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PUBLIC MEETING
BETWEEN U.S. NUCLEAR REGULATORY COMMISSION O350 PANEL
AND FIRST ENERGY NUCLEAR OPERATING COMPANY
OAK HARBOR, OHIO

Meeting held on Tuesday, December 10, 2002, at
2:00 p.m. at the Camp Perry Clubhouse, Oak Harbor, Ohio,
taken by me Marie B. Fresch, Registered Merit Reporter, and
Notary Public in and for the State of Ohio.

PANEL MEMBERS PRESENT:

U. S. NUCLEAR REGULATORY COMMISSION

- John "Jack" Grobe, Chairman, MC 0350 Panel
- William Dean, Vice Chairman, MC 0350 Panel
- Christine Lipa, Projects Branch Chief
- Douglas Simpkins, NRC Resident Inspector
- Christopher Scott Thomas,
Senior Resident Inspector
U.S. NRC Office - Davis-Besse
- Jon Hopkins, Project Manager Davis-Besse
- Keith McConnell, Acting Director
Project Directorate Three

FIRST ENERGY NUCLEAR OPERATING COMPANY

- Lew Myers, FENOC Chief Operating Officer
- Robert W. Schrauder,
Director - Support Services
- J. Randel Fast, Plant Manager
- James J. Powers, III
Director - Nuclear Engineering
- Michael J. Stevens,
Director - Nuclear Maintenance
- L. William Pearce,
Vice President FENOC Oversight
- Clark Price, Owner - Restart Action Plan
- Neil Morrison,
Program Compliance Plan Owner

1 MS. LIPA: Good afternoon.
2 We're just about ready to get started. If everybody was
3 able to get the handouts, I know the FirstEnergy handouts
4 just arrived a few moments ago, so if you weren't able to
5 get one, you might go ahead and grab one before we get
6 started up here.

7 Also, there is plenty of seats up front, if anyone
8 wants to move a little closer to the front. We won't ask
9 too many questions.

10 Okay, welcome to FirstEnergy and to members of the
11 public. I'm Christine Lipa, and I'm a member of the NRC's
12 Oversight Panel and I'm also the Branch Chief in NRC's
13 Region III Office. And, my branch has overall
14 responsibility for the NRC's Inspection Program at
15 Davis-Besse.

16 We'll go through the rest of the introductions in a
17 few moments, but I wanted to go to the next slide and cover
18 the purposes of today's meeting.

19 One of the purposes is to inform the public of our
20 progress and the Oversight Panel's activities, and then the
21 second part is to give the Licensee an opportunity to
22 discuss with us their efforts on implementing their Return
23 to Service Plan.

24 This meeting is open to the public. And the public
25 will have an opportunity before the end of the meeting to

1 ask questions of the NRC. This is considered a Category
2 One Meeting in accordance with the NRC's policy on
3 conducting public meetings. Before the meeting is
4 adjourned, there will be opportunities for members of the
5 public to ask questions or to make comments.

6 We're also having this meeting transcribed to
7 maintain a record of the meeting. The transcription will
8 be available on our web page several weeks after today's
9 meeting. It usually takes about four weeks to get that
10 posted.

11 The agendas and handouts are available in the foyer
12 and they're also available on the NRC's Website. You'll
13 see we have a December edition of our public monthly
14 newsletter.

15 Also, there is a summary of the Lessons Learned Task
16 Force Report, the handout of our part of the presentation,
17 and the FirstEnergy's handouts.

18 We also have some feedback forms that you can use to
19 fill out and provide feedback to us on how this meeting
20 goes. We're always trying to improve these meetings.

21 This is the first time we've held the meeting here
22 at Camp Perry, so we'll see how it works, how easy it is
23 for everybody to see and hear what we're discussing. Feel
24 free to give us feedback.

25 I would like to start off with introductions on our

1 side of the table here. On the far left is Keith
2 McConnell, and he's the Acting Project Director of PD3 and
3 NRR.

4 Next to Keith is Jon Hopkins and he's the NRR
5 Project Manager in Headquarters for the Davis-Besse
6 facility.

7 Next to John is Bill Dean. He's the Deputy Director
8 of the Division of Engineering in NRR. And, they're all
9 located in Rockville, Maryland. Bill is also the Vice
10 Chairman of the Oversight Panel.

11 On my left is Jack Grobe, and he's the Senior
12 Manager in the Region III office in Lisle, Illinois; and
13 he's also the Chairman of the Oversight Panel.

14 On my right is Scott Thomas. He's the Senior
15 Resident Inspector at the Davis-Besse facility.

16 Next to him is Doug Simpkins, and he's the Resident
17 Inspector at the Davis-Besse facility.

18 We also have several other NRC personnel in the
19 audience today. Viktoria Mitlyng is way in the back.
20 She's the Public Affairs Officer at our Region III Office.
21 Also, next to her is Rolland Lickus.

22 Greeting you in the foyer was Nancy Keller, and
23 she's the Office Assistant for the Resident Inspector
24 Office at the Davis-Besse facility.

25 We also have Jay Collins, he is a General Engineer

1 on rotation from headquarters. And we have Ivy Metzel,
2 she's an Engineer in the NRC Region III Office.

3 Our transcriber today is Marie Fresch from Norwalk,
4 Ohio.

5 Are there any representatives or public officials in
6 the room that would like to stand up and introduce
7 yourselves.

8 MR. KOEBEL: Carl Koebel,
9 Ottawa County Commissioner.

10 MS. LIPA: Welcome, Carl.

11 MR. PAPCIN John Papcin,
12 Ottawa County Commissioner.

13 MS. LIPA: Okay, welcome.

14 MR. ARNDT: Steve Arndt,
15 County Commissioner.

16 MS LIPA: Okay, thanks,
17 Steve.

18 MR. WITT: Jere Witt, County
19 Administrator.

20 MS. LIPA: Hi, Jere.

21 Okay, thank you.

22 Lew, would you like to introduce your staff?

23 MR. MYERS: Yes, thank you.

24 We're pleased to be here today. We have several
25 members in the audience. Bob Saunders is with us, the

1 President of FENOC.

2 Gary Leidich is also here, is Acting Vice

3 President.

4 And we have Kitty, Kathryn Dindo here with us.

5 She's one of our corporate officers of DB and FirstEnergy.

6 Kathy is out there.

7 At our table today, we have Mike Stevens. He's the

8 manager of, the Director of our Maintenance Group.

9 Bill Pearce, V P of Oversight.

10 Clark Price is sitting next to me. Clark is going

11 to brief you on the 350 process some.

12 Neil Morrison. Neil Morrison is on loan with us

13 from our Beaver Valley Plant and he's taking care of our

14 Program Reviews.

15 Jim Powers, the Director of our, Director of

16 Engineering is with us.

17 And finally, Randy Fast is down at the end of the

18 table and Randy will be talking on some of our Containment

19 Health.

20 MS. LIPA: Okay, thank you.

21 MR. MYERS: Also, Bob

22 Schrauder is with us. I'm sorry. I sort of missed that

23 one.

24 MR. PEARCE: Welcome, Bob.

25 MS. LIPA: Okay, next we'll

1 go to the agenda for today's meeting. As you can see, we
2 will be discussing -- we have these meetings every month,
3 and we'll provide a short summary of last month's meeting;
4 and we'll also discuss the NRC's Restart Checklist and the
5 status of some ongoing NRC inspections.

6 Then we'll turn it over to FirstEnergy for their
7 presentation on the status of their Return to Service
8 Plan.

9 Then we'll adjourn the NRC meeting, the business
10 portion of the meeting, and we'll probably do some
11 restructuring of our chairs and then we'll have, take a
12 break and have the public comment and question session.
13 Then we'll be adjourning the meeting for this afternoon.

14 So, that's the plan. And the next slide is for John
15 to provide a summary of last month's public meeting.

16 MR. HOPKINS: Thank you,
17 Christine.

18 First item, last month's meeting we discussed
19 quality assessment and value added by the QA. Licensee
20 discussed steps taken along the lines of organizational
21 changes, stop work orders that were issued, and QA's
22 involvement and the case study that they performed.

23 With regards to Reactor Vessel Bottom Head Plan; for
24 background, rust and Boron were found down the, at the
25 bottom of the reactor vessel head. The Licensee has

1 cleaned that off now, but the Licensee has a plan to
2 investigate and make sure that that rust and Boron on the
3 bottom of the head did not come from leaking nozzles
4 underneath, and rather just came down from possibly washing
5 down the top.

6 The Licensee's plan is to go to normal operating
7 pressure and temperature, using reactor coolant pump heat,
8 no critical reaction, hold there for seven days, and then
9 cool back down, remove the insulation that's underneath the
10 head, and go in there for inspection to see if there was
11 any leakage from the nozzles underneath.

12 There was a meeting about this on November 26th in
13 Headquarters. And, a meeting summary of that meeting
14 should be issued in a few weeks, if not sooner. The slides
15 from that meeting are actually up on the Davis-Besse
16 Website, the NRC -- the NRC has a Website for Davis-Besse.
17 If you go there, there is a lot of information, including
18 the slides from that meeting.

19 The next item discussed last month was System Health
20 Assurance. The Licensee discussed that they're looking at
21 calculations and analyses and system descriptions. They
22 found that common attributes of interest in their reviews
23 are environmental qualification, high energy line break,
24 fire protection and seismic qualification.

25 The next item last month was Design Issues

1 Resolution. The Licensee discussed their process for
2 resolving design basis discrepancies and also the Licensee
3 stated that their system engineers are now leading the
4 Readiness Restart Teams for their respective systems.

5 With regards to Management and Human Performance
6 actions, the Licensee discussed several actions that
7 they've taken under that. Their Case Study Training has
8 been completed; there is Revised Leadership Training for
9 new supervisory personnel; Townhall Meetings, the Licensee
10 has held with their employees; and they also have a
11 Management Observation Program, and that was discussed.

12 Finally last month, Operations Leadership Plan was
13 discussed. The purpose of that plan is to strengthen
14 operations and prepare it for restart. The Licensee
15 discussed their vision for operations with regards to
16 that.

17 One last thing that wasn't discussed at last month's
18 meeting, but also on November 26th, in Washington, besides
19 the meeting that we had on the bottom head, there was also
20 a meeting on what's called the Containment Emergency Sump,
21 and the Licensee is doing a modification for a strainer for
22 that sump. And, basically, they're increasing the strainer
23 size quite substantially. And, again, the slides for that
24 meeting are also up on the NRC Davis-Besse Website and a
25 meeting summary for that meeting will come out in a few

1 weeks.

2 MS. LIPA: Okay, thank you

3 Jon.

4 The next slide and the next series of slides; we've
5 shown the Restart Checklist at other meetings in a table
6 format. This time we've broken it up into several pages,
7 but it's really the same items. The Restart Checklist is a
8 listing of items that the panel has determined necessary to
9 review before restart can be determined. And so, I'll just
10 walk through some of these briefly.

11 The first one is the Adequacy of Root Cause
12 Determination. There are two parts to that. The first
13 part is the technical root cause on the cracking and
14 corrosion, and the second part is the Licensee determined
15 that there were organizational programmatic and human
16 performance issues that was a contributing root cause
17 also.

18 The next item is the Adequacy of Safety Significant
19 Structures, Systems and Components. And there are several
20 items under there, and we have specific inspections looking
21 at each of these items.

22 The next slide shows the Adequacy of Safety
23 Significant Programs. And the Utility is doing reviews of
24 each of these programs to determine if there is changes
25 that need to be made to those programs to make them more

1 effective, and we have plans to do inspections on each of
2 these programs.

3 The next item is the Adequacy of Organizational
4 Effectiveness and Human Performance. And this is the
5 second root cause that I mentioned earlier. And we have a
6 team that's looking at the adequacy of the root cause, what
7 the Utility has determined for corrective actions and the
8 adequacy of those, and then the effectiveness of those
9 corrective actions as they're implemented.

10 The next slide is Readiness For Restart. This will
11 be later on after these other inspections that I've
12 mentioned have been completed, where the NRC staff will
13 perform specific inspections to look at the system, various
14 systems; Readiness for Restart, Operations Readiness for
15 Restart, including Operator Training; and the Test Program
16 Development that the Utility is coming up with to do
17 testing as they begin to start up the plant.

18 The next item is Licensing Issue and Confirmatory
19 Action Letter Resolution. There are several relief
20 requests that are still under review by NRR. And also the
21 Confirmatory Action Letter, one of the items there is that
22 the Utility will meet with the NRC to obtain restart
23 approval before that approval is granted.

24 I wanted to just mention a few upcoming and
25 continuing NRC inspections. We have the Organizational

1 Effectiveness and Human Performance. That one will be
2 continuing.

3 The second one is the Safety Significant Program
4 Effectiveness. The NRC inspectors have reviewed several
5 programs, but there are several more that we're waiting on
6 Utility to complete portions of that before we can do
7 inspections of the programs.

8 And the third item that's not up there is the System
9 Health Assurance. This inspection was begun and there are
10 more parts of it that need to be inspected, so that will be
11 continuing.

12 And then there is also Resident Inspectors, there is
13 two of them that are at the facility, that's where they
14 report to every day, and they do day-to-day observations of
15 operations and ongoing Corrective Action Program items.

16 Also, we have recently issued a couple of NRC
17 inspection reports, and those should be available on the
18 web page.

19 I think that's it for our slides, so I'll go ahead
20 and turn it over to you, Lew, for your part of the
21 presentation.

22 MR. MYERS: Okay, thank you.

23 We're here today to brief you on our Return to
24 Service Plan. We have several Desired Outcomes we would
25 like to accomplish today. The first one is, we would like

1 to demonstrate that we're preparing for core reload
2 somewhere in the early part of the year, probably in
3 January. And then operational testing of the Containment
4 and the Reactor Coolant System shortly thereafter. Mike
5 Stevens is going to provide you an update of our basic
6 milestones.

7 We're going to provide you an update of the November
8 26th meeting that we discussed earlier, and by the NRC, and
9 where we discussed the Reactor Vessel Bottom Head Issue and
10 also the Containment Emergency Sump Strainer Modification
11 that we're making. I think that's extremely unique. Jim
12 Powers will discuss that.

13 And finally, provide you with updates on some of our
14 Building Blocks, for example, the Management and Human
15 Performance area, I will discuss that. Randy Fast will
16 discuss the Containment and Neil Morrison will discuss the
17 Programmatic Issues, if you will.

18 Then, finally, I want to provide you some updates on
19 the status of our work activities, mainly in the 350 area.
20 That's the NRC process they're monitoring us to. I will
21 tell you this; other work activities besides that, way over
22 and above that, that we're doing, that we're not going to
23 discuss.

24 And finally, we would like to describe some of the
25 recent FENOC and vendor realignments that we've made to

1 ensure that we're in alignment with our other plants and
2 can sustain operations and some of the QA oversight that we
3 have; and both myself and Bill Pearce will provide that for
4 you.

5 First area is the Management/Human Performance
6 area. We continue to work hard in this area and we think
7 make good progress. We have a detailed action plan. For
8 example, this month, since our last meeting, we've
9 completed our Safety Conscious Work Environment Training.
10 That's about two hours of training for each and every
11 manager supervisor. Total population of about 257 people
12 at Davis-Besse. It was a pretty aggressive schedule, and
13 we completed that since the last meeting.

14 Finally, we also did some management team alignment
15 training, or meeting, if you will. We had 126 people in
16 that meeting for about four hours. As you can see, this is
17 a picture of the meeting. Mike Stevens is up on the stage,
18 stating our organization with our, with our milestone
19 schedule and how we intend to accomplish that at this
20 particular part of the presentation.

21 Several other significant improvement initiatives.
22 The Root Cause Report for Operations. We completed that
23 and submitted it to the regulatory agency, and I'll discuss
24 that somewhat later on. We completed that on 11-12.

25 Corrective Action Program Report, we completed on

1 12-5.

2 And implementation of the Management Observation
3 Program. We started that program, we talked about it at
4 the last public meeting in October, and then we have data
5 through December. I'll discuss some of that data. So,
6 we'll begin, it's a computerized program; we begin to build
7 up a lot of information from what we're seeing in the field
8 with our employees.

9 Additionally, we continue forward with the 4-C's
10 Meetings. That's a group of meetings that I have each week
11 with employees for two to four hours, pretty open and
12 candid discussion of compliments and complaints and
13 concerns; and really has been proven, we've completed those
14 meetings and that with 318 employees at the site.

15 And finally, we brought in a team of Management
16 Assessment Firms that we talked about, who we assessed each
17 and every key supervisor. We committed that at one of the
18 public meetings. I want to tell you, we're way above
19 that. We not only done the supervisors, done the managers,
20 done the senior management team; and even Bob Saunders
21 himself was out, interviewed with his management firm.

22 And we think what that's going to do for us is help
23 make sure we have the right people in the right job and we
24 have smooth programs going forward to ensure that we have
25 the right standards for those people. And, it was very

1 fruitful.

2 MR. GROBE: Lew, I want to
3 ask a question, two quick questions. There's been a number
4 of times where we received inquiries from members of the
5 public on these various root causes. If I remember
6 correctly last August, you submitted a broad root cause for
7 what contributed to the head degradation; how you got
8 yourself into that situation. And you've been
9 supplementing that over the last several months --

10 MR. MYERS: Right.

11 MR. GROBE: -- with more
12 specific and focus root cause assessments in the Operations
13 Area, Corrective Action Area you mentioned today, and there
14 has been a number of other ones. Would it be possible to
15 have you submit those to us on the docket, as they're
16 approved, so that the root cause that you submitted in
17 August can be supplemented and updated with more detailed
18 reviews that you're doing?

19 MR. MYERS: Yeah, we can do
20 that. No problem.

21 MR. GROBE: Okay, thank you.
22 One other question. The Management Team Alignment
23 Meetings, could you go into a little bit more detail on
24 what the focus of those meetings were?

25 MR. MYERS: You know, one of

1 the things that we did is, we're changing our Leadership in
2 Action Program. Our Leadership in Action Program is the
3 Management Supervisory Development Program that we use at
4 FirstEnergy, at FENOC, if you will. We wanted to brief our
5 staff on some of the changes that we're making there.

6 So, Randy Fast did some time in that area. We're
7 going to go back and do some more training. I think it's a
8 full couple days of training or a day or so, with each,
9 with the supervisors prior to startup. This was sort of a
10 kickoff to that.

11 Additionally, each and every director came in, and
12 myself, and we went through our various plans; whether it
13 be the schedule of some major activities, reactor coolant
14 pump work we have going on, reactor cavity seal work that
15 we're real pleased with, and some of the restraints that
16 we're finding, if you will. So, we went through those type
17 of issues also.

18 Also, went through the, some of the various Building
19 Blocks on, how we got here and what we need to do for
20 improvement; for example, in the corrective action areas,
21 we spent some time there. So, it was just, it was
22 basically like a four-hour meeting to make sure that our
23 managers and supervisors and so many activities going on,
24 that we're all vertically aligned and with the same message
25 going out. We asked for their feedback also. Thought it

1 was an excellent meeting.

2 MR. GROBE: Okay, very good.

3 Thank you.

4 MR. MYERS: There is several
5 other activities that we now have in progress. One of the
6 things we told you, the regulators, we would do is an
7 overview of our engineering area and then an assessment at
8 the end to ensure that we could support, sustained
9 operations from an engineering perspective.

10 That organizational review is going on now. We have
11 four of the top, we think top utility vice-presidents in
12 engineering at our site now and they're helping us with
13 that assessment.

14 Additionally, we have, we have the Operations
15 Section Review, and the Functional Area Reviews, which and
16 various groups which will be closing out prior to restart.
17 We'll close that out as part of Restart Readiness Review.
18 And, we're using the industry performance criteria in
19 safety focus areas and management areas to help do those
20 assessments.

21 And, finally, we've done the pilot now for
22 Operability Determination Training that we'll be putting on
23 this next month. We think that's going to help us. That's
24 going to be an Engineering Operations area.

25 I would like to talk for a moment about the

1 Management Observation Program. You asked us to discuss
2 that some once we had more data in there.

3 Right now we're in the deep drain window of our
4 plan. That's sort of a unique place that you can only go
5 to when the fuel is unloaded. That's allowing us to work
6 on a lot of valves and equipment that typically you only
7 get to work on a few times in the life of the plant.

8 What we did to ensure that we had good management
9 oversight involvement in the containment, we assigned each
10 and every job in that area to one of our managers to
11 provide some oversight. So, that's well underway and doing
12 well.

13 We've had good management response. Hundred percent
14 of the observations have been completed. We find that we
15 have a lot of, lot better interfacing, interacting with our
16 people, especially across organizational boundaries, we're
17 seeing improvements there. And we're really focusing on
18 standards and intrusive management involvement.

19 I think that's sort of a change at our plant. If we
20 would have done that maybe a little better, we may have
21 seen some of these head issues a little quicker. So, we
22 think the management observation is a key part of our
23 ongoing program.

24 The next slide. If you look what we've done, 616
25 observations in November. 4,195 safety attributes were

1 evaluated. 91 percent were completed satisfactory. What
2 that means is some things required some coaching.
3 Additionally, there is 3,910 standards verifications, 91
4 percent of those were completed satisfactory.

5 And finally, what are we seeing in, well, we're
6 seeing problems, if you go to the next slide, some
7 housekeeping. People leaving tools around, and not leaving
8 the area in as good a shape as they should. The quality of
9 the observation documentation, gives some specific examples
10 of that.

11 Inconsistent use of the condition reporting system.
12 For example, you would think if you, our standards are not
13 real clear, we're going to fix this. We would think if you
14 marked something unsatisfactory, that it would require a
15 condition report. So, we have to go back and clarify that;
16 so it's telling us that.

17 Then, finally, preparation of activities. We're
18 seeing a lot of cases where we're not as effective and
19 efficient as we should be making sure we have proper safety
20 gear and proper tools when we get to a job, so that's
21 causing delays and some confusion and keeping some of our
22 work from going as effectively and efficiently as it
23 should.

24 The next area that I was going to discuss somewhat
25 is the Operations area.

1 MR. GROBE: Lew, before you
2 get into operations, could you give an example or several
3 examples of what you consider safety attributes that you're
4 evaluating and what are standards that you're evaluating?

5 MR. MYERS: Let's see if I've
6 got that here. It wasn't a question that I thought you
7 would ask.

8 MR. GROBE: Predictable is
9 not the goal I'm after.

10 MR. MYERS: You know, if I go
11 look at the safety type attributes, what we look for there
12 is a good prejob briefing practice. I mean, one of the
13 things we try to do, ensure when you go on a job, you have
14 the right tools, you know what to expect, you know what the
15 backout criteria is when you stop a job, things like that.
16 And, we're, we're probably seeing some procedure usage,
17 some things in that area.

18 MR. STEVENS: If I could add to
19 that.

20 MR. MYERS: Yeah, give us a
21 little help.

22 MR. STEVENS: Some of it is not
23 what we would expect and we're reinforcing that. And the
24 standards, some of the observations I've had and some of
25 the other folks that I know about, we don't have the proper

1 barricade. We don't have it, we may have the area roped
2 off, we don't have it roped off exactly in accordance like
3 with, there may be a piece of the sign is not labeled
4 correctly, it's not identifying the barrier or we're not
5 removing it when we're done.

6 I was in the ~~terminal~~ turbine building this weekend. There
7 was a sign that said overhead work. That work was done.
8 There is no overhead work. That sign needs to be removed
9 and it wasn't broken down at the end of the job.

10 Those kind of observations are being followed up
11 with supervision. This new observation program is really
12 neat. I like it, because you can click on the individuals
13 that maybe you didn't contact, talk to their first line
14 supervisor. But then the superintendent or manager, you
15 can click off and send that observation to them and then
16 follow-up. Also, it goes into a data base; it's easy to
17 find, easy to use and easy to look for common issues. It's
18 really a good data base.

19 MS. LIPA: You mentioned
20 three part communications; is that an expectation in the
21 maintenance department?

22 MR. STEVENS: Absolutely. And
23 we defined that clearly so there is no misunderstanding on
24 how we expect to do that and how it relates to the safe
25 operation of the plant.

1 MR. GROBE: Possibly that's
2 vernacular that members of the public wouldn't be aware of.
3 Could you explain what three-part communication mean?

4 MR. STEVENS: Yeah, three-part
5 communication is where the message is communicated, the
6 receiver repeats that message back and then the sender
7 confirms that message. So, if I said, you know, we're
8 going to work on core flood one problem. Understand, work
9 is ready to proceed on core flood one problem. That's
10 correct. That would be an exchange of three-part
11 communication, and as well as the phonetic alphabet. It
12 ensures that we understand each other when we're
13 communicating and don't get on a wrong component or don't
14 take an unintended action.

15 MR. MYERS: One of the
16 things I want to talk about, example of one of the issues
17 we found that was fruitful, was during our deep drain
18 window, Scott Wise, one of our operations shift managers,
19 was monitoring the work activity and repacking the valves,
20 stuff he found. One of the things that he went and did is
21 they changed the tooling out; and he went and got a
22 different type of ~~baroscope~~ boroscope that they could use to do
23 inspections with that's helping the mechanics get their job
24 done a lot better.

25 We wrote that up in one of our observations, and

1 it's really a good catch, and helped us improve the
2 efficiency of the job or do stuff, everything else. So,
3 that's the kinds of things we're looking for. So, that
4 worked out well.

5 MS. LIPA: I had one more
6 question for you, Lew. You mentioned Operability
7 Determination Training; what's the timeline for that
8 training?

9 MR. MYERS: I think we're
10 going to have that done at the end of this month.
11 This month?

12 MR. POWERS: This month,
13 Christine, and going into early January.

14 MR. MYERS: Can you explain
15 that?

16 MR. POWERS: Much of that
17 training is going to occur this month and go into early
18 January. We piloted it this past week with a
19 multi-discipline class of both operations and engineering
20 sitting in and going through it and putting the Ops
21 Manager, the Design Manager, myself, and Randy Fast as well
22 were in there, and now roll it out to the balance of the
23 Operations and Engineering staff. So, there is a number of
24 sessions in it, and rather large classes, so it's a major
25 training issue we got.

1 MS. LIPA: Thank you.

2 MR. MYERS: The next area I
3 want to touch on just for a moment was the, we did the
4 overall Root Cause we shared with you sometime ago. There
5 were some specific areas we said we would go back and look
6 at; for example, Operations. We completed that root cause,
7 and one of the things, the major issue that we have there
8 is you go look at the senior management support for
9 Operations leadership role. And let me tell you that we
10 believe that Operations leadership role at our sites is
11 extremely important, to ensure we had safety; and that was
12 lacking somewhat.

13 So, we're going back now, try to ensure that we have
14 the good Operations leadership model at our plant that we
15 need. We think we have some of that pretty well lined up
16 at our other plants.

17 You know, we brought Mike Ross in. He's been
18 working with the crews. I've been working with the
19 Operations crew myself; and Randy has. We've been meeting
20 with all the crews. We have a standard order that we've
21 drafted, go to the next slide, to discuss what we consider
22 the leadership role of our shift managers. Trying to get
23 that drafted in a manner so it's consistent at all three of
24 our plants. So, I'm probably the holdup on that now.

25 With our new, with our new Ops Manager, we're

1 receiving great feedback right now from the Management Team
2 that we brought in, that Operations is very much vertically
3 aligned from myself to Randy, and down through the Ops
4 Manager; and the organization morale seems to be pretty
5 good.

6 There is a high level of Operations involvement that
7 we're trying to improve, and we're stumbling sometimes, at
8 each one of our plants. For example, the System Readiness
9 Reviews, Operational Reviews, we're involved in operations;
10 Latent Issues Reviews, Outage Modifications and Work
11 Support Center.

12 And, finally, if you go look at one of the things I
13 think we've done to improve the operational support at our
14 plant, you know, most of the managers we brought in are
15 ex-senior reactor operators or certified individuals. For
16 example, I've had a couple SRO's, you know, the maintenance
17 manager is a previous SRO; Steve Loehlein is a
18 certification that we brought in. So, many of our managers
19 that we brought in are very strong from an operational
20 standpoint. We think that's going to lead us ahead in the
21 future when we restart the plant.

22 MR. DEAN: Excuse me, Lew,
23 before you go on. As I recall from previous discussions,
24 you had brought in some outside mentors in the Operations
25 area. Are they still on site? What role do they play?

1 MR. MYERS: Mike Ross is here

2 with us today, yes.

3 MR. DEAN: What role are they

4 providing? Are they still observing on shift activities?

5 MR. MYERS: Observing on shift

6 activities, providing some benchmarking, everything --

7 You want to go ahead, Mike? You went to six plants,

8 I think, right? So, might as well call on him.

9 MR. ROSS: I'm Mike Ross.

10 Yes, in the Operations Group, we benchmarked three

11 different facilities with a six-man team. We have a number

12 of activities in the Operations area designed to be totally

13 involved and move forward in the future and sustain

14 performance. I can go through a list.

15 MR. MYERS: We also have our

16 Ops Manager with us here, Mike Roder. Do you have anything

17 that you want to add in that area?

18 MR. RODER: I could, I don't

19 have anything specific. Just that Mike Ross is here, and

20 he's been an invaluable resource to me, as well as Randy

21 Fast.

22 My name is Mike Roder by the way.

23 But also, the industry peers, we have going out and

24 benchmarking. I have been visiting with my peers at both

25 the Beaver Valley Plant and Perry Station on a monthly

1 basis; involving our shift managers in that discussion, so
2 we can gain from their experiences. And we have, this week
3 we have industry peers through the Institute of Nuclear
4 Power Operators here on site providing some other
5 feedback.

6 So, as far as mentors, we're looking for as much
7 input as we can get. We're doing a lot of benchmarking, a
8 lot of gathering of information.

9 MR. DEAN: Mike, if there
10 were two or three things you could point to as whether
11 they're valuable lessons learned or insights that you've
12 gathered from this benchmarking that you're attempting to
13 apply here at Davis-Besse, what would those be?

14 MR. RODER: Really, the first
15 and foremost is looking at, you know, Lew had mentioned the
16 Ops leadership role, and our not meeting the mark
17 previously in that role. One of the best benchmarking
18 opportunities we had was to see how that is exactly, or how
19 that's exhibited at other facilities. Where does
20 Operations assert themselves? Where are the decision
21 points where Operations needs to be there?

22 And we have, like Mike Ross mentioned, we have
23 six-man teams for equipment operators, reactor operators,
24 senior reactor operators and management personnel that
25 went, visited three, actually four different sites; and we

1 were able to, to instill in ourselves the vision of what
2 Operations leadership means, not only in my eyes, but in
3 all my superintendents and several of my shift managers'
4 eyes, so we can carry that forward.

5 MR. DEAN: So, you're
6 gathering insights in terms of how Operations can assert
7 itself in a leadership role. I mean, that's a nice
8 platitude. I guess in terms of practical application, what
9 are some of the things you can point to that you are
10 imbedding into your operational flaws that weren't there
11 before.

12 MR. RODER: I can put one,
13 just moments ago before I came here, we had all of our
14 managers together in a manager meeting; and I am driving as
15 Ops Manager, I am driving several different issues within
16 the manager team to resolution, all directed towards plant
17 restart. So, from my role as the Ops Manager, we have
18 instituted at manager meetings, and we're driving several
19 issues through that team, myself being a lead for that
20 team.

21 MR. MYERS: Also, I think we
22 have the management operations, you would not have a shift
23 manager out doing management operations of maintenance work
24 activities and documenting it in the past, I don't
25 believe.

1 MR. RODER: Right. That was
2 very limited, and here we have several indications that our
3 shift managers are leading the way, both performance of
4 work and safety standards and upholding safety standards of
5 the site, not focused on operations necessarily, but the
6 standards of the site.

7 MR. DEAN: Okay, thanks,
8 Mike.

9 MR. MYERS: I think that was
10 an interesting comment, rather than Operations looking at
11 the small operations group, you know, they need to be
12 looking at the entire operations of the plant, and
13 broadening that perspective is one of the key things that
14 we have to do.

15 You know, I think that getting management team we
16 put in place has served as SROs, you know, is going to
17 strengthen that Op, that involvement of the Operations
18 group. For example, the Design Engineering Manager we
19 brought in, and Jim Powers also, they're all SRO's. First
20 thing that happens -- and that's a Senior Reactor Operator
21 License, by the way.

22 First thing that happens, we want something done,
23 automatically we can ask, can we get Operations involvement
24 in that decision now. We're doing that in the system
25 walkdowns, and these latent issues reviews, we're even

1 trying to get them involved in that. So, I think you're
2 going to see a lot more operations mentality and ownership
3 when our station is started up.

4 MR. DEAN: It may be a little
5 premature now in the fact that you're still kind of in
6 analysis-engineering-maintenance type of mode of activity,
7 but I think we would be interested in seeing perhaps a
8 better description later on in terms of how Operations is
9 indeed integrating itself into other plant activities to
10 provide that leadership.

11 MR. MYERS: Maybe we can
12 bring one of our shift managers to one of the meetings and
13 provide us some feedback.

14 MR. DEAN: That would be
15 great.

16 MR. MYERS: Okay. The next
17 area we'll discuss is Mike Stevens. He will provide you
18 with some overview of our restart efforts, if you will.

19 MR. STEVENS: Thanks, Lew.
20 I'm really excited about the amount of maintenance
21 that's going on at the Davis-Besse Plant. Our vision is
22 operational excellence. And in the Maintenance Department
23 we've come up with our mission is to provide planning and
24 scheduling and implementation of maintenance modification
25 activities that ensure excellent material conditions, which

1 we believe yet to have excellent material conditions for
2 operators. And that's what we're doing at the plant right
3 now.

4 We took a unique opportunity and drained down the
5 Reactor Coolant System to go work 74 valves; walk off the
6 Reactor Coolant System. They're the first off valves.
7 They're the valves Lew just talked about with the
8 management observations. I think that's great. And it
9 will ensure that we have good, tight Reactor Coolant System
10 at those isolation valves. Also, it helps us be able to
11 take other valves out of service and do that vent free and
12 continue our maintenance activities.

13 We took the Reactor Coolant System cold leg ~~resistant~~
14 resistance temperature detectors (RTDs) apart. We took them out of
15 the plant. We made a modification and resolved a
16 longstanding problem with very small minute leakage to
17 demonstrate to the folks involved with that, that we're
18 intolerant of even the smallest reactor coolant system
19 leakage; and got that problem behind us. We did that by
20 welding in new thermal welds and installing new RTD's.

21 We performed an inspection of our high pressure
22 injection thermal sleeves. It was an industry problem out
23 there. We inspected all four. We're going to replace two
24 of them.

25 Our reactor coolant pumps; we took two of the

1 reactor coolant pumps apart and we're resolving the
2 longstanding gasket leaks with the casing gaskets on those
3 pumps. We're going to install a new style gasket and put
4 them back together to make sure they're leak tight.

5 MR. HOPKINS: Question on the
6 thermal sleeves, have you done some sort of evaluation and
7 determined that's Part 21 compatible?

8 MR. FAST: That's a good
9 question. I don't know if I can answer that. If it's Part
10 21. It's something that the industry has knowledge of. In
11 fact, it's being treated as maintenance activity because
12 it's a replacement item. We had one in the warehouse. We
13 had done nondestructive examination testing during the 13th
14 refueling outage using radiography, but we took this unique
15 opportunity to go in with ~~baroscope~~ boroscope, and we saw minor
16 cracks on the leading edge of those thermal sleeves.

17 That has been reported. I don't know if it was
18 reported through the Part 21 requirement. I can take that
19 action and find out. But it is an industry understood
20 issue. It's being replaced with a like for like. We had
21 the spare. We had one spare available and we procured a
22 second spare and that work is in progress to replace those
23 thermal sleeves.

24 MR. HOPKINS: I think it should
25 just be followed up. I mean, here's the question of

1 possibly of safety significance; you know, hearing minor
2 cracking, I haven't heard anything that strikes me too
3 much, but yeah, I don't see any reason why you're unique
4 versus other plants in that regard.

5 MR. FAST: The only question
6 I can't answer is has it been actually recorded under Part
7 21; and I'll follow up with that.

8 MR. MYERS: These have been
9 replaced. We replaced one here before. I know of other
10 plants we replaced those also. So, we'll go look into
11 that. That's a good question.

12 MR. THOMAS: Does your
13 maintenance program account for periodic evaluation of
14 these thermal sleeves? You've identified, this is the
15 second time you've identified issues with these thermal
16 sleeves at this facility. Is there, is something in your
17 maintenance program to look at these periodically?

18 MR. FAST: It's integrated
19 into our in-service inspection program. It was done as a
20 routine activity during the 13th refueling outage.
21 However, as I said, we used radiography, which was
22 inconclusive. We took this opportunity to actually do a
23 ~~baroscopic~~ boroscopic inspection, so that was more telling in being
24 able to discern minute cracks.

25 MR. DEAN: I wanted to ask a

1 question about, Mike, you outlined a number of actions that
2 you have taken and are taking relative to assuring a
3 greater degree of leak tightness at the plant, as you
4 will.

5 These major issues that you described, are those
6 mostly an outfall of the effort after the plant shut down
7 in March to look at the integrated Reactor Coolant System
8 for leaks or some of these items that have been
9 longstanding issues that you're taking the opportunity to
10 look after now?

11 MR. STEVENS: I think it's a
12 combination of both. There are some things we did to the
13 plant that have developed into more improvement safety
14 margin, improving the material condition. I think we've
15 gone above and beyond in some areas, like the emergency
16 sump. I think we're demonstrating a model for the industry
17 there. I think we could have, we're doing those kinds of
18 things to the plant that has been a part of the review, as
19 well as longstanding latent issues that we resolved.

20 MR. DEAN: I guess what I was
21 looking for, you know, in terms of a linkage between
22 efforts for the plant to go into some extensive discovery
23 mode to look for issues. I guess I was trying to get a
24 sense of these things that you've described, how much of
25 that emanated from that activity, and how much of these

1 things were already on the books as issues that, you know,
2 you were going to get around to at some point?

3 MR. STEVENS: The reactor
4 coolant pumps were already on the books. We put an extra
5 ring of packing and rechecked the packing in decay heat
6 12; extra ring of packing. That was something we did new
7 that wasn't out of a review or action, it just, since we
8 were taking the opportunity to drain the system, we drained
9 down and it's one of the three valves that, in the deep
10 drain that we took an opportunity to go do as part of the,
11 over and above, the ensure that we don't have to come back
12 and address another problem later on; we're very
13 comprehensive.

14 MR. MYERS: Let me add
15 though, we went into this outage, reactor coolant pumps, we
16 knew they had some seal leakage at the bowl, but they were
17 not in the outage. And we made a management decision,
18 myself and my team made a management decision to go replace
19 them. Go into two of these reactor coolant pumps and pull
20 the rotating assembly out.

21 Anybody in here that's ever done that, this is a
22 major job, the motors on these pumps are probably the size
23 of a normal room in a house. So, we had to pull the motors
24 and impellers and shaft, and go into the pumps. And it was
25 fairly costly, but we made that decision to go in two of

1 them, and we'll do two the next refueling also.

2 That's the approach we're taking right now. Once
3 again, we wanted to demonstrate a standard; we knew those
4 seals were leaking and it was an opportunity to go after
5 them. So we did that.

6 MR. DEAN: Okay.

7 MR. STEVENS: Next is the
8 completion of what's required for Mode 6. Mode 6 is when
9 we put fuel in the reactor and begin returning the plant
10 back to operations. Our operations, you asked earlier,
11 Dean, where the SRO's and shift managers are setting the
12 standard. I think this is a good example where they're
13 done taking the Mode 6 checklist and are actually driving
14 the rest of the organization for the standard of response
15 for some of the items that are holding going to that mode;
16 not just to close out the paper, but really drive what is
17 the resolution that we're looking for, what do I need from
18 you to be able to close this item out; and they're doing
19 that proactively.

20 We modified our main fuel handling bridge, so we can
21 move fuel more reliably and safely in the reactor vessel.
22 That was a pretty extensive modification. It's nearing
23 completion. We replaced the electrical components on the
24 bridge as well as the motors.

25 Emergency sump strainer. We're replacing that

1 strainer, putting in a whole new design. I think it will
2 be the model for the industry.

3 We have Reactor Coolant 46 and 47. We're not
4 satisfied with just replacing this drain piping, but we're
5 actually going to modify it and change its design a little
6 bit, so we have good leakage, this line goes between our
7 reactor head seals; the inner and outer seal for the
8 reactor head; and that will give us good monitoring should
9 that seal start to leak.

10 We're installing the permanent reactor cavity seal
11 plate and setting a standard for excellence, and we won't
12 have Boron running down the walls should the seal plate
13 leak. We're going to remove that altogether.

14 Going onto Operational Testing. Currently, our
15 plans are to reload the core in mid January. We're going
16 to install the reactor head and enter Mode 5. Fill and
17 vent the Reactor Coolant System. That will be our first
18 opportunity to look for leakage on components, reactor
19 coolant pumps, some of these valves. Then we'll perform an
20 integrated leak rate test of the containment latter part of
21 January.

22 In between core reload and now, we're looking at
23 fitting our reactor head up to the reactor vessel and
24 ensure that it will fit and our alignment blocks and all of
25 our measurements do in fact match, and reactor head is

1 good. And have it support some shielding for us while we
2 work in the reactor cavity and in and around these drain
3 lines.

4 MR. MYERS: Let me interrupt
5 for a second. One of the things we talked about is reactor
6 cavity seal mod that we're making now. What that is,
7 during every refueling, you have your reactor vessel and
8 you need to flood the reactor vessel area or the reactor
9 cavity and canal, so you can refuel. You put about 30 feet
10 of water above the reactor flange or 21 feet to do that.

11 Well, you know, to do that, you typically go down
12 and put a temporary seal plate and you bolt that down in
13 place, it's probably 14, 18 foot diameter, just guessing,
14 but it's a pretty deep plate. Comes in section. You have
15 to put that in place. And it's an obvious path for
16 some minor leakage during the refueling outage. That may
17 have been where some of the Boron on the undervessel where
18 water dripped down and went on the side of the vessel,
19 during the refueling.

20 You know, as Chief Operating Officer of the company,
21 and VP, one of the things I always said in my life when I
22 was a young ~~help~~ health physics technician and operator, if I ever
23 had the chance to get rid of this problem, I would do it.
24 So, install a temporary seal in the area, and it's just,
25 there's just got to be a better mouse trap.

1 Several plants have installed what's called a
2 permanent cavity seal over the past few years. It's a
3 permanent seal that's in place, so that you don't have to
4 install this every outage, which is a pretty expensive seal
5 to install, in the millions of dollars.

6 What we've done at our FENOC ~~plants~~ plants, all three of our
7 pressurized water reactors have permanent cavity seals in
8 them. This will be the final one. So, you know, I think
9 that puts us in good stead from a leakage standpoint, and
10 also, now that these questions are coming up about Boron
11 under the vessel, you know, will help us out.

12 So, I'm pleased to sit here today and say that we
13 will start this plant up. And, if you look at all three of
14 our pressurized water reactors, all three have permanent
15 cavity seals when we start up. I think that puts us in
16 good stead as a company.

17 I'm sorry.

18 MR. STEVENS: No, that's okay.

19 Thanks.

20 MR. MYERS: I'm passionate
21 about these things.

22 MR. STEVENS: That's okay. Next
23 slide.

24 Reactor Coolant System. Mode 4 and Mode 3. This is
25 where we'll heat the plant up without nuclear heat, and

1 perform our inspections. This is under decay heat pit
2 modification, will be completed. This is a good activity
3 in that. In the past we've had this pit, has a cover over
4 the top of it, bolted it up and checked it for leaks, and
5 we put sealant around it.

6 It's a very intensive task, time consuming, doesn't
7 look very good. And we've decided to take advantage of
8 this time and go put a modification in that will actually
9 seal that pit and protect the components inside of it.
10 That entails installing some quarter inch stainless steel
11 plate. We have about a quarter of a mile of welds to
12 make. We borrowed some procedures from Davis-Besse,
13 running them through our process. They're taking and
14 mocking that up with plexiglass sheets to ensure that,
15 because it's easier to cut, and make sure that we have the
16 pieces fit correctly, and then we're making it in the shop
17 and we'll take it into the pit and install it.

18 Emergency sump, Steve and them are doing a really
19 good job implementing the modification for the strainer.
20 We're putting W-4 beams across the top of the sump. There
21 is 9 of them. We have one installed. After the beams are
22 in place, we'll bring the strainer media in, complete out
23 the top piece. Jim is going to talk a little more about
24 the emergency sump.

25 I talked about the reactor coolant pumps and the

1 maintenance that's ongoing there. And the mechanics are
2 going to replace the reactor coolant pump seals; we have
3 them being rebuilt.

4 Containment air coolers, we're pretty much
5 rebuilding that from the ground up. We've got the motors
6 reworked. We've got duct work out refabbed and going back
7 in. We've got new cooling coil. We're going to start
8 fabricating the service water connection in the shop next
9 week. And, then we'll have everything we need to go
10 through that normal operating pressure and temperature
11 check. And to do that we'll have to complete our Safety
12 Functionality Reviews.

13 Next slide.

14 MS. LIPA: Before you go on,
15 Mike, you mentioned the Safety Functionality Review. I see
16 later in the presentation there will be some discussion of
17 System Health, so we can wait until later, but my question
18 is, how are you going to be addressing the safety, the
19 safety system health assurance problem on 3 and 4, what's
20 the plan for that?

21 MR. STEVENS: Well, any -- do
22 you want to answer that?

23 MR. POWERS: All of the issues
24 that we've uncovered as part of our discovery activities
25 that are related to modes 3 and 4 have mode change

1 restraints on them that have been applied by our licensed
2 operators. Each time we find an issue at the plant and
3 identify a potential concern, we document it in our
4 Corrective Action Program. Those CR's, as we refer to
5 them, go through the control room as far as routing
6 process, and the control room will take out a restraint on
7 a mode change if there is any question about the equipment
8 performing, its capability to perform its safety function.

9 So, we've got a rigorous process in place where we
10 know the list of things that need to be done and resolved
11 to clear Mode 3 and 4. Part of that is the Safety
12 Functionality Review that the systems will perform the
13 safety function.

14 MS. LIPA: You going to get
15 into that Safety Functionality Review in more detail later
16 today?

17 MR. POWERS: Yes, I will.

18 MS. LIPA: Okay, thank you.

19 MR. STEVENS: Thanks.

20 Next slide.

21 To do that test, we'll have to have a secondary
22 system back and be able to support pulling a vacuum in our
23 main condenser. We've done that once already since we've
24 been down. You remember we talked about the leakage and
25 the way we put the new coating on the main condenser.

1 Operations will complete the simulator training just
2 in time, and then we'll do our heat up. And this will be a
3 good opportunity for us to test all of our systems. We're
4 going to do that. And we'll cool down and do, and perform
5 any other necessary maintenance.

6 MR. GROBE: Mike, hang on for
7 a second. Is there something controlling the volume on the
8 microphones?

9 (off the record.)

10 MR. STEVENS: What I want to
11 close out with, before I turn it over to Randy is, when we
12 go to heat up, we'll have to have most if not almost all of
13 the plant systems required. And, we've been down for a
14 year. We're going to take the opportunity to run those
15 systems, make sure we understand how they're operating and
16 that they do meet expectations and are in good operating
17 order. And if they're not, we'll go perform required
18 maintenance that's necessary to get them to that point.

19 So, it's a series of testing that will go on with
20 bringing this plant back, as well as, we talked, the seven
21 day duration of holding that pressure and doing the
22 inspections on the Reactor Coolant System primary.

23 MR. GROBE: Could you give us
24 a sense of how many mode restrictions there are in each
25 mode?

1 MR. STEVENS: I know there is
2 189 -- well, I have to change that up, because we have some
3 down. There is 160 some for Mode 6. 400, well, about 400
4 and some for Mode 5 -- 4. I just saw, Jack, I just saw
5 that performance indicator this morning; and the relative
6 peaks, there is more for Mode 4 and 3 than there are for
7 the others. And that's really where we're going to bring
8 the systems back.

9 MR. COLLINS: Jay Collins. If
10 you could speak closer to the microphones on both sides,
11 there are some problems hearing in the back and that might
12 help with the distortion. Thank you.

13 MR. GROBE: Thanks, Jay.

14 MR. STEVENS: I could say this,
15 there is about a hundred and a half Mode 6. About three
16 times that for the next mode change to Mode 4. Mode 5,
17 there is a handful associated with the reactor head. And
18 Mode 2, there is about a couple hundred. And I'm trying
19 to --

20 MR. MYERS: If you want the
21 exact numbers, we can get you the exact.

22 MR. GROBE: No, that's fine,
23 I just wanted to get a sense.

24 MR. STEVENS: That's misleading,
25 because each one of the mode restraints condition reports

1 have an issue in and of itself that needs to be addressed;
2 and those, one of the guys that was pulling, pulling them
3 through report this morning, there is like 50 some odd
4 systems touched by this one mode restraint, and a hundred
5 actions. So, there is a significant amount of work.

6 But I think we can, I know we're up to, we're up to
7 it. We've got the right logistics in the schedule. The
8 schedule is driven off these milestones. We're bringing
9 the systems back to the plant and we'll just have to go
10 through that.

11 MR. MYERS: Okay?

12 MR. STEVENS: With that, I'll
13 turn it over to Randy.

14 MR. FAST: Just looking for
15 those mode changes. I have them somewhere as well. We'll
16 have to find those for you.

17 Thank you, Mike.

18 Good afternoon. Pleased to meet with you today and
19 bring us current with our status of Containment Health.
20 And, since we met last, we have completed all of our
21 scheduled inspections as part of the Containment Health
22 Plan, including the boric acid extent of condition, the
23 equipment qualification inspections, containment and liner
24 inspections and the containment coatings inspection.

25 The results of those inspections. 511 condition

1 reports were initiated by the inspection program.
2 941 of those were directly related to the boric acid
3 extent of condition. Now out of those items, no
4 significant material conditions existed, other than really
5 I think the most significant component or system that was
6 impacted were the containment air coolers. And the
7 containment air coolers is a ventilation system that
8 distributes air throughout containment, and so there was
9 degradation of that system.

10 But, if you look at some of the other, of the
11 evaluations, or excuse me, the significance, things like
12 the qualified equipment, equipment qualified components, I
13 think we target 159 inspections. All of the equipment
14 inspected would have met its design requirements. There
15 were no operability concerns for that.

16 Now, out of this population of inspections, we have
17 about 250 evaluations that are currently in progress by our
18 engineering staff. We have 478 of these evaluations that
19 are undergoing supervisory and management review. And
20 we've shored that up; we have several of our folks, in
21 fact, we had some of our senior reactor operators involved
22 with this process to ensure the corrective actions we're
23 taking are appropriate. 181 of the evaluations have been
24 completed and 32 are closed.

25 So, as you see that last bullet -- I'm a little

1 challenged with not being able to see the screen here --
2 but we did not have any equipment qualification that was
3 impacted as a result of these inspections.

4 Next slide, please.

5 MR. GROBE: Randy, before you
6 go on. Can everybody hear me? Is that okay? I saw a nod
7 in the back row there.

8 I'm having a little trouble understanding the first
9 two bullets. 511 condition reports were initiated through
10 your inspection program and there is an additional 400 and
11 some condition reports that were initiated from some other
12 activity; is that my understanding?

13 MR. FAST: Jack, we go back
14 to the actual Containment Health Program had key elements
15 of it; one of which was look at extended condition,
16 degradation or impact on equipment, structures, systems and
17 components because of boric acid. As part of the
18 inspection additionally we did Alloy 600. So, any
19 connections. We did the upper head, the lower head, and as
20 well, general inspections, looking for any degradation or
21 any issues associated with material condition. So, those
22 were categorized a little bit differently, so the
23 population that you see, the 941, are directly related to
24 boric acid inspections.

25 MR. CHAMBERS: Randy, those

1 also -- my name is Tim Chambers. I just want to clarify,
2 those also include the inspections that we did outside
3 containment in the 941. So, those boric acid inspections
4 were outside containment, that's why that number looks
5 higher.

6 MR. FAST: Thank you, Jim.

7 Is that clear?

8 MR. GROBE: Yes, I have a
9 question regarding your next bullet. Help me understand
10 the level of activity remaining. Once you complete a
11 condition report evaluation, you identify what corrective
12 actions are necessary for that condition report; is that
13 right?

14 MR. FAST: That's correct.

15 MR. GROBE: So, there is two
16 thirds of the these 941 that you have not yet completed the
17 evaluation on to identify the corrective actions.

18 MR. FAST: That's correct.

19 MR. GROBE: Okay.

20 MR. FAST: As part of our
21 Containment Health Assurance Program, the ongoing work that
22 we have, the emergency sump screen. And I have
23 photographs. I'm going to get into a little bit of detail
24 about what these items are, but as well Jim will brief us
25 on the design change process. The decay heat valve pit

1 Mike was talking about, and just in the way of correcting,
2 we actually got a welding procedures from Beaver Valley, it
3 was a mig process, which will really be a little quicker
4 for us and give us good results. So, we are mocking that
5 up with plexiglass, but we'll line that with stainless
6 steel.

7 The containment air coolers, as Mike had said,
8 effectively totally rebuilt. The ~~outlook plant~~ output plenum on the
9 dropdown dampers, the cooling coils, new motors and the
10 things have been completely reworked. We have pictures
11 that I think will help in that way as well.

12 Engineered coatings. As I said, our inspections are
13 complete. I don't have a good picture of the containment
14 dome, but if you can picture looking straight up in the
15 containment, there is an upper and a lower spray ring
16 header and from the lower header all the way to the peak of
17 containment is completed. In fact, that second coat has
18 been evaluated and dispositioned by our quality
19 organization and we're moving on to the side walls or the
20 upper dome above the support platform for the polar crane.
21 So, that work is going well.

22 As well, we've done complete remediation on the
23 core, both core flood tanks. One is completed, the other
24 is completely tank removed, it's been prepped and we'll
25 start painting on that tomorrow.