/22 1582/15 1583/5 1583/13 1583/15 1584/5 1584/21 1585/10 1585/16 1585/23 1586/7 1587/15 1588/19 1589/2 1589/9 1589/23 1596/24	
microphone [1] 1501/2	Mr. [275]	
mid [1] 1488/23		
middle [4] 1544/15 1544/25 1581/22 1583/12		
might [1] 1522/12		
mike [1] 1599/8		
militate [1] 1475/17		
mill [1] 1480/25		
Miller [3] 1459/23 1486/23 1494/18		

M	note [2] 1467/1 1494/22 notereading [1] 1460/12 notes [21] 1482/14 1482/19 1483/6 1483/7 1483/8 1483/8 1490/24 1495/21 1495/24 1496/5 1496/10 1496/25 1512/24 1512/25 1512/25 1513/3 1535/18 1536/19 1576/22 1576/24 1577/6 nothing [8] 1491/17 1498/5 1518/24 1578/23 1586/3 1589/12 1599/14 1599/15 noticed [1] 1576/21 November [18] 1466/22 1492/23 1494/11 1499/9 1502/9 1504/7 1579/11 1580/20 1583/6 1584/2 1587/10 1588/1 1588/21 1589/8 1596/25 1598/15 1599/4 1599/10 November 15th [1] 1466/22 November 1st [1] 1589/8 November 8th [1] 1587/10 now [61] 1466/17 1469/13 1473/7 1473/11 1475/17 1476/16 1484/11 1485/2 1485/25 1486/14 1487/7 1489/11 1491/5 1492/17 1493/3 1494/14 1496/13 1497/25 1499/11 1499/14 1503/23 1505/17 1508/14 1510/14 1513/3 1515/20 1517/15 1521/13 1522/14 1524/25 1535/14 1536/13 1538/13 1539/18 1539/23 1542/21 1543/9 1544/1 1545/7 1545/19 1545/21 1545/21 1546/13 1546/21 1557/2 1559/2 1560/12 1563/17 1576/13 1577/24 1586/21 1588/10 1588/23 1590/12 1591/21 1592/7 1595/6 1596/12 1596/16 1597/9 1598/9 nozzle [25] 1465/22 1502/1 1502/9 1503/25 1504/6 1504/9 1513/25 1514/8 1515/21 1515/21 1517/10 1517/13 1522/15 1522/15 1538/15 1539/2 1553/23 1554/1 1554/8 1555/2 1555/7 1556/6 1559/10 1559/22 1560/15 nozzle-by-nozzle [1] 1522/15 nozzle-to-head [1] 1465/22 nozzles [20] 1465/24 1467/2 1467/8 1467/11 1467/20 1490/11 1490/21 1495/15 1511/22 1513/10 1514/4 1514/12 1514/20 1517/6 1517/7 1521/23 1561/12 1569/2 1569/14 1573/4 NRC [44] 1467/3 1467/7 1467/17 1468/2 1468/5 1468/18 1476/16 1476/19 1476/21 1476/23 1477/7 1481/1 1481/10 1482/2 1484/15 1488/10 1490/9 1494/20 1498/6 1498/7 1498/14 1498/20 1511/21 1512/21 1515/10 1515/16 1515/23 1518/7 1524/11 1526/12 1540/12 1551/21 1564/7 1565/21 1569/20 1569/21 1570/3 1572/18 1574/25 1578/11 1582/1 1586/6 1586/23 1596/1 NRC's [3] 1477/8 1477/10 1495/2 nuclear [15] 1476/10 1478/3 1478/6 1478/7 1478/9 1478/10 1478/13 1480/25 1500/19 1508/12 1526/11 1526/12 1527/22 1528/3 1590/9 number [16] 1461/11 1478/16 1486/14 1494/25 1499/3 1499/4 1499/5 1504/22 1510/15 1519/21 1533/25 1534/18 1549/13 1577/5 1582/20 1597/3 number's [1] 1582/21 numbers [1] 1499/2 nuts [1] 1498/13 NW [2] 1459/19 1459/25	1595/11 1597/11 1598/16 1599/5 obscured [7] 1514/12 1514/15 1514/16 1514/21 1561/13 1569/2 1569/14 observed [4] 1510/25 1511/3 1520/13 1520/15 obtain [1] 1598/22 obtained [2] 1492/1 1519/14 obvious [3] 1544/22 1557/25 1560/25 obviously [2] 1471/9 1538/13 occasion [2] 1473/4 1540/10 occasionally [1] 1576/22 occasions [2] 1470/22 1540/7 occur [2] 1471/20 1577/11 occurred [15] 1477/16 1477/17 1480/13 1501/16 1502/4 1503/20 1503/21 1533/17 1538/15 1542/9 1542/10 1542/15 1542/15 1542/23 1577/7 Oconee [5] 1502/10 1504/9 1510/22 1511/3 1538/21 October [47] 1459/5 1477/23 1491/25 1492/4 1492/5 1492/22 1494/11 1494/21 1495/4 1499/4 1499/5 1499/6 1501/15 1501/16 1503/2 1516/24 1518/7 1518/10 1533/15 1533/18 1539/2 1557/17 1560/20 1576/8 1576/9 1577/9 1579/10 1580/20 1583/6 1584/2 1585/5 1585/12 1585/17 1585/23 1586/21 1586/24 1587/11 1587/16 1589/7 1592/3 1592/4 1592/4 1596/24 1598/15 1599/4 1599/10 1600/6 October 11th [1] 1518/10 October 11th time [1] 1518/7 October 17th [1] 1499/4 October 22nd [2] 1494/21 1577/9 October 22nd of [1] 1495/4 October 24th [6] 1491/25 1585/5 1585/17 1585/23 1587/11 1587/16 October 29th [4] 1501/16 1533/15 1533/18 1592/4 October 30th [2] 1499/5 1499/6 October 4th [2] 1477/23 1576/9 October 4th and [1] 1592/4 off [14] 1469/9 1492/15 1498/23 1506/4 1509/16 1510/5 1522/6 1522/12 1522/12 1532/24 1549/24 1552/23 1559/7 1593/7 offer [2] 1489/12 1506/22 offered [5] 1473/22 1499/21 1499/22 1532/15 1532/16 office [10] 1459/13 1470/16 1473/5 1476/17 1477/10 1524/16 1524/17 1526/5 1526/8 1527/3 official [2] 1517/13 1528/3 Oh [2] 1472/9 1497/5 OHIO [4] 1459/1 1459/4 1459/15 1460/9 okay [99] 1464/16 1465/6 1465/9 1465/12 1465/13 1465/16 1466/2 1466/8 1466/17 1466/24 1467/1 1467/5 1467/25 1468/4 1468/7 1470/24 1481/6 1483/24 1485/2 1485/20 1486/12 1489/10 1489/20 1490/12 1490/25 1491/5 1491/19 1492/9 1495/3 1496/12 1497/1 1497/4 1497/11 1503/5 1508/14 1512/24 1513/6 1513/11 1514/25 1515/4 1515/9 1517/5 1519/18 1522/6 1522/14 1523/8 1529/15 1531/6 1531/8 1531/11 1532/7 1533/13 1536/22 1538/8 1539/16 1539/22 1541/22 1543/6 1543/9 1543/13 1544/11 1548/5 1548/17 1550/3 1551/11 1553/3 1555/22 1556/19 1558/23 1559/13 1559/17 1559/23 1560/5 1560/11 1560/18 1561/18 1562/19 1568/4 1568/20 1572/21 1572/23 1573/2 1581/2 1583/1 1583/7 1583/25 1584/25 1585/22 1588/9 1589/22 1590/4 1591/21 1593/2 1594/10 1594/16 1597/1 1597/4 1597/24 1599/11 on [236]
N	N.W. [1] 1460/5 name [9] 1464/12 1464/13 1464/14 1464/14 1476/6 1476/8 1499/8 1511/12 1560/7 name's [1] 1511/15 nature [1] 1494/2 navigate [1] 1485/14 Navy [1] 1500/19 NDE [4] 1595/3 1595/5 1595/7 1596/1 near [1] 1477/17 necessarily [1] 1488/21 necessary [3] 1482/15 1495/1 1497/15 need [12] 1471/8 1471/23 1472/7 1472/20 1490/19 1496/5 1523/19 1544/6 1565/15 1582/19 1600/13 1600/17 needed [2] 1473/17 1560/15 needs [2] 1487/6 1600/18 negative [4] 1571/20 1571/21 1572/4 1572/5 neither [1] 1587/13 never [5] 1461/12 1462/3 1557/19 1567/5 1582/16 new [8] 1459/19 1467/1 1467/2 1467/22 1484/24 1515/14 1515/17 1591/19 next [17] 1464/3 1469/12 1470/7 1470/12 1482/22 1484/16 1485/4 1485/14 1485/16 1485/21 1500/20 1536/22 1541/19 1556/18 1581/4 1593/9 1600/4 NGEN [1] 1497/23 NGEN-00324 [1] 1497/23 nine [1] 1569/1 Nineteen [1] 1534/22 Nixon [2] 1460/8 1601/8 no [86] 1459/3 1461/8 1461/15 1461/18 1462/15 1462/22 1463/1 1463/4 1463/6 1468/8 1468/23 1472/9 1482/17 1485/7 1486/1 1486/10 1490/2 1490/3 1495/7 1495/8 1497/7 1497/9 1498/21 1499/16 1499/19 1500/10 1513/25 1514/9 1514/9 1516/5 1523/7 1527/13 1529/1 1529/4 1530/6 1530/9 1530/13 1532/4 1533/11 1535/3 1537/18 1538/7 1538/10 1539/9 1541/5 1541/12 1541/12 1542/5 1545/7 1547/13 1550/17 1555/9 1556/1 1557/6 1563/4 1563/12 1564/11 1567/13 1568/15 1568/19 1570/5 1570/5 1571/10 1575/23 1576/16 1577/16 1578/17 1578/19 1579/17 1581/16 1582/6 1582/13 1584/10 1587/19 1587/21 1587/24 1588/22 1588/24 1589/3 1589/4 1589/16 1596/19 1597/8 1597/21 1598/1 1598/5 nobody [2] 1587/1 1587/22 non [3] 1569/15 1595/7 1595/20 None [1] 1521/17 nonresponsive [2] 1502/13 1502/16 noon [1] 1471/22 nor [7] 1469/15 1519/6 1519/7 1523/22 1572/7 1587/13 1593/4 normally [2] 1588/4 1588/6 NORTHERN [1] 1459/1 not [198]	
O	oath [1] 1600/11 object [4] 1494/1 1506/21 1532/12 1535/10 objection [22] 1469/2 1482/17 1490/2 1490/3 1495/7 1495/8 1500/10 1500/12 1505/8 1505/9 1505/14 1505/22 1506/5 1509/19 1521/9 1521/18 1592/19 1593/4	

<p>O</p> <p>once [3] 1518/21 1539/11 1591/14</p> <p>one [46] 1462/4 1463/17 1466/9 1468/7 1468/15 1470/8 1472/24 1477/1 1478/7 1478/25 1485/1 1489/11 1491/3 1493/2 1493/3 1500/14 1504/10 1505/2 1506/19 1511/6 1511/18 1515/22 1516/19 1516/19 1520/5 1520/24 1523/4 1525/6 1534/6 1535/18 1537/2 1541/18 1541/19 1542/12 1548/16 1554/14 1558/19 1558/20 1558/21 1564/9 1566/25 1570/16 1582/2 1582/19 1583/13 1588/17</p> <p>one-and-a-half-hours [1] 1516/19</p> <p>ones [1] 1522/9</p> <p>ongoing [2] 1510/22 1593/9</p> <p>only [12] 1482/18 1491/3 1493/3 1529/4 1546/3 1561/21 1565/4 1579/14 1579/17 1581/8 1582/2 1596/2</p> <p>onto [2] 1485/4 1574/24</p> <p>open [3] 1465/24 1466/11 1467/20</p> <p>opening [5] 1479/14 1483/21 1484/9 1485/6 1485/24</p> <p>openings [1] 1488/16</p> <p>operate [1] 1551/23</p> <p>operating [2] 1526/11 1528/15</p> <p>operator [2] 1478/12 1500/23</p> <p>operators [1] 1478/13</p> <p>opinion [1] 1506/22</p> <p>opponent [3] 1532/17 1536/2 1536/3</p> <p>opportunity [3] 1518/9 1535/15 1557/8</p> <p>opposed [1] 1474/3</p> <p>opposite [1] 1463/24</p> <p>options [1] 1518/23</p> <p>or [98] 1461/16 1462/7 1462/9 1462/13 1462/16 1469/15 1469/17 1469/21 1470/3 1471/22 1471/23 1476/20 1476/22 1478/12 1481/2 1484/14 1485/20 1487/23 1488/16 1491/4 1491/8 1491/8 1491/13 1492/8 1492/22 1492/22 1493/7 1493/25 1494/11 1497/19 1498/10 1498/19 1499/21 1499/22 1501/13 1502/9 1502/11 1504/7 1506/14 1507/10 1507/16 1515/2 1516/12 1516/23 1519/9 1519/16 1520/20 1520/22 1522/20 1523/23 1523/24 1525/7 1525/8 1527/13 1528/23 1529/1 1535/8 1536/17 1536/25 1537/12 1538/16 1539/24 1543/8 1544/21 1556/1 1563/13 1563/18 1566/7 1571/14 1571/19 1572/4 1574/11 1578/10 1579/10 1580/20 1581/6 1582/16 1583/6 1583/14 1587/13 1588/20 1590/25 1591/22 1593/7 1593/20 1593/25 1595/7 1596/16 1596/24 1597/10 1598/10 1598/15 1599/3 1599/4 1599/10 1600/8 1600/9 1600/10</p> <p>order [6] 1471/5 1501/8 1551/15 1594/12 1597/7 1598/4</p> <p>ordinary [3] 1474/1 1516/1 1567/16</p> <p>original [2] 1467/6 1480/11</p> <p>other [20] 1465/21 1470/3 1471/9 1492/15 1493/10 1493/11 1518/17 1518/23 1531/22 1539/20 1550/13 1555/9 1563/24 1564/1 1570/19 1584/8 1584/14 1588/17 1598/12 1598/20</p> <p>others [8] 1480/15 1484/19 1486/21 1510/20 1511/20 1512/21 1522/12 1566/2</p> <p>otherwise [1] 1473/16</p> <p>our [39] 1467/3 1467/19 1469/13 1470/11 1472/14 1472/15 1473/5 1475/24 1481/12 1487/3 1488/12 1489/12 1491/25 1494/15 1499/7 1506/5 1512/2 1512/12 1522/11 1524/16 1525/6 1526/14 1526/14 1526/24 1528/12 1528/15 1528/22 1541/14 1553/5 1558/10 1558/24 1559/12 1560/1 1565/17 1576/16 1590/20 1590/22 1591/23 1599/23</p>	<p>out [36] 1463/10 1463/20 1463/25 1470/18 1471/8 1471/10 1473/18 1486/8 1486/8 1486/10 1488/2 1488/5 1497/10 1501/8 1505/3 1505/4 1505/6 1509/17 1510/11 1512/12 1517/7 1524/13 1524/18 1526/17 1526/24 1526/25 1537/22 1541/16 1546/3 1546/9 1546/11 1551/1 1563/13 1588/18 1594/12 1595/12</p> <p>outage [19] 1503/7 1503/12 1503/13 1503/14 1504/25 1508/5 1508/6 1508/17 1512/2 1518/1 1518/13 1541/10 1541/21 1551/12 1556/18 1568/11 1569/11 1573/8 1581/19</p> <p>outages [21] 1502/25 1503/1 1503/2 1503/9 1503/21 1508/8 1508/10 1540/18 1540/24 1542/10 1542/16 1542/24 1543/1 1543/3 1543/8 1543/17 1543/20 1544/22 1544/24 1545/25 1546/1</p> <p>over [14] 1463/13 1469/22 1477/20 1483/10 1485/4 1491/4 1516/7 1516/14 1516/14 1564/1 1566/19 1567/7 1567/9 1581/4</p> <p>override [1] 1506/9</p> <p>overruled [7] 1469/3 1510/2 1532/18 1536/11 1593/4 1595/17 1599/6</p> <p>oversight [1] 1522/21</p> <p>own [6] 1504/9 1523/14 1540/6 1578/20 1578/20 1585/9</p> <p>owners [4] 1487/20 1502/6 1502/6 1504/6</p> <p>ownership [4] 1523/2 1523/4 1523/6 1574/11</p> <p>P</p> <p>p.m [1] 1480/18</p> <p>page [98] 1470/24 1482/22 1484/3 1484/17 1485/2 1485/4 1485/9 1485/15 1485/16 1485/16 1493/7 1495/2 1495/11 1497/11 1497/13 1506/19 1513/14 1527/20 1528/1 1530/10 1530/10 1531/11 1533/14 1534/14 1534/18 1534/20 1536/13 1537/7 1537/8 1538/8 1538/19 1539/10 1541/9 1544/10 1544/12 1544/13 1544/15 1544/15 1544/18 1545/1 1545/19 1545/24 1547/14 1547/15 1548/13 1549/13 1549/15 1550/21 1550/22 1551/1 1551/21 1552/3 1554/4 1555/2 1556/15 1557/23 1558/2 1558/25 1560/3 1562/3 1562/18 1562/23 1563/23 1565/6 1565/25 1566/4 1568/20 1568/22 1568/23 1572/14 1572/20 1573/18 1573/25 1575/2 1576/23 1578/7 1581/3 1581/4 1581/21 1582/15 1582/19 1582/21 1582/22 1583/1 1583/12 1584/24 1590/3 1592/15 1592/20 1592/25 1594/10 1594/11 1594/12 1594/17 1595/14 1596/10 1596/14 1596/21</p> <p>pages [20] 1470/19 1472/16 1520/6 1530/7 1530/13 1530/14 1534/24 1546/14 1546/17 1547/11 1547/17 1559/25 1562/1 1562/17 1568/24 1569/9 1572/24 1573/17 1593/4 1597/15</p> <p>paper [2] 1589/4 1589/17</p> <p>paragraph [13] 1482/23 1482/25 1483/13 1483/20 1484/5 1485/3 1513/11 1513/12 1513/17 1513/20 1553/14 1556/20 1597/18</p> <p>paraphrasing [1] 1523/7</p> <p>pardon [2] 1499/22 1592/23</p> <p>parentheses [1] 1487/6</p> <p>part [29] 1468/5 1483/16 1491/6 1492/18 1492/18 1497/17 1498/13 1498/16 1499/7 1501/23 1508/6 1513/19 1528/1 1532/1 1532/3 1546/16 1550/25 1552/21 1553/3 1555/3 1560/12 1562/10 1565/2 1570/15 1576/15 1576/17 1579/19 1595/6 1596/3</p> <p>particular [9] 1493/7 1536/19 1539/1 1548/16 1563/4 1563/12 1585/23 1590/20</p>	<p>1591/17</p> <p>particulars [1] 1473/17</p> <p>parties [1] 1473/22</p> <p>partner [1] 1545/18</p> <p>Parts [1] 1575/10</p> <p>party [2] 1532/16 1536/2</p> <p>pass [2] 1510/21 1577/14</p> <p>passage [6] 1483/1 1512/7 1572/16 1592/16 1593/14 1594/5</p> <p>passed [2] 1508/6 1574/24</p> <p>past [34] 1461/22 1467/17 1481/12 1488/6 1488/7 1488/8 1488/12 1491/7 1491/12 1492/19 1508/10 1512/3 1515/2 1536/24 1536/25 1537/1 1537/12 1537/12 1542/25 1543/3 1543/16 1544/21 1544/24 1545/16 1545/25 1550/13 1551/18 1551/20 1551/20 1551/22 1556/14 1563/18 1565/8 1565/21</p> <p>PCAQ [9] 1492/20 1535/5 1536/15 1579/1 1579/8 1580/14 1581/18 1584/2 1596/16</p> <p>PCAQs [6] 1491/13 1493/19 1579/16 1581/14 1582/16 1584/1</p> <p>penalized [1] 1474/2</p> <p>penetration [2] 1510/23 1511/22</p> <p>people [9] 1465/21 1480/20 1493/16 1493/17 1558/22 1563/24 1566/14 1571/14 1580/24</p> <p>perceived [1] 1473/17</p> <p>percent [5] 1487/5 1490/10 1493/3 1535/5 1536/16</p> <p>perform [2] 1462/1 1465/25</p> <p>performance [3] 1540/6 1540/8 1574/21</p> <p>performed [6] 1490/11 1490/16 1497/20 1594/25 1597/7 1598/5</p> <p>perhaps [1] 1493/25</p> <p>period [7] 1475/16 1491/21 1498/9 1531/16 1579/2 1582/17 1585/2</p> <p>periodically [1] 1482/15</p> <p>perjury [1] 1528/4</p> <p>permit [4] 1469/15 1490/15 1523/23 1600/10</p> <p>permitted [3] 1474/15 1474/16 1587/15</p> <p>person [1] 1465/19</p> <p>personal [2] 1504/10 1550/19</p> <p>personally [3] 1516/21 1532/10 1538/14</p> <p>personnel [1] 1526/11</p> <p>perspective [3] 1532/11 1538/2 1540/2</p> <p>Pete [1] 1564/2</p> <p>photo [5] 1503/15 1503/15 1541/24 1542/1 1542/2</p> <p>photograph [2] 1520/1 1520/12</p> <p>photographs [5] 1519/11 1519/17 1519/19 1520/9 1542/20</p> <p>photos [1] 1546/10</p> <p>phrase [1] 1552/1</p> <p>physical [1] 1463/9</p> <p>picture [3] 1507/14 1507/21 1507/21</p> <p>pictured [1] 1492/14</p> <p>pictures [16] 1503/14 1503/18 1507/2 1507/3 1507/4 1507/5 1507/6 1507/13 1508/3 1508/4 1519/14 1519/15 1544/23 1545/16 1546/1 1546/20</p> <p>piece [1] 1467/24</p> <p>pieces [1] 1589/4</p> <p>piles [3] 1520/13 1520/14 1520/15</p> <p>place [3] 1506/4 1586/1 1595/16</p> <p>placed [1] 1504/5</p> <p>placing [1] 1531/20</p> <p>Plaintiffs [2] 1459/4 1459/13</p> <p>plan [1] 1469/21</p> <p>plant [18] 1481/10 1487/19 1487/20 1488/11 1500/25 1509/22 1516/1 1516/5 1516/7 1521/3 1526/12 1531/2 1531/7 1552/7 1566/19 1567/7 1567/9 1567/16</p> <p>plant's [2] 1463/10 1540/8</p>
--	--	---

<p>P</p> <p>planted [1] 1472/24</p> <p>plants [3] 1478/9 1502/11 1539/1</p> <p>playing [1] 1528/21</p> <p>please [26] 1464/8 1464/9 1464/12 1469/13 1482/4 1499/15 1504/2 1519/21 1523/21 1523/23 1528/11 1534/19 1538/4 1539/10 1543/5 1544/25 1547/14 1549/14 1556/2 1564/11 1575/24 1588/13 1595/18 1597/17 1599/8 1600/7</p> <p>PNW [1] 1502/6</p> <p>podium [1] 1471/10</p> <p>point [21] 1464/22 1472/3 1478/25 1527/2 1531/13 1541/6 1545/13 1547/18 1553/13 1555/20 1562/3 1567/18 1569/8 1569/9 1582/9 1590/18 1590/23 1591/2 1591/10 1593/10 1595/2</p> <p>pointed [3] 1488/5 1512/12 1517/7</p> <p>points [1] 1477/7</p> <p>policy [3] 1548/21 1569/2 1591/14</p> <p>Poole [42] 1459/17 1474/12 1480/4 1482/12 1482/13 1483/12 1495/10 1496/9 1500/13 1502/22 1506/11 1521/21 1540/16 1546/25 1550/3 1553/18 1557/8 1559/1 1559/19 1561/11 1563/15 1565/20 1566/17 1567/14 1568/5 1568/16 1570/14 1574/10 1577/2 1577/17 1577/24 1578/25 1579/7 1579/19 1579/22 1583/2 1583/10 1584/1 1584/20 1584/25 1589/14 1597/16</p> <p>Poole's [2] 1506/20 1592/21</p> <p>Port [1] 1501/11</p> <p>portion [4] 1485/18 1485/19 1513/16 1596/3</p> <p>portions [6] 1471/9 1474/17 1516/25 1517/2 1532/8 1532/9</p> <p>ports [4] 1488/16 1489/4 1512/5 1555/13</p> <p>pose [1] 1520/20</p> <p>posed [1] 1502/23</p> <p>position [4] 1523/2 1523/4 1545/25 1553/1</p> <p>positive [2] 1571/19 1572/4</p> <p>possibility [4] 1514/8 1553/23 1559/9 1559/22</p> <p>possible [5] 1462/6 1513/21 1513/23 1556/16 1565/16</p> <p>Possibly [1] 1557/15</p> <p>potential [3] 1526/22 1528/4 1590/18</p> <p>potentially [2] 1498/14 1590/25</p> <p>practice [7] 1473/21 1527/9 1528/15 1576/16 1590/16 1591/9 1593/11</p> <p>Prasoon [27] 1479/7 1479/8 1479/8 1480/13 1480/14 1481/9 1484/19 1486/19 1487/17 1487/17 1488/22 1489/1 1489/3 1492/25 1493/17 1510/19 1511/20 1512/20 1536/18 1555/10 1558/5 1558/17 1558/21 1561/3 1564/3 1564/15 1581/9</p> <p>PRC2 [1] 1502/3</p> <p>precise [2] 1470/20 1563/9</p> <p>preexisting [7] 1496/17 1496/20 1497/10 1594/8 1594/18 1595/9 1595/21</p> <p>preoccupied [1] 1546/5</p> <p>preordain [1] 1471/14</p> <p>preparation [3] 1461/7 1515/17 1579/3</p> <p>preparations [1] 1480/20</p> <p>prepared [2] 1492/25 1515/15</p> <p>preparing [1] 1480/22</p> <p>presence [1] 1496/19</p> <p>present [3] 1470/1 1562/11 1562/13</p> <p>presentations [2] 1518/12 1568/10</p> <p>presented [6] 1468/19 1474/25 1475/7 1478/17 1563/20 1565/21</p> <p>presenting [2] 1471/4 1515/23</p> <p>presently [1] 1489/18</p>	<p>president [1] 1515/13</p> <p>pressure [5] 1462/13 1462/14 1463/4 1463/6 1463/10</p> <p>presume [1] 1599/19</p> <p>previous [7] 1469/14 1484/25 1490/15 1520/16 1521/15 1523/21 1575/15</p> <p>previously [6] 1481/23 1485/11 1506/4 1509/7 1517/18 1575/8</p> <p>primary [1] 1522/18</p> <p>prior [10] 1478/20 1478/23 1493/16 1501/20 1502/24 1503/2 1503/4 1508/8 1578/3 1583/19</p> <p>probabilistic [1] 1467/19</p> <p>probably [8] 1538/16 1542/5 1575/5 1575/6 1575/7 1583/15 1585/11 1598/11</p> <p>problem [11] 1470/18 1471/3 1471/12 1472/13 1472/14 1487/23 1487/24 1490/8 1505/16 1527/25 1590/11</p> <p>problem's [1] 1474/25</p> <p>problems [2] 1493/11 1504/9</p> <p>procedure [10] 1497/15 1497/21 1497/23 1498/4 1504/13 1528/3 1528/17 1578/1 1594/25 1594/25</p> <p>procedures [1] 1497/19</p> <p>proceed [5] 1471/4 1474/9 1475/1 1536/10 1590/17</p> <p>proceedings [2] 1460/11 1601/4</p> <p>process [8] 1468/5 1473/9 1497/14 1498/18 1519/10 1533/5 1578/9 1581/5</p> <p>produced [3] 1460/12 1498/1 1504/24</p> <p>program [7] 1477/12 1500/5 1500/20 1500/23 1501/25 1502/3 1503/25</p> <p>prohibition [2] 1475/13 1535/25</p> <p>promise [1] 1556/4</p> <p>promoted [2] 1501/5 1504/3</p> <p>proper [1] 1472/22</p> <p>properly [2] 1492/1 1599/21</p> <p>proposal [2] 1488/15 1488/20</p> <p>propose [1] 1489/20</p> <p>prosecution [1] 1528/14</p> <p>protection [2] 1476/24 1477/1</p> <p>protocol [1] 1528/24</p> <p>proud [2] 1571/6 1571/11</p> <p>provide [3] 1468/2 1486/11 1495/1</p> <p>provided [12] 1467/17 1467/19 1468/5 1484/15 1490/20 1497/18 1508/12 1538/2 1540/1 1540/15 1564/7 1581/9</p> <p>pull [6] 1482/14 1517/17 1597/6 1597/6 1598/4 1598/4</p> <p>pulled [6] 1493/13 1583/16 1583/16 1583/19 1598/11 1599/1</p> <p>pulling [2] 1583/5 1596/23</p> <p>pump [1] 1498/13</p> <p>pure [1] 1562/9</p> <p>purpose [3] 1483/9 1526/8 1589/25</p> <p>purposes [4] 1491/15 1493/5 1516/1 1567/16</p> <p>pursuant [1] 1569/2</p> <p>push [1] 1489/8</p> <p>pushed [1] 1489/3</p> <p>put [12] 1472/11 1473/25 1475/12 1477/13 1489/4 1500/24 1519/17 1553/4 1555/10 1563/9 1565/13 1565/18</p> <p>puts [2] 1471/1 1532/14</p> <p>putting [4] 1471/7 1519/10 1519/15 1565/10</p> <p>Q</p> <p>qualified [2] 1518/13 1568/11</p> <p>quality [1] 1497/18</p> <p>question [93] 1461/18 1462/11 1463/17 1478/21 1484/11 1494/5 1494/11 1494/12 1494/25 1495/2 1495/13 1495/14 1496/11 1497/12 1497/13 1502/13 1502/16 1502/18</p>	<p>1502/19 1502/20 1502/23 1512/2 1513/2 1514/10 1518/5 1521/8 1521/23 1529/17 1529/24 1529/24 1530/5 1530/17 1532/19 1532/21 1534/25 1535/4 1536/14 1536/22 1537/16 1537/23 1539/3 1539/5 1540/19 1541/9 1541/20 1543/22 1545/24 1546/18 1546/19 1550/13 1550/20 1551/9 1554/6 1554/7 1554/12 1554/21 1555/21 1556/1 1556/7 1561/11 1563/9 1568/7 1568/9 1568/14 1568/18 1570/18 1571/18 1572/21 1574/5 1574/5 1574/10 1575/2 1575/3 1579/20 1581/22 1582/3 1582/21 1583/3 1583/3 1583/13 1586/12 1586/13 1586/14 1593/10 1593/21 1595/18 1596/4 1596/20 1596/23 1597/15 1597/17 1598/9 1598/18</p> <p>question's [1] 1546/22</p> <p>questioner [1] 1474/3</p> <p>questioners [1] 1474/3</p> <p>questioning [3] 1532/13 1532/25 1537/3</p> <p>questions [20] 1461/15 1463/1 1468/8 1473/7 1487/11 1494/2 1521/16 1523/10 1545/9 1546/25 1547/3 1550/20 1554/22 1557/6 1562/7 1566/7 1574/13 1583/25 1589/22 1599/12</p> <p>quickly [1] 1568/22</p> <p>quite [2] 1492/11 1574/19</p> <p>quote [2] 1473/14 1540/5</p> <p>quoted [2] 1529/5 1552/2</p> <p>R</p> <p>R.A [2] 1465/14 1465/18</p> <p>radar [1] 1468/24</p> <p>ranks [1] 1500/24</p> <p>rate [2] 1513/9 1514/3</p> <p>rates [3] 1554/3 1554/10 1556/17</p> <p>rather [2] 1485/17 1580/9</p> <p>ratifies [1] 1521/15</p> <p>RC [1] 1504/10</p> <p>RC2 [1] 1578/5</p> <p>reaction [2] 1492/10 1515/9</p> <p>reactor [26] 1465/24 1477/9 1478/12 1478/12 1478/23 1488/17 1490/14 1490/18 1492/7 1498/13 1500/22 1504/24 1510/22 1516/25 1518/1 1521/24 1526/13 1527/24 1533/22 1540/17 1546/7 1565/8 1576/19 1583/4 1590/10 1596/22</p> <p>read [49] 1465/8 1466/21 1466/24 1469/16 1472/9 1482/19 1487/1 1494/9 1496/2 1496/13 1497/21 1512/16 1512/17 1513/23 1518/9 1520/12 1523/24 1526/16 1532/21 1535/20 1544/17 1544/25 1546/17 1547/19 1549/17 1549/20 1553/8 1555/15 1557/17 1557/24 1560/24 1565/25 1568/22 1572/20 1581/11 1584/8 1590/7 1592/14 1592/17 1592/21 1593/3 1594/11 1594/14 1594/23 1594/24 1595/14 1596/5 1596/20 1600/7</p> <p>readable [1] 1495/13</p> <p>readily [1] 1546/10</p> <p>reading [8] 1474/17 1475/18 1483/4 1483/6 1511/16 1520/14 1569/4 1598/3</p> <p>reads [1] 1483/17</p> <p>ready [2] 1546/5 1589/20</p> <p>real [1] 1477/2</p> <p>really [8] 1468/23 1470/17 1502/8 1509/17 1512/2 1528/21 1550/12 1558/7</p> <p>reason [10] 1465/23 1479/13 1493/5 1506/24 1514/14 1517/12 1562/8 1569/17 1585/23 1586/2</p> <p>reasons [2] 1472/24 1523/13</p> <p>reassemble [1] 1523/18</p> <p>rebuilding [1] 1546/8</p> <p>recall [36] 1470/2 1477/22 1483/13 1486/9 1511/13 1511/16 1517/4 1518/16 1520/22 1521/7 1525/9 1531/6 1531/22 1536/7</p>
---	--	---

R		
<p>recall... [22] 1538/5 1538/17 1539/5 1544/19 1550/4 1550/16 1553/19 1564/20 1568/17 1570/25 1575/9 1577/4 1578/1 1578/25 1580/16 1584/20 1585/25 1586/2 1592/7 1592/11 1593/17 1594/5 recantation [3] 1537/5 1584/16 1584/19 recanted [3] 1534/9 1534/14 1580/12 recanting [2] 1537/14 1599/3 receive [1] 1504/12 received [6] 1465/14 1466/3 1466/13 1467/12 1511/7 1525/15 receiving [3] 1481/13 1482/10 1511/5 recess [5] 1469/24 1475/21 1524/3 1575/16 1600/7 recognize [5] 1482/7 1507/21 1517/21 1520/5 1558/12 recollection [14] 1481/14 1482/19 1483/9 1487/15 1496/1 1496/5 1513/4 1531/4 1539/17 1557/20 1564/25 1580/13 1580/18 1580/19 record [18] 1464/13 1469/10 1472/20 1473/3 1473/3 1473/11 1473/19 1473/23 1476/7 1477/13 1496/6 1500/3 1505/12 1506/4 1506/5 1506/9 1600/18 1601/4 recorded [5] 1460/11 1477/19 1501/13 1525/7 1525/10 recording [1] 1525/13 recross [1] 1593/1 red [6] 1503/15 1503/15 1503/17 1541/23 1542/1 1542/2 redirect [7] 1461/19 1463/18 1551/21 1557/9 1570/8 1589/14 1589/15 refer [8] 1482/15 1483/7 1483/8 1483/8 1484/16 1576/22 1589/16 1596/10 reference [6] 1545/13 1554/1 1560/1 1571/3 1580/6 1594/16 references [2] 1576/23 1576/24 referral [2] 1590/21 1590/24 referred [5] 1491/13 1537/4 1539/18 1578/3 1583/2 referring [11] 1466/5 1488/1 1488/3 1505/25 1509/11 1539/6 1543/11 1553/6 1561/2 1594/17 1596/2 refined [1] 1466/10 reflected [2] 1461/9 1505/23 reflects [1] 1557/5 refresh [4] 1482/19 1496/1 1496/5 1539/17 refreshing [1] 1483/9 refuel [2] 1512/2 1541/10 refueling [13] 1503/7 1503/12 1504/25 1518/1 1518/13 1540/18 1541/21 1546/1 1551/12 1556/18 1568/11 1569/10 1581/19 regard [4] 1515/4 1522/14 1566/5 1577/8 regarding [3] 1507/2 1526/13 1564/23 regards [2] 1527/22 1590/8 region [5] 1524/13 1524/15 1524/18 1524/20 1524/22 regulatory [6] 1476/10 1508/12 1527/22 1528/3 1562/17 1590/9 related [5] 1469/6 1504/17 1507/9 1581/14 1581/19 relates [1] 1514/2 relating [1] 1484/21 relative [1] 1517/5 relax [1] 1469/21 release [1] 1469/7 relevant [1] 1567/25 relied [1] 1491/17 remain [1] 1470/1 remainder [1] 1485/18 remedy [1] 1474/20</p>	<p>remember [38] 1468/6 1469/14 1481/15 1492/16 1501/13 1521/17 1521/19 1523/21 1530/8 1531/9 1538/25 1539/15 1540/18 1547/3 1547/12 1548/11 1548/14 1548/16 1557/20 1561/25 1565/1 1568/7 1568/14 1568/16 1572/9 1574/12 1575/1 1577/5 1578/5 1579/12 1585/6 1585/13 1585/22 1588/3 1589/22 1593/21 1597/3 1600/7 remembering [1] 1575/15 remind [1] 1586/14 removal [2] 1490/20 1547/1 remove [2] 1467/10 1490/15 removed [6] 1485/8 1485/21 1486/1 1486/4 1490/14 1520/18 removing [1] 1563/3 repeat [5] 1478/21 1528/10 1568/8 1595/18 1597/16 repeatedly [4] 1539/6 1539/18 1540/3 1561/23 repetition [1] 1549/19 rephrase [2] 1543/4 1598/24 replace [1] 1484/25 report [32] 1492/24 1492/25 1498/7 1505/2 1505/5 1505/5 1505/17 1506/14 1506/18 1506/23 1507/22 1508/15 1508/19 1508/21 1509/1 1518/4 1518/8 1526/9 1526/17 1534/15 1537/14 1547/1 1547/2 1548/11 1548/24 1549/1 1582/14 1596/17 1596/17 1597/23 1597/25 1598/6 reporter [4] 1460/8 1501/14 1525/5 1525/16 reports [36] 1491/7 1491/8 1491/13 1492/19 1492/19 1493/13 1504/24 1505/1 1505/24 1515/2 1548/3 1548/7 1548/10 1548/15 1548/22 1549/4 1563/18 1579/15 1580/6 1580/21 1580/23 1581/14 1582/4 1582/11 1582/17 1583/4 1583/15 1583/16 1593/20 1593/20 1593/25 1593/25 1596/22 1598/11 1598/12 1599/2 represent [1] 1588/6 represented [4] 1477/18 1487/19 1529/23 1570/6 request [9] 1480/2 1486/9 1489/14 1489/15 1489/17 1489/20 1490/23 1494/20 1494/23 requested [4] 1491/23 1498/19 1578/10 1585/4 requesting [3] 1512/5 1512/13 1555/12 require [2] 1553/1 1593/5 required [1] 1498/16 requirement [2] 1476/21 1476/21 requirements [2] 1476/20 1526/13 requires [1] 1490/10 reread [1] 1564/11 research [1] 1522/11 resident [1] 1524/23 resolved [1] 1548/19 respect [11] 1477/7 1494/8 1506/25 1512/3 1513/9 1536/8 1550/13 1563/25 1580/5 1581/25 1590/16 respectfully [2] 1474/8 1536/1 respond [4] 1473/19 1480/20 1481/4 1529/17 responded [3] 1486/7 1498/6 1536/18 responds [1] 1502/19 response [35] 1482/2 1482/5 1487/3 1487/8 1488/2 1491/7 1495/1 1496/13 1496/25 1497/12 1497/21 1498/20 1499/3 1499/4 1499/5 1502/18 1514/19 1515/6 1515/8 1515/10 1517/8 1532/24 1536/14 1536/24 1552/16 1553/5 1553/16 1555/5 1562/4 1565/14 1565/17 1565/19 1578/11 1595/7 1598/21 responses [11] 1481/5 1491/15 1494/19</p>	<p>1494/23 1498/10 1507/10 1515/1 1533/2 1563/16 1579/2 1593/19 responsibility [7] 1522/18 1522/20 1522/23 1523/8 1523/9 1574/11 1574/16 responsible [2] 1522/16 1563/3 rest [5] 1471/13 1471/14 1570/7 1600/15 1600/18 restate [2] 1502/18 1598/19 rested [1] 1600/3 resting [1] 1599/18 restraint [10] 1508/22 1508/25 1547/2 1547/6 1547/23 1548/18 1592/9 1592/16 1593/8 1593/15 restraints [1] 1548/7 restrictions [1] 1495/14 result [8] 1463/11 1483/22 1483/23 1498/14 1504/8 1529/3 1538/15 1581/23 resulted [1] 1496/20 results [8] 1467/7 1481/12 1485/4 1486/2 1488/13 1519/8 1572/9 1581/6 resume [2] 1471/24 1523/14 retained [1] 1525/13 retracting [1] 1599/3 returned [1] 1518/10 review [16] 1462/1 1481/11 1488/12 1492/19 1499/7 1515/2 1516/9 1538/1 1541/3 1547/1 1548/11 1564/15 1564/18 1565/5 1566/13 1581/5 reviewed [12] 1468/16 1491/7 1492/20 1492/22 1499/7 1525/20 1533/25 1548/9 1548/9 1579/1 1579/8 1579/15 reviewing [2] 1516/17 1566/5 reviews [2] 1565/10 1574/3 revise [1] 1467/16 revised [1] 1504/12 revision [1] 1498/6 RFO [30] 1489/24 1489/24 1490/12 1490/16 1503/20 1512/1 1541/12 1541/13 1541/16 1541/16 1542/10 1542/15 1542/20 1542/21 1543/11 1543/24 1545/21 1545/23 1546/4 1546/6 1546/20 1547/1 1555/16 1568/7 1568/25 1572/22 1572/25 1573/1 1573/7 1581/6 Richard [2] 1459/17 1459/24 right [164] rings [1] 1546/8 risk [2] 1467/19 1558/8 rod [11] 1477/5 1477/15 1480/10 1486/3 1490/11 1490/23 1496/21 1498/1 1581/7 1582/1 1588/1 Rodney [3] 1460/2 1482/2 1484/19 role [3] 1532/5 1533/11 1563/3 routinely [1] 1531/2 RPR [2] 1460/8 1601/8 rude [1] 1558/9 rule [9] 1471/7 1474/15 1474/15 1475/17 1506/6 1506/8 1590/19 1592/19 1592/25 rules [1] 1474/14 rumor [1] 1480/25 run [1] 1572/22 rust [2] 1503/17 1538/13 RV [2] 1497/13 1511/21</p>
S		
		<p>said [149] same [17] 1472/14 1472/16 1479/13 1479/13 1484/4 1493/9 1493/15 1526/24 1533/14 1547/16 1549/1 1549/4 1558/25 1560/8 1561/11 1580/7 1583/12 sat [2] 1557/16 1597/14 satisfactorily [1] 1510/7 satisfied [2] 1516/16 1554/12 saw [20] 1461/11 1461/11 1462/19 1463/3 1492/10 1494/12 1503/14 1505/3 1505/19</p>

S		
<p>saw... [11] 1508/7 1518/24 1545/19 1571/19 1582/22 1583/6 1584/1 1587/15 1596/25 1598/15 1599/3 say [34] 1470/24 1474/1 1483/7 1487/3 1488/20 1489/2 1490/9 1499/20 1514/20 1516/17 1521/1 1533/16 1535/5 1536/15 1546/8 1550/1 1551/21 1556/17 1556/24 1561/12 1563/25 1567/6 1567/24 1567/24 1573/19 1580/2 1580/10 1582/6 1584/4 1585/8 1587/22 1588/4 1588/22 1596/1 saying [14] 1485/10 1493/21 1513/7 1545/11 1549/9 1550/16 1556/16 1560/15 1560/23 1563/11 1566/4 1582/7 1589/10 1595/22 says [42] 1467/1 1481/9 1482/2 1482/4 1489/24 1494/22 1496/18 1497/13 1497/21 1510/20 1512/11 1512/25 1520/13 1521/13 1522/19 1536/14 1550/14 1561/2 1562/8 1562/19 1562/20 1562/25 1562/25 1563/1 1563/2 1563/4 1572/23 1572/24 1572/25 1573/1 1573/2 1573/3 1573/6 1573/7 1574/2 1594/19 1597/7 1597/11 1597/12 1597/13 1598/5 1598/11 scatter [2] 1473/8 1473/14 scheduled [5] 1509/16 1547/7 1547/24 1593/6 1593/8 scheduling [1] 1469/6 schematics [1] 1528/21 school [1] 1477/12 scope [4] 1496/15 1535/11 1535/14 1536/7 scratches [1] 1461/12 screen [8] 1465/7 1465/10 1468/24 1480/6 1483/4 1487/2 1558/11 1559/2 seal [1] 1462/4 second [9] 1466/4 1466/6 1466/7 1469/6 1483/19 1497/12 1513/20 1541/20 1544/7 secretary [2] 1491/22 1585/3 section [16] 1483/22 1483/23 1484/13 1488/4 1488/5 1493/9 1493/9 1494/9 1496/13 1508/22 1509/11 1512/8 1513/8 1535/18 1545/11 1592/14 sections [1] 1486/2 Security [1] 1504/22 see [34] 1463/11 1463/23 1465/7 1466/5 1467/9 1480/5 1484/4 1485/5 1485/15 1495/12 1506/24 1507/25 1513/10 1517/13 1520/11 1522/11 1523/16 1523/17 1527/14 1534/25 1535/13 1545/9 1547/15 1559/3 1560/4 1565/1 1565/2 1573/22 1573/23 1573/25 1581/1 1583/14 1595/4 1598/10 seeing [3] 1511/13 1537/19 1538/14 seek [3] 1499/13 1546/9 1546/11 seeked [1] 1546/3 seem [1] 1585/25 seems [3] 1473/7 1549/19 1570/18 seen [49] 1461/4 1461/5 1463/9 1481/16 1492/22 1493/3 1493/15 1493/19 1503/17 1503/19 1508/4 1508/8 1508/10 1518/11 1522/3 1534/3 1537/12 1537/13 1542/19 1542/25 1543/3 1543/7 1543/15 1543/20 1543/25 1544/21 1544/24 1545/16 1546/1 1546/20 1568/9 1579/10 1579/23 1580/8 1580/17 1580/20 1580/21 1580/23 1581/15 1581/23 1582/4 1582/9 1582/10 1582/16 1584/2 1584/21 1585/17 1585/24 1599/10 seepage [1] 1465/25 self [1] 1574/21 send [2] 1467/3 1468/21 sends [1] 1525/16 senior [4] 1476/12 1478/12 1487/18 1500/22</p>	<p>sense [6] 1471/19 1545/12 1551/22 1568/4 1571/11 1580/15 sent [6] 1466/22 1467/6 1477/10 1498/7 1561/3 1591/4 sentence [15] 1483/17 1483/19 1483/21 1484/6 1485/5 1485/8 1485/21 1485/21 1513/10 1513/21 1513/23 1514/7 1521/13 1562/11 1563/4 separate [5] 1498/10 1498/11 1499/6 1505/23 1539/12 September [12] 1487/8 1488/24 1488/25 1492/3 1492/3 1492/4 1499/3 1501/7 1514/19 1518/8 1562/24 1585/12 September 14th [1] 1518/8 September 27th [1] 1492/3 September 4th [3] 1487/8 1488/24 1499/3 September 4th response [1] 1514/19 September 4th submittal [1] 1488/25 September 4th version [1] 1562/24 serial [12] 1496/15 1496/18 1498/24 1499/2 1499/3 1499/4 1499/5 1499/9 1519/11 1520/6 1535/1 1588/20 series [1] 1474/25 serious [1] 1498/15 seriousness [1] 1545/22 service [5] 1488/17 1489/17 1490/19 1512/14 1525/16 session [1] 1461/1 set [4] 1500/14 1533/14 1570/7 1595/20 setting [2] 1595/6 1595/8 seven [3] 1533/20 1533/23 1539/24 seven-and-a-half [1] 1533/20 several [3] 1480/22 1558/22 1572/24 shall [3] 1474/1 1497/18 1598/19 She [3] 1562/23 1562/25 1563/2 sheet [1] 1577/14 sheets [1] 1522/7 short [1] 1575/12 shortly [1] 1580/7 shot [2] 1473/8 1473/14 shotgun [1] 1565/17 should [9] 1467/16 1474/2 1474/5 1474/5 1482/15 1486/12 1519/22 1536/19 1574/23 shouldn't [2] 1474/6 1556/4 show [12] 1465/23 1466/10 1467/2 1467/10 1479/15 1482/24 1483/24 1489/10 1513/14 1516/13 1520/1 1527/15 showed [5] 1467/7 1504/20 1505/18 1587/11 1587/22 showing [1] 1586/5 shown [7] 1461/6 1475/13 1492/1 1503/18 1587/5 1587/17 1587/25 shows [2] 1467/2 1499/8 shut [1] 1565/15 side [2] 1469/9 1505/11 Siemaszko [20] 1482/4 1486/20 1489/16 1493/17 1510/20 1512/13 1515/18 1516/1 1516/12 1516/15 1519/15 1522/19 1555/11 1564/4 1566/2 1566/17 1566/19 1566/24 1567/11 1567/15 Siemaszko's [4] 1516/10 1567/25 1574/12 1574/17 sign [2] 1532/24 1552/23 signature [1] 1504/21 signatures [1] 1499/8 signed [13] 1498/23 1508/22 1509/2 1509/16 1509/18 1510/3 1510/5 1522/12 1522/12 1547/23 1549/24 1588/20 1589/2 significance [3] 1481/3 1518/18 1570/20 significantly [10] 1503/19 1508/9 1542/9 1542/14 1542/23 1542/25 1543/9 1543/15 1544/20 1544/23 signing [5] 1509/3 1509/4 1522/6 1522/9 1547/6</p>	<p>similar [1] 1576/24 simple [1] 1497/14 simply [1] 1530/17 since [13] 1475/10 1502/3 1502/4 1511/15 1521/14 1528/22 1533/24 1538/1 1539/7 1539/25 1541/3 1591/16 1597/14 single [2] 1474/3 1564/8 sir [115] 1476/7 1477/6 1478/18 1478/25 1479/3 1479/24 1480/7 1480/9 1481/8 1482/9 1482/11 1484/2 1484/6 1484/22 1484/24 1485/7 1486/1 1486/5 1487/13 1488/14 1488/19 1491/10 1492/21 1493/2 1496/22 1496/24 1498/25 1500/17 1501/21 1504/1 1508/16 1508/20 1509/13 1511/25 1512/10 1512/23 1516/3 1516/5 1516/11 1516/23 1517/24 1520/7 1522/1 1522/8 1522/18 1523/7 1524/12 1524/14 1525/2 1525/4 1525/21 1527/19 1529/4 1530/9 1533/4 1534/21 1538/7 1538/18 1539/9 1541/2 1541/5 1557/7 1567/17 1568/24 1574/5 1575/23 1576/7 1576/12 1576/16 1577/1 1577/15 1578/6 1578/14 1578/19 1579/4 1579/6 1579/9 1579/13 1580/4 1580/11 1580/15 1581/12 1581/18 1581/20 1582/6 1582/13 1582/21 1582/25 1584/10 1584/21 1585/7 1585/14 1585/18 1586/16 1586/18 1586/20 1587/19 1587/24 1588/22 1588/24 1588/25 1589/3 1589/10 1589/21 1590/1 1590/6 1590/15 1592/10 1593/16 1593/22 1594/4 1596/19 1597/21 1598/1 1598/8 sit [1] 1577/21 site [12] 1467/23 1498/18 1500/21 1504/11 1504/14 1515/15 1578/10 1580/9 1583/17 1583/22 1598/12 1599/2 sits [1] 1462/8 sitting [2] 1462/15 1476/13 situation [5] 1481/11 1488/12 1510/23 1550/21 1553/6 six [4] 1533/23 1539/24 1592/5 1592/6 size [7] 1479/14 1483/21 1484/9 1485/6 1485/24 1489/18 1490/17 slower [1] 1490/12 small [1] 1510/25 so [77] 1461/14 1462/19 1463/6 1465/8 1465/24 1465/25 1467/23 1467/25 1469/21 1470/22 1471/18 1474/8 1475/20 1476/22 1477/12 1481/6 1482/1 1485/10 1485/13 1485/22 1488/1 1488/23 1491/4 1492/4 1493/7 1493/18 1494/12 1495/3 1495/13 1498/8 1498/16 1498/17 1498/20 1502/18 1505/4 1507/23 1510/3 1510/5 1511/15 1514/12 1514/13 1515/21 1517/9 1517/11 1520/21 1528/5 1529/20 1530/17 1532/7 1532/24 1533/14 1535/16 1544/16 1549/12 1549/21 1550/24 1558/24 1562/18 1564/19 1566/11 1567/14 1570/7 1573/19 1575/3 1577/12 1578/15 1579/25 1580/16 1582/21 1583/25 1587/12 1589/3 1590/23 1593/7 1595/4 1596/2 1596/3 Social [1] 1504/22 soft [1] 1501/3 solely [3] 1515/5 1563/20 1565/22 some [27] 1461/23 1462/2 1462/24 1467/10 1467/16 1470/3 1471/18 1472/4 1478/10 1490/13 1494/24 1498/21 1501/25 1515/17 1520/13 1520/14 1520/15 1523/14 1540/14 1545/9 1549/19 1555/10 1565/12 1578/16 1591/7 1591/9 1593/17 somebody [1] 1479/17 somehow [1] 1474/6 someone [2] 1517/17 1588/3 someplace [1] 1588/10 something [3] 1468/1 1498/15 1507/4</p>

S	1461/22 1461/25 1462/3 1462/5 1462/6 1463/7 1463/8 steel [2] 1462/8 1498/12 steel sits [1] 1462/8 steering [1] 1502/6 stenography [1] 1460/11 step [4] 1464/2 1470/5 1472/3 1599/16 Steve [3] 1513/17 1513/18 1561/5 Stickan [4] 1459/13 1464/11 1465/5 1468/16 still [10] 1489/7 1489/8 1547/15 1554/11 1556/18 1575/7 1584/4 1591/3 1591/5 1594/3 story [2] 1493/21 1493/22 straight [1] 1497/14 Street [2] 1459/25 1460/5 strictly [1] 1491/17 strike [4] 1502/12 1502/15 1532/8 1540/22 strikes [1] 1538/13 strong [2] 1584/5 1584/5 Structural [3] 1465/20 1466/1 1467/9 structure [4] 1488/17 1489/18 1490/19 1512/14 stuck [1] 1586/4 stuff [2] 1546/10 1546/11 subject [21] 1470/1 1473/16 1475/15 1482/5 1486/24 1494/19 1502/1 1511/21 1512/21 1527/21 1528/4 1528/5 1528/13 1528/14 1532/25 1535/24 1556/12 1582/11 1590/8 1597/10 1599/20 subjective [1] 1590/19 submission [1] 1468/5 submissions [1] 1589/8 submit [3] 1474/16 1474/19 1498/16 submittal [1] 1488/25 submittals [1] 1522/15 submitted [3] 1468/18 1588/21 1600/14 subordinate [4] 1516/2 1566/20 1567/12 1567/16 subordinates [1] 1515/22 subpoena [2] 1470/1 1491/25 subsequent [1] 1565/19 successful [4] 1497/15 1541/14 1541/17 1543/23 successfully [1] 1500/22 such [2] 1497/14 1511/3 sufficient [1] 1471/24 suggest [2] 1473/20 1474/8 suggesting [1] 1552/14 suggests [1] 1514/7 Suite [3] 1459/14 1459/24 1460/4 summaries [1] 1474/22 summarize [2] 1470/15 1473/9 summarized [1] 1535/15 summary [20] 1471/4 1471/6 1472/23 1472/23 1472/25 1473/13 1473/16 1474/6 1474/8 1474/15 1474/19 1474/24 1475/2 1475/3 1475/4 1475/14 1532/15 1535/14 1536/5 1540/15 Superior [1] 1459/14 supervisor [3] 1566/18 1567/4 1567/25 supervisors [2] 1516/13 1590/22 supervisory [1] 1500/24 supporting [1] 1591/12 supposed [2] 1575/3 1593/9 sure [19] 1462/11 1468/15 1474/18 1487/3 1489/6 1490/24 1510/23 1511/12 1511/16 1531/12 1544/5 1557/18 1558/7 1558/25 1560/9 1565/15 1585/21 1597/13 1599/20 surface [1] 1462/7 surprised [1] 1492/11 surrounding [3] 1527/24 1576/18 1590/10 Sustained [1] 1521/10 sworn [2] 1464/7 1476/3	SYME [1] 1482/2 system [2] 1498/13 1505/3 systems [5] 1516/5 1516/7 1566/19 1567/7 1567/9 T table [6] 1515/18 1515/22 1516/11 1516/12 1522/15 1522/17 take [30] 1469/13 1471/18 1472/2 1475/20 1486/7 1486/8 1486/8 1486/10 1494/16 1495/20 1501/17 1510/19 1511/23 1512/21 1514/11 1523/13 1525/20 1529/7 1530/10 1535/17 1550/18 1552/21 1590/2 1594/10 1594/21 1594/22 1595/2 1597/18 1599/2 1600/11 taken [10] 1475/21 1478/10 1497/10 1505/22 1509/18 1524/3 1554/2 1554/8 1555/3 1575/16 takes [2] 1591/7 1591/9 taking [3] 1513/25 1586/1 1595/11 talk [14] 1478/19 1478/22 1479/1 1486/12 1486/13 1488/15 1491/6 1498/8 1500/15 1507/5 1512/19 1555/7 1571/14 1596/8 talkative [1] 1530/17 talked [27] 1467/15 1467/18 1487/24 1493/2 1503/16 1515/12 1515/13 1515/19 1516/11 1518/20 1519/13 1527/6 1530/2 1530/7 1542/1 1547/16 1548/3 1548/6 1551/11 1552/21 1554/19 1559/20 1560/18 1563/23 1564/24 1570/22 1581/25 talking [42] 1488/4 1488/5 1493/16 1498/9 1512/17 1514/5 1531/16 1531/19 1542/21 1547/15 1550/11 1552/18 1552/19 1553/4 1553/14 1553/14 1554/15 1554/16 1554/18 1555/20 1556/13 1556/14 1558/5 1558/13 1558/14 1558/17 1558/25 1560/8 1563/17 1566/10 1569/10 1571/5 1571/13 1571/17 1572/3 1572/16 1576/21 1580/24 1582/17 1592/11 1595/25 1598/6 talks [3] 1471/1 1512/4 1597/23 tape [6] 1492/5 1501/13 1525/7 1525/9 1525/15 1585/13 tapes [4] 1492/8 1493/16 1585/17 1585/24 tasks [1] 1523/19 technical [12] 1476/23 1477/8 1487/20 1518/21 1552/2 1552/10 1570/17 1570/23 1571/3 1571/7 1571/12 1571/19 technique [2] 1487/16 1487/23 tell [60] 1462/12 1462/15 1465/17 1475/17 1476/14 1477/15 1477/24 1478/2 1481/2 1485/22 1486/6 1487/14 1489/13 1491/11 1491/19 1492/9 1494/16 1495/19 1499/1 1500/1 1500/15 1501/9 1501/22 1502/23 1503/1 1503/5 1503/11 1504/2 1504/15 1507/24 1508/2 1509/14 1510/11 1511/23 1512/8 1512/22 1513/19 1515/9 1516/21 1518/25 1519/4 1522/2 1525/12 1527/7 1527/11 1528/8 1535/19 1541/6 1561/21 1565/3 1577/6 1578/12 1578/18 1579/19 1579/22 1580/3 1584/25 1585/16 1587/15 1587/25 telling [5] 1506/13 1506/14 1527/2 1568/16 1589/6 ten [6] 1475/20 1476/22 1491/4 1547/11 1547/17 1583/12 ten-minute [1] 1475/20 Tennessee [2] 1477/17 1478/5 tense [3] 1562/11 1562/12 1562/13 terms [1] 1572/12 test [1] 1504/22 testified [6] 1463/7 1524/10 1524/25 1526/5 1555/6 1579/5 testify [5] 1470/14 1472/12 1473/1 1506/22 1513/3.
----------	---	---

T		
testifying [5] 1505/17 1507/2 1507/11 1509/21 1509/24	1578/7 1578/15 1580/6 1580/17 1581/13 1583/1 1590/22 1591/10 1591/10	1568/24 1569/22 1573/5 1574/12 1580/6 1580/8 1580/23 1580/25 1581/15 1582/4 1582/10 1583/14 1583/16 1583/16 1583/19 1583/25 1598/11
testimony [20] 1461/7 1474/8 1482/20 1506/5 1506/25 1535/21 1537/11 1540/14 1543/2 1543/6 1547/22 1556/5 1565/1 1567/3 1570/4 1572/9 1579/12 1580/18 1585/6 1585/15	theoretically [1] 1517/11	though [8] 1462/5 1468/22 1493/9 1494/9 1496/25 1516/6 1518/7 1533/10
text [2] 1482/4 1484/4	there [95] 1462/15 1462/23 1463/4 1463/6 1463/21 1463/23 1466/6 1467/7 1467/20 1467/25 1470/23 1471/6 1473/6 1473/22 1474/2 1477/12 1479/10 1480/25 1483/25 1484/2 1486/10 1490/12 1492/2 1492/13 1493/11 1496/18 1498/11 1500/23 1501/14 1502/10 1503/15 1503/19 1505/1 1505/2 1505/6 1505/7 1508/25 1514/5 1518/13 1518/20 1519/7 1521/22 1522/1 1522/4 1522/4 1525/17 1530/11 1531/12 1537/2 1537/22 1537/23 1539/20 1540/4 1540/4 1542/8 1542/14 1542/22 1544/16 1546/1 1546/13 1549/19 1552/17 1554/24 1555/9 1555/9 1555/9 1555/10 1555/10 1557/16 1560/1 1561/10 1562/2 1562/7 1568/11 1570/22 1572/8 1573/3 1573/8 1575/22 1577/11 1577/16 1582/2 1583/7 1585/22 1586/23 1587/4 1588/17 1591/3 1591/18 1593/6 1594/6 1596/11 1596/15 1596/25 1597/3	thought [22] 1491/24 1492/12 1493/19 1521/2 1529/13 1533/5 1535/21 1536/6 1543/15 1544/7 1549/24 1558/14 1558/21 1579/21 1580/2 1580/4 1584/19 1585/5 1585/17 1585/23 1585/25 1586/3
than [17] 1468/19 1474/17 1492/14 1503/20 1508/9 1542/10 1542/15 1542/23 1542/25 1543/15 1544/21 1544/24 1548/2 1549/23 1550/21 1551/8 1574/19	thereafter [3] 1469/22 1580/7 1580/22	thousands [3] 1548/10 1548/15 1589/4
thank [30] 1461/16 1463/1 1463/16 1464/1 1464/2 1464/12 1468/8 1468/10 1469/23 1470/5 1470/11 1477/14 1480/1 1481/24 1482/20 1494/6 1507/17 1523/10 1524/5 1530/24 1545/3 1557/2 1561/10 1569/7 1570/10 1575/11 1576/4 1589/11 1599/16 1599/22	therefore [5] 1469/13 1475/4 1475/10 1520/20 1521/24	threat [1] 1520/20
Thanks [1] 1482/6	thereto [1] 1506/25	three [16] 1472/7 1512/13 1524/13 1524/18 1524/20 1524/22 1555/12 1566/25 1568/24 1569/9 1584/8 1584/14 1585/19 1586/9 1586/18 1600/4
that [979]	these [19] 1462/4 1474/4 1474/4 1475/7 1475/10 1486/13 1490/14 1490/16 1494/2 1508/3 1518/14 1521/14 1538/3 1545/19 1568/13 1569/9 1582/16 1582/22 1592/3	through [32] 1461/23 1473/18 1477/8 1485/22 1487/4 1489/4 1491/23 1491/25 1501/24 1502/2 1503/15 1512/12 1531/23 1537/9 1538/15 1538/16 1544/25 1545/10 1548/13 1548/15 1559/17 1568/23 1569/4 1569/6 1569/9 1578/8 1585/4 1590/7 1592/17 1594/11 1594/18 1597/14
that's [140] 1461/5 1465/15 1466/16 1466/20 1468/20 1469/1 1471/12 1472/5 1474/20 1475/19 1476/18 1480/6 1480/11 1484/10 1486/15 1486/15 1486/22 1486/25 1488/3 1491/2 1491/3 1493/11 1493/22 1493/24 1494/2 1494/15 1495/2 1495/2 1496/22 1498/2 1501/6 1507/15 1508/20 1508/23 1508/25 1510/8 1510/10 1510/15 1512/16 1514/2 1514/19 1515/19 1517/18 1518/3 1518/4 1520/10 1521/4 1523/10 1524/19 1524/24 1526/7 1526/19 1527/5 1528/1 1528/14 1530/4 1530/16 1531/13 1532/22 1533/19 1534/14 1535/16 1536/6 1537/2 1538/19 1541/5 1541/15 1544/1 1547/9 1549/2 1549/8 1550/2 1550/10 1550/14 1550/15 1551/3 1552/9 1553/1 1553/24 1554/11 1554/25 1555/17 1555/21 1556/10 1557/1 1557/22 1559/1 1559/6 1559/24 1561/1 1563/13 1563/22 1564/3 1566/16 1566/21 1566/21 1567/2 1567/8 1567/13 1569/16 1570/2 1573/9 1574/9 1575/11 1576/20 1578/22 1578/24 1579/14 1579/19 1580/13 1582/10 1582/11 1582/13 1583/8 1583/11 1583/21 1584/4 1586/1 1586/5 1586/7 1586/8 1586/9 1586/25 1587/6 1587/9 1589/10 1591/4 1594/17 1594/23 1595/7 1596/1 1596/2 1596/4 1596/6 1596/7 1598/8 1599/12 1600/5 1600/6 1600/11	throughout [7] 1476/14 1480/25 1531/1 1552/16 1552/20 1563/10 1572/16	
their [17] 1461/24 1470/12 1470/16 1480/20 1504/9 1512/4 1513/10 1514/13 1517/9 1517/9 1518/18 1527/1 1555/11 1561/15 1564/25 1570/21 1571/12	they [68] 1461/14 1461/24 1461/25 1467/9 1467/21 1470/25 1472/24 1472/25 1474/19 1479/11 1479/12 1480/22 1481/11 1487/21 1488/5 1488/12 1491/7 1491/13 1491/14 1491/15 1498/20 1503/9 1503/9 1504/12 1506/7 1507/7 1508/5 1510/7 1512/4 1513/7 1514/3 1514/13 1514/14 1514/16 1515/15 1515/19 1515/20 1515/23 1517/11 1517/12 1518/24 1519/17 1522/4 1526/25 1527/1 1528/12 1528/13 1528/14 1528/22 1528/23 1535/14 1540/24 1540/25 1542/21 1543/23 1551/14 1552/13 1563/4 1563/8 1564/18 1564/25 1569/2 1578/16 1581/8 1583/5 1587/16 1591/22 1596/23	thumbs [1] 1590/19
them [31] 1465/21 1465/22 1466/22 1466/25 1475/12 1475/12 1475/12 1482/15 1482/18 1483/24 1491/16 1492/8 1492/10 1499/13 1515/10 1536/4 1546/2 1546/3 1564/9 1564/9 1564/21 1564/22 1564/23 1564/24 1571/15 1582/9 1584/11 1584/12 1584/16 1587/15 1591/25	they're [8] 1466/4 1472/16 1474/21 1475/1 1512/5 1536/1 1540/4 1566/10	Thursday [1] 1600/5
themselves [1] 1571/16	they've [1] 1506/8	tight [1] 1517/9
then [58] 1468/1 1471/23 1473/16 1473/24 1475/3 1477/2 1477/9 1479/12 1480/16 1482/24 1489/6 1493/12 1493/18 1497/11 1499/6 1499/19 1501/4 1504/4 1504/7 1514/2 1514/4 1514/9 1522/10 1523/1 1526/25 1527/1 1530/6 1530/13 1534/9 1537/14 1539/25 1545/1 1545/18 1546/6 1547/14 1548/6 1548/9 1548/9 1548/18 1548/21 1548/24 1550/3 1550/14 1551/18 1553/18 1554/6 1562/16 1562/23 1565/14	thing [8] 1468/15 1472/17 1544/17 1547/19 1565/17 1579/14 1579/17 1592/21	time [55] 1461/4 1461/5 1464/22 1468/3 1469/23 1470/4 1471/8 1471/18 1471/23 1472/3 1475/24 1478/9 1480/19 1481/16 1486/11 1490/7 1491/21 1492/23 1498/9 1504/7 1507/12 1507/20 1510/9 1511/6 1515/7 1516/17 1516/24 1518/7 1519/18 1522/13 1523/15 1531/16 1535/2 1538/20 1539/19 1542/12 1549/1 1552/19 1553/10 1556/7 1557/12 1557/21 1557/24 1560/24 1567/25 1569/18 1571/17 1579/2 1579/11 1583/19 1585/2 1588/8 1590/12 1593/12 1599/17
	things [5] 1471/21 1492/15 1506/13 1532/9 1562/2	times [6] 1472/13 1538/6 1584/8 1585/20 1586/9 1586/19
	think [31] 1471/12 1471/25 1472/7 1474/19 1475/8 1475/20 1480/22 1493/18 1494/24 1501/3 1506/6 1506/6 1520/24 1523/9 1528/21 1545/7 1545/8 1546/15 1547/15 1549/18 1550/1 1553/10 1556/23 1559/15 1571/18 1572/3 1579/17 1583/16 1591/16 1598/17 1600/18	title [1] 1476/11
	thinking [3] 1532/11 1557/21 1559/14	titled [1] 1489/14
	third [3] 1484/6 1513/16 1530/10	today [3] 1470/3 1471/20 1577/21
	this [227]	together [6] 1473/7 1475/12 1519/11 1519/15 1553/5 1565/10
	Thomas [1] 1459/18	told [54] 1479/7 1479/8 1480/24 1481/3 1481/6 1486/9 1501/23 1505/23 1506/15 1507/13 1510/3 1510/8 1511/11 1515/10 1520/8 1527/9 1527/21 1528/17 1528/18 1532/4 1537/25 1539/25 1540/16 1541/21 1542/19 1543/6 1543/14 1543/19 1548/18 1548/21 1548/24 1549/3 1555/14 1561/16 1561/23 1562/1 1563/19 1564/19 1565/20 1570/16 1571/22 1576/17 1577/17 1579/14 1580/16 1582/4 1584/1 1585/10 1586/7 1586/9 1586/12 1586/14 1586/18 1593/18
	those [55] 1470/15 1471/9 1471/21 1473/25 1489/8 1492/8 1492/10 1493/13 1493/14 1493/16 1493/19 1503/4 1503/9 1503/18 1508/4 1512/25 1517/2 1517/6 1519/6 1520/9 1531/9 1534/6 1535/24 1539/1 1539/16 1540/24 1547/3 1556/17 1556/21 1556/24 1556/24 1557/1 1564/6 1564/24 1565/12 1565/24 1566/6 1566/9	Toledo [2] 1459/4 1460/9
		too [2] 1499/17 1595/2
		took [5] 1515/8 1570/1 1593/7 1594/23 1594/24
		top [13] 1465/11 1466/17 1467/21 1479/10 1479/11 1490/13 1492/15 1517/6 1517/7 1520/13 1520/16 1521/23 1596/21
		topic [5] 1469/5 1547/10 1547/16 1549/23 1592/24
		topics [1] 1470/22
		total [1] 1475/7
		touching [3] 1469/17 1523/24 1600/8
		tour [1] 1578/3
		towards [4] 1512/1 1512/18 1513/16

<p>T</p> <p>towards... [1] 1527/1</p> <p>training [17] 1477/8 1477/11 1478/10 1478/14 1498/22 1500/3 1500/6 1502/2 1502/19 1503/23 1504/10 1504/12 1504/14 1504/15 1504/16 1504/17 1578/17</p> <p>transcribed [4] 1470/16 1496/4 1501/14 1525/3</p> <p>transcriber [1] 1525/8</p> <p>transcript [45] 1459/9 1460/11 1470/23 1471/9 1472/16 1474/18 1475/3 1475/3 1477/20 1494/9 1496/3 1505/24 1525/11 1525/17 1525/22 1527/14 1527/17 1550/14 1553/3 1557/4 1557/5 1560/2 1560/13 1562/15 1563/14 1570/7 1573/20 1575/21 1576/5 1576/23 1577/7 1577/10 1577/16 1578/8 1581/3 1581/21 1584/24 1588/7 1588/10 1590/2 1592/15 1596/12 1597/11 1598/3 1601/3</p> <p>transcripts [5] 1474/4 1474/4 1475/7 1475/11 1475/19</p> <p>tremendous [1] 1473/15</p> <p>trial [5] 1459/6 1459/9 1461/1 1476/14 1503/16</p> <p>tried [2] 1489/5 1540/12</p> <p>true [8] 1515/19 1526/19 1551/3 1551/8 1573/7 1587/6 1587/9 1587/17</p> <p>truthful [1] 1528/2</p> <p>try [5] 1465/8 1471/10 1511/18 1559/16 1588/3</p> <p>trying [11] 1471/14 1473/9 1474/21 1475/1 1489/8 1530/19 1531/23 1546/5 1551/1 1551/3 1557/13</p> <p>tube [1] 1496/21</p> <p>tunnel [2] 1538/23 1571/15</p> <p>turn [9] 1499/11 1527/20 1531/11 1534/14 1539/10 1544/10 1544/12 1547/14 1568/20</p> <p>turning [1] 1497/11</p> <p>two [23] 1470/15 1471/22 1472/13 1475/7 1475/19 1477/2 1477/6 1505/1 1525/6 1530/7 1530/13 1530/14 1539/12 1549/3 1549/19 1550/22 1562/1 1562/16 1567/19 1567/20 1567/22 1573/17 1580/6</p> <p>two-and-a-half [1] 1530/7</p> <p>type [4] 1470/21 1470/23 1473/8 1477/3</p>	<p>1547/7 1547/9 1566/15 1566/21 1567/8 1567/15 1567/18 1569/17 1594/2 1594/3 1598/8 1598/14 1599/7 1599/9</p> <p>understood [9] 1492/12 1492/14 1510/24 1541/5 1547/24 1572/12 1595/24 1596/6 1596/7</p> <p>unfair [1] 1473/10</p> <p>unfortunately [1] 1546/4</p> <p>uninspectable [1] 1514/21</p> <p>unit [1] 1476/18</p> <p>UNITED [4] 1459/1 1459/3 1459/10 1476/10</p> <p>University [1] 1478/4</p> <p>unless [6] 1462/13 1475/13 1486/8 1506/7 1545/13 1600/18</p> <p>unsatisfactory [1] 1560/13</p> <p>unsuccessful [1] 1490/16</p> <p>until [16] 1493/19 1501/6 1509/17 1518/9 1523/19 1544/14 1551/23 1579/23 1582/9 1582/15 1582/22 1591/5 1591/6 1592/20 1592/25 1596/11</p> <p>unusual [1] 1472/2</p> <p>up [35] 1461/24 1462/4 1465/8 1467/20 1469/12 1469/18 1477/19 1482/14 1486/14 1492/6 1494/14 1499/8 1499/14 1505/5 1510/6 1514/10 1515/23 1523/25 1533/14 1537/16 1545/1 1545/7 1554/22 1558/11 1559/1 1565/16 1576/23 1582/9 1582/15 1582/21 1583/5 1596/23 1597/6 1598/4 1600/12</p> <p>upcoming [2] 1512/1 1515/24</p> <p>upon [8] 1464/6 1476/2 1491/17 1538/21 1541/3 1560/20 1585/8 1585/10</p> <p>upset [1] 1515/13</p> <p>upstairs [1] 1575/15</p> <p>urging [1] 1475/8</p> <p>us [24] 1465/17 1470/17 1472/17 1474/5 1481/2 1481/11 1486/11 1488/4 1488/12 1492/21 1501/23 1503/1 1504/20 1506/13 1506/14 1510/3 1511/11 1525/12 1538/21 1541/15 1577/15 1577/21 1579/9 1593/5</p> <p>use [7] 1472/22 1472/25 1474/6 1474/21 1482/18 1506/6 1551/15</p> <p>used [7] 1466/1 1467/19 1473/14 1523/6 1528/24 1534/13 1538/5</p> <p>uses [2] 1552/1 1552/16</p> <p>using [2] 1497/20 1497/23</p> <p>utility [1] 1478/7</p>	<p>1563/17 1563/18 1563/20 1565/5 1565/11 1565/22 1566/5 1566/10 1566/13 1572/7 1584/22 1585/1 1587/23 1587/25 1593/24</p> <p>videotapes [5] 1491/22 1516/22 1585/3 1587/1 1587/5</p> <p>view [6] 1520/11 1526/21 1556/8 1560/20 1563/18 1574/2</p> <p>viewable [1] 1496/19</p> <p>viewed [8] 1481/23 1491/19 1516/21 1516/24 1518/25 1519/2 1549/3 1585/1</p> <p>viewing [3] 1495/14 1512/14 1545/23</p> <p>violated [1] 1526/12</p> <p>violates [1] 1476/20</p> <p>violation [1] 1528/4</p> <p>violations [2] 1526/14 1526/23</p> <p>vision [2] 1538/23 1571/15</p> <p>visual [22] 1487/5 1490/15 1496/16 1497/20 1510/25 1511/1 1518/13 1562/5 1564/24 1565/7 1568/12 1569/14 1594/7 1594/17 1594/20 1595/4 1595/9 1595/19 1595/21 1595/25 1596/2 1596/3</p> <p>visually [1] 1490/10</p> <p>VOLUME [1] 1459/9</p> <p>vouch [1] 1562/10</p> <p>VT [3] 1594/19 1595/1 1596/3</p> <p>VT-2 [3] 1594/19 1595/1 1596/3</p>
<p>U</p> <p>U-L-I-E [1] 1476/8</p> <p>U.S [2] 1459/13 1459/17</p> <p>uh [1] 1573/6</p> <p>uh-huh [1] 1573/6</p> <p>Ulie [46] 1470/13 1475/25 1476/1 1476/8 1476/9 1476/13 1480/5 1483/7 1486/19 1496/11 1500/1 1505/16 1506/12 1520/1 1520/5 1524/8 1527/15 1528/16 1528/25 1529/7 1534/24 1536/8 1536/13 1539/5 1541/18 1544/10 1544/16 1544/25 1549/17 1549/20 1553/13 1558/11 1563/8 1565/20 1568/22 1570/4 1571/18 1573/18 1574/1 1575/19 1575/21 1575/25 1584/17 1586/12 1589/11 1589/20</p> <p>Ulie's [1] 1470/14</p> <p>ultimate [3] 1469/18 1523/25 1600/12</p> <p>ultimately [1] 1488/2</p> <p>unclear [1] 1474/13</p> <p>under [7] 1462/13 1462/13 1463/10 1470/1 1541/17 1574/3 1592/25</p> <p>understand [16] 1462/11 1468/22 1469/22 1471/13 1472/23 1496/7 1514/15 1528/2 1529/1 1543/12 1551/5 1570/9 1577/13 1586/8 1595/10 1595/22</p> <p>understanding [21] 1468/17 1470/13 1498/2 1510/4 1515/25 1516/6 1541/11</p>	<p>V</p> <p>verbiage [5] 1493/10 1512/4 1513/8 1555/10 1595/24</p> <p>verbiages [1] 1573/22</p> <p>verified [2] 1520/19 1520/21</p> <p>verify [4] 1535/6 1535/8 1536/16 1574/16</p> <p>version [5] 1482/5 1497/2 1497/5 1562/24 1582/22</p> <p>very [21] 1485/20 1493/8 1494/9 1503/8 1510/25 1511/4 1515/13 1520/3 1536/25 1540/21 1540/23 1546/18 1546/19 1558/8 1563/9 1574/21 1584/5 1590/19 1591/23 1599/24 1600/1</p> <p>vessel [19] 1465/24 1478/23 1488/17 1492/7 1504/24 1510/22 1516/25 1518/1 1521/24 1526/13 1527/24 1533/22 1540/17 1546/7 1546/7 1565/8 1583/4 1590/11 1596/22</p> <p>via [1] 1466/14</p> <p>vice [1] 1515/12</p> <p>vicinity [1] 1520/16</p> <p>video [5] 1490/11 1563/22 1565/12 1565/24 1593/19</p> <p>videos [23] 1491/17 1491/20 1515/3 1515/5 1519/1 1519/3 1519/7 1519/9</p>	<p>W</p> <p>wait [1] 1596/10</p> <p>wall [1] 1538/16</p> <p>want [16] 1465/8 1471/10 1472/4 1472/6 1474/12 1475/6 1475/19 1505/8 1505/13 1506/9 1510/14 1514/11 1520/19 1530/12 1547/19 1553/8</p> <p>wanted [6] 1472/25 1477/13 1507/2 1510/23 1541/15 1554/22</p> <p>warrants [2] 1590/20 1590/24</p> <p>was [483]</p> <p>Washington [5] 1459/19 1459/25 1460/5 1586/1 1587/17</p> <p>wasn't [13] 1462/6 1488/13 1488/24 1489/6 1492/18 1509/17 1517/13 1529/24 1532/2 1542/4 1561/22 1574/5 1587/17</p> <p>watch [3] 1469/17 1523/24 1600/8</p> <p>water [2] 1493/6 1541/15</p> <p>way [29] 1462/6 1463/7 1469/17 1474/9 1475/1 1487/17 1512/18 1518/3 1523/25 1525/6 1525/25 1526/15 1526/24 1527/1 1528/22 1528/23 1541/5 1550/20 1556/17 1563/9 1569/25 1570/2 1573/18 1584/17 1589/23 1594/21 1594/23 1594/24 1600/9</p> <p>we [172]</p> <p>we'd [2] 1506/12 1509/5</p> <p>we'll [15] 1469/13 1469/21 1471/17 1483/24 1484/16 1485/15 1494/4 1496/7 1506/1 1517/15 1521/11 1523/14 1523/17 1545/9 1559/16</p> <p>we're [22] 1468/15 1471/19 1475/24 1498/8 1499/13 1506/2 1509/11 1512/7 1519/19 1523/12 1528/21 1533/14 1535/10 1545/19 1545/21 1545/21 1552/19 1558/25 1560/8 1562/3 1563/17 1593/3</p> <p>we've [11] 1472/13 1472/14 1503/16 1552/20 1558/12 1558/16 1560/12 1560/18 1576/2 1591/17 1591/18</p> <p>week [2] 1511/15 1600/4</p> <p>weeks [2] 1480/23 1515/24</p> <p>weep [8] 1479/14 1483/21 1484/9 1485/6 1485/24 1490/18 1505/4 1505/7</p> <p>welcome [1] 1589/13</p> <p>weld [1] 1538/16</p> <p>well [44] 1462/12 1470/14 1475/9 1479/23 1481/12 1482/23 1495/3 1503/9 1505/22 1506/17 1507/1 1516/7 1518/17 1518/20</p>

W

well... [30] 1519/13 1526/5 1533/13
 1534/11 1540/8 1540/25 1544/3 1545/7
 1547/22 1550/18 1554/13 1555/20 1556/15
 1558/16 1559/11 1560/3 1562/1 1565/9
 1566/3 1567/7 1567/10 1570/19 1570/22
 1573/20 1579/21 1581/1 1582/13 1583/5
 1586/5 1596/24
 went [11] 1477/7 1483/10 1487/8 1488/2
 1489/2 1501/24 1516/14 1538/16 1558/22
 1564/17 1585/8
 were [130] 1461/6 1461/23 1461/24
 1462/2 1464/21 1465/19 1467/7 1467/20
 1467/21 1468/17 1468/24 1470/22 1473/6
 1473/20 1473/22 1474/7 1478/23 1480/24
 1488/4 1488/5 1488/9 1490/16 1491/13
 1491/15 1491/17 1493/11 1493/13 1493/17
 1498/15 1502/24 1504/11 1504/19 1504/24
 1505/1 1506/13 1506/13 1506/14 1508/5
 1512/3 1513/8 1513/20 1514/3 1514/14
 1514/16 1514/20 1515/1 1515/20 1515/21
 1515/23 1517/3 1517/12 1519/17 1520/13
 1520/15 1521/24 1522/1 1526/1 1527/8
 1528/8 1528/9 1532/25 1535/2 1535/4
 1535/15 1536/15 1538/14 1538/22 1538/24
 1539/19 1540/15 1541/20 1542/21 1542/22
 1545/24 1546/1 1546/10 1547/15 1548/25
 1550/3 1551/23 1552/13 1553/4 1554/13
 1554/20 1555/9 1555/9 1555/20 1556/14
 1556/15 1556/16 1556/18 1557/12 1557/25
 1558/4 1558/14 1558/25 1560/25 1561/12
 1562/2 1563/16 1563/24 1563/24 1564/6
 1564/9 1564/18 1566/7 1568/5 1569/3
 1573/7 1574/3 1576/10 1576/10 1576/21
 1576/22 1577/17 1579/2 1581/8 1582/17
 1583/5 1584/15 1586/21 1587/5 1587/16
 1587/25 1591/22 1591/25 1592/3 1593/19
 1595/3 1596/23
 weren't [4] 1473/16 1479/12 1543/23
 1565/15
 WESTERN [1] 1459/2
 wet [2] 1520/20 1520/22
 what [155]
 what's [7] 1462/17 1470/9 1476/11 1487/8
 1494/17 1527/15 1547/20
 whatever [1] 1595/16
 when [90] 1463/3 1466/13 1467/12
 1470/25 1476/20 1477/7 1477/9 1477/15
 1481/3 1481/11 1483/7 1484/11 1488/12
 1489/20 1489/23 1492/5 1492/10 1494/10
 1494/11 1496/10 1501/10 1502/10 1504/3
 1510/11 1512/16 1512/16 1512/17 1513/24
 1514/3 1514/12 1515/10 1516/11 1516/11
 1519/25 1521/7 1527/6 1529/18 1536/23
 1537/11 1538/15 1539/23 1545/1 1548/13
 1549/17 1549/18 1550/11 1553/4 1553/13
 1555/7 1556/15 1557/24 1558/4 1558/25
 1559/19 1559/20 1560/24 1561/2 1565/6
 1565/20 1566/12 1567/14 1569/22 1571/2
 1571/14 1576/13 1576/21 1577/17 1579/20
 1582/22 1583/2 1583/17 1584/1 1586/1
 1586/5 1586/21 1587/17 1589/7 1590/19
 1594/23 1594/24 1595/8 1595/19 1595/20
 1596/5 1597/19 1597/23 1598/12 1599/1
 1599/2 1600/14
 Whenever [1] 1518/23
 where [39] 1463/24 1466/10 1470/21
 1470/23 1471/8 1473/6 1476/9 1477/16
 1478/6 1485/21 1498/12 1501/6 1501/10
 1503/24 1517/10 1519/17 1521/4 1528/12
 1534/14 1535/19 1541/23 1543/22 1544/8
 1544/18 1551/1 1551/4 1552/1 1559/6
 1560/13 1565/15 1569/14 1573/10 1574/2

1577/6 1577/10 1577/22 1583/9 1588/11
 1593/18
 wherein [1] 1536/13
 whether [44] 1462/9 1462/12 1462/16
 1467/16 1468/4 1491/6 1491/19 1492/20
 1498/23 1514/25 1515/1 1516/21 1518/25
 1519/4 1521/23 1522/22 1526/10 1528/25
 1530/6 1535/8 1536/17 1539/5 1539/17
 1539/23 1545/19 1562/4 1563/12 1563/15
 1563/16 1563/17 1568/5 1577/25 1579/1
 1579/8 1579/15 1584/21 1585/1 1585/22
 1593/18 1594/7 1595/8 1595/19 1595/20
 1598/21
 which [42] 1469/18 1469/20 1471/21
 1474/13 1477/19 1479/16 1481/18 1481/22
 1483/6 1483/16 1486/14 1488/4 1493/6
 1494/24 1497/17 1499/9 1501/14 1506/8
 1507/10 1509/1 1513/11 1513/19 1522/9
 1524/15 1525/3 1525/20 1526/9 1527/21
 1535/15 1539/13 1549/7 1550/21 1550/25
 1559/5 1559/8 1559/20 1583/2 1584/9
 1587/5 1590/23 1594/6 1600/13
 while [3] 1506/2 1518/6 1591/2
 Whitaker [1] 1510/21
 who [22] 1465/18 1486/9 1487/18 1493/17
 1511/9 1519/15 1521/3 1521/5 1522/16
 1561/15 1563/24 1564/10 1564/14 1566/17
 1573/12 1573/14 1573/23 1574/6 1575/3
 1580/24 1583/13 1598/9
 whole [6] 1473/9 1512/17 1538/12
 1547/19 1556/20 1592/21
 why [23] 1472/24 1475/18 1484/11 1496/2
 1496/4 1506/17 1508/6 1508/11 1514/10
 1514/18 1514/20 1532/22 1536/6 1552/13
 1561/12 1562/2 1562/7 1562/23 1583/7
 1596/2 1597/1 1597/4 1597/24
 wife [1] 1562/10
 Wilcox [1] 1504/5
 will [34] 1463/21 1464/4 1466/10 1467/2
 1469/18 1471/15 1471/23 1479/17 1483/8
 1489/12 1490/8 1495/1 1495/9 1496/16
 1500/11 1502/17 1522/4 1523/14 1523/20
 1524/1 1534/14 1544/25 1557/8 1560/4
 1562/5 1568/22 1569/18 1570/7 1577/14
 1590/3 1594/24 1600/5 1600/11 1600/13
 willfully [1] 1526/12
 William [1] 1480/12
 win [1] 1541/18
 winding [1] 1529/9
 Wise [18] 1459/23 1468/9 1470/10 1473/8
 1473/14 1524/4 1524/7 1534/23 1536/2
 1537/10 1544/9 1549/16 1552/5 1553/12
 1563/7 1564/13 1572/15 1576/21
 wish [5] 1469/11 1575/14 1595/17
 1599/17 1600/19
 withdraw [1] 1494/4
 withdrew [2] 1580/7 1580/10
 within [4] 1476/18 1515/14 1567/23
 1593/9
 without [1] 1500/11
 witness [18] 1464/4 1464/16 1469/12
 1470/12 1472/23 1472/24 1473/1 1473/13
 1473/18 1475/15 1475/24 1482/18 1495/24
 1506/21 1507/11 1590/18 1590/25 1597/14
 witnesses [3] 1591/15 1591/18 1591/19
 Won't [1] 1594/17
 wonderful [1] 1538/12
 wondering [1] 1482/13
 word [7] 1523/6 1534/13 1536/19 1538/5
 1542/4 1542/6 1542/7
 worded [1] 1569/25
 words [12] 1496/14 1525/23 1530/21
 1540/4 1556/21 1556/24 1556/25 1557/1
 1569/22 1579/25 1598/12 1598/20

work [27] 1476/9 1489/14 1489/20
 1489/23 1490/23 1509/17 1510/4 1510/5
 1510/7 1515/14 1515/17 1516/10 1524/13
 1524/18 1526/5 1527/1 1527/3 1547/8
 1547/24 1549/24 1559/16 1574/12 1574/17
 1597/7 1597/7 1598/4 1598/5
 worked [8] 1476/16 1478/6 1478/8 1503/2
 1503/3 1503/13 1508/5 1566/22
 worker [1] 1525/7
 workers [1] 1520/24
 working [3] 1465/19 1546/6 1546/7
 worse [6] 1542/25 1543/10 1543/15
 1544/21 1544/23 1545/12
 would [119] 1461/9 1461/25 1462/4
 1462/23 1463/6 1463/10 1465/6 1465/24
 1467/20 1467/22 1467/23 1468/18 1469/5
 1471/19 1471/20 1471/24 1472/1 1472/2
 1472/5 1472/18 1473/15 1473/22 1473/24
 1474/8 1474/16 1475/17 1475/18 1475/24
 1476/6 1481/4 1481/11 1483/6 1487/1
 1488/11 1489/13 1493/10 1494/8 1496/14
 1500/1 1502/15 1502/18 1506/21 1511/22
 1512/24 1517/11 1518/13 1524/16 1525/12
 1526/1 1526/20 1529/8 1529/15 1529/22
 1531/1 1531/11 1532/7 1535/2 1535/20
 1535/24 1537/20 1537/21 1537/22 1537/25
 1540/5 1542/7 1543/4 1544/2 1545/5
 1545/16 1549/22 1555/1 1555/15 1555/15
 1555/22 1556/11 1558/19 1560/14 1561/6
 1562/1 1562/8 1562/10 1562/13 1563/2
 1563/3 1566/11 1566/24 1567/19 1567/24
 1568/11 1568/23 1569/1 1571/2 1573/10
 1573/14 1573/15 1574/20 1575/5 1575/7
 1575/12 1577/15 1577/19 1580/23 1581/18
 1581/20 1583/18 1583/18 1584/4 1588/6
 1590/7 1590/13 1590/21 1590/24 1591/10
 1592/16 1594/7 1595/9 1595/21 1595/23
 1598/22
 wouldn't [6] 1463/9 1498/17 1514/10
 1517/13 1588/4 1588/6
 write [1] 1561/8
 writing [4] 1498/18 1498/19 1578/9
 1578/10
 written [4] 1497/14 1497/20 1544/7
 1562/11
 wrong [7] 1479/17 1499/15 1559/7
 1567/17 1586/11 1586/13 1588/11
 wrongdoing [1] 1476/19
 wrote [4] 1505/5 1519/16 1520/9 1526/17

Y

yeah [6] 1461/14 1466/6 1515/4 1550/24
 1594/21 1594/22
 year [3] 1464/21 1551/24 1573/13
 years [9] 1476/16 1476/17 1476/22 1491/4
 1500/20 1500/21 1564/1 1566/23 1589/1
 yes [180]
 yesterday [1] 1510/21
 yet [5] 1494/17 1499/12 1499/15 1509/18
 1532/23
 York [1] 1459/19
 you [708]
 you'd [3] 1463/23 1523/17 1582/23
 you'll [8] 1469/22 1527/20 1534/24
 1534/25 1544/10 1544/16 1547/15 1560/3
 you're [16] 1469/25 1485/10 1496/10
 1499/24 1501/3 1505/25 1506/8 1506/10
 1514/1 1528/2 1545/1 1569/4 1589/6
 1589/13 1596/11 1598/20
 you've [7] 1461/4 1473/10 1475/10
 1476/13 1552/2 1588/25 1600/2
 your [150]
 yours [1] 1469/19
 yourself [3] 1476/15 1518/22 1589/23

Y		
yourselves [3] 1469/15 1523/22 1600/9		

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)

U.S. ARMY INSTALLATION COMMAND)

Docket No. 40-9083

(Depleted Uranium at Pohakuloa Training
Area and Schofield Barracks, Hawaii))

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing ORDER OF THE SECRETARY GRANTING THE PETITIONER'S AN EXTENSION TO FILE UNTIL OCTOBER 27, 2009, have been served upon the following persons by E-mail.

Office of Commission Appellate Adjudication
U.S. Nuclear Regulatory Commission
Mail Stop O-7H4M
Washington, DC 20555-0001
E-mail: ocaamail@nrc.gov

U.S. Army Installation Command
2511 Jefferson Davis Highway
Arlington, VA 22202
David Howlett
E-mail: david.howlett@us.army.mil

U.S. Nuclear Regulatory Commission
Office of the Secretary of the Commission
Rulemakings & Adjudications Staff
Mail Stop O-16C1
Washington, DC 20555-0001
E-mail: hearingdocket@nrc.gov

Sierra Club, Moku Loa Group
P.O. Box 1137
Hilo, Hawaii 96721
Cory Harden
E-mail: mh@interpac.net

U.S. Nuclear Regulatory Commission
Office of the General Counsel
Mail Stop O-15 D21
Washington, DC 20555-0001
Catherine Scott, Esq.
Kimberly Sexton, Esq.
Brett Klukan, Esq.
E-mail:
catherine.marco@nrc.gov
kas2@nrc.gov
brett.klukan@nrc.gov

Malu 'Aina Center for Non-violent Education &
Action
P.O. Box AB
Kurtistown, Hawaii 96760
Jim Albertini, President
E-mail: JA@interpac.net

OGC Mail Center: OGCMailCenter@nrc.gov

Office of the Secretary of the Commission

Dated at Rockville, Maryland
this 8th day of October 2009.