

1 pumps. We have purchased new pumps and motors. Both the
2 pumps and the motors need modifications to them, they're
3 not, they're a little bit higher horsepower and higher
4 pressure than our current pumps, so we'll require some
5 modifications to them.

6 In order to, in the process of going through this,
7 Jack, as we've talked to you, we are supporting, we are
8 preparing a license amendment with analytical support from
9 Framatone for our existing high pressure injection pumps to
10 be used during our Normal Operating Pressure Test.

11 The reason that the safety analysis shows that
12 that's acceptable is during that sequence of events, the
13 heat, the plant is pressurized, but it's not heated with
14 any nuclear heat. So, even though it's at normal pressure,
15 without nuclear heat and without essentially any decay heat
16 in the system, the system will be pressurized much faster
17 than it would with a lot of decay heat coming down from a
18 hundred percent power.

19 And what that means, is the high pressure injection
20 system would not have to go into operation off the
21 recirculation mode. It initially comes on, takes suction
22 off the borated water storage tank, a very high purity
23 water.

24 So, we're preparing an analysis that would
25 demonstrate that we would not need to go into recirculation

1 for the high pressure injection pumps. That will require a
2 license amendment request to the NRC, which I'll term as a
3 one-time deviation from the current technical specification
4 for the high pressure injection pump.

5 We expect that analysis out of Framatone this week
6 yet; in fact, tomorrow to do that. And we're working on,
7 supporting that, getting the information for that license
8 amendment request.

9 We also are continuing to look at the potential to
10 test our existing pumps, and to do a modification. There
11 is a modification that ~~NPR~~ MPR is looking at for us, that the
12 suction to this hydrostatic bearing, is taken off of a
13 fourth stage of a pump, so it's actual water that's going
14 through the pumps, some of it is siphoned off and fed
15 through the hydrostatic bearing.

16 There is a potential modification that could put a
17 very fine mesh screen right at the suction where that ports
18 off to the hydrostatic bearing. We would mock that up,
19 demonstrate the ability of that to perform, and then we
20 would do some testing of the rest of the internals of the
21 pumps.

22 Right now I would say that that is a much less
23 likely scenario than replacing these pumps, but we are
24 continuing to look at that.

25 MR. HOPKINS: If you were to

1 replace the pumps, do you think there would be any license
2 amendments needed for the replacement pumps?

3 MR. SCHRAUDER: We don't believe
4 so right now, Jon. They will meet the existing design
5 requirements for the plant when they're modified.

6 MR. HOPKINS: Okay.

7 MR. MYERS: Bob, I have a
8 question. This is different. But if you go look at our
9 pumps, the issue is not the ECCS issue, it's the issue for
10 Boron precipitation, and hydroinjection; is that correct?

11 MR. SCHRAUDER: Some of both.
12 There are some accident scenarios that would require the
13 HPI system to go on recirculation, but there is a long term
14 requirement for the process that we have for, what's called
15 Boron precipitation control. It takes the service line or
16 the mission line for the HPI quite a bit longer than just
17 depressurizing the plant.

18 MR. MYERS: You go look at
19 our high safety injection pump doesn't take direct suction
20 off the sump. It's a piggyback mode, what I'm trying to
21 say.

22 MR. SCHRAUDER: Okay, the next
23 issue I would like to discuss, or give you an update on, is
24 the electrical distribution system.

25 We had a number of Condition Reports, many of them

1 coming out of the Safety Function Validation Project and
2 the Latent Issue Reviews and the System Health Readiness
3 Reviews, which challenge assumptions and completeness of
4 the analysis for the electrical distribution system.

5 Much of the resolution or evaluation of those
6 Condition Reports hinge on basically a new electrical
7 distribution calculation. So, we're revising the analysis
8 on a very sophisticated computer software. It's very large
9 and comprehensive calculation. It's very similar to the
10 flow of water through a pipe system, but this is more
11 complicated than that, in that it covers a very high
12 voltage all the way down to the loads throughout the plant,
13 in all the different systems, so integrates the entire
14 electrical distribution system.

15 We've been working on that analysis for a couple of
16 months now. It is still a couple of weeks away before we
17 will be able to look at the operability of the electrical
18 distribution system, and all of its potential down stream
19 and whether there are any voltage problems in the, down in
20 the 480 and lower distribution system.

21 MR. GROBE: Have you gotten
22 any preliminary feedback from early calculation runs as to
23 whether or not there is going to be any need for
24 modifications?

25 MR. SCHRAUDER: No, we don't have

1 any preliminary runs?

2 MR. GROBE: You're still

3 building the model?

4 MR. SCHRAUDER: But it's very near

5 completion. Once the model is done, frankly, it goes very

6 quickly to run the model and be able to see.

7 But there is some potential that some of the voltage

8 is down at the, at the end of the distribution system, we

9 could potentially have to do some modifications in that

10 area.

11 MR. HOPKINS: Let me ask you

12 here, Bob. The new computer model, is that an NRC approved

13 computer model?

14 MR. SCHRAUDER: Yes, it is, Jon,

15 it's ETAP.

16 MR. HOPKINS: So, it's been

17 approved at other facilities?

18 MR. SCHRAUDER: Yes, it has.

19 Okay, another issue on the electrical side, if you

20 will, relates to the emergency diesel generator. We have

21 some issues on the diesel generator.

22 First of all, our load table was found not to be

23 current, kept up-to-date with all of the loads that are

24 loaded onto the diesel. And, we have a starting voltage

25 and frequency response of the diesel itself, where the test

1 results and data that we accumulated identify that the
2 voltage and frequency responses were not as stated in our
3 USAR.

4 So, we are revising, we have revised the diesel load
5 calculation. We have completed that for the current load
6 and we will need to do some additional work on that
7 calculation, because we're doing some changes in the system
8 during this outage.

9 Things like these HPI pump motors, will be, they're
10 higher horsepower motors than what our current HPI pumps
11 have. We are adding some room coolers to the emergency
12 diesel generator rooms themselves. That will add load to
13 those diesels. And we have some revised Appendix R
14 loading.

15 So, we completed what was the current loading table,
16 but we need to add some more information to it as we
17 complete some of the other things that we're doing during
18 this outage.

19 We are preparing a transient analysis for the
20 voltage and frequency response. We do have the initial
21 confirmation of that, if you will, and have identified that
22 the diesels do not meet the current design specs as
23 specified in the USAR and Safety Guide Number 9.

24 Those specifically being, voltage during the initial
25 load sequencing should not drop below 75 percent of the

1 nominal load. And the frequency should not drop below 95
2 percent. And we found that we do go below those for some
3 very short period of time during the initial load step on
4 the diesels.

5 So, the next step in that is to evaluate what that
6 impact is to the downstream components. And it recovers
7 very quickly in a matter of about, between one and a half
8 and two seconds, that voltage and frequency comes back up
9 to the expected value, so we have to evaluate now
10 downstream as to whether there is any effect on the
11 equipment that's needed to be supplied by that diesel
12 generator. And, we're in the process of completing those
13 evaluations.

14 We do believe though based on our preliminary
15 results that the diesel does have sufficient capacity and
16 capability to start and load and carry its design basis
17 load. So, some of the preliminary results there do look
18 favorable for the diesel generators.

19 Again, the diesel generators are though somewhat
20 limited with this new motor that we would put in for the
21 high pressure injection pumps. That's one of the reasons
22 why we have to do some modification work. Our existing
23 motors are about 690 horsepower. The ones that we have
24 purchased are a thousand horsepower right now. We'll need
25 to bring those down into about the 800 horsepower range, in

1 order we don't exceed the capability of the diesels to
2 supply those.

3 Jim actually already talked about the next issue,
4 which was the air operated valves. Covered virtually
5 everything that's on that slide, so I won't go into that
6 again.

7 MS. LIPA: I have a question
8 on the air-operated valves. Can you determine how this
9 occurred, how you found that these valves were not properly
10 adjusted and have you shared what you found with the
11 industry?

12 MR. SCHRAUDER: First of all I
13 would say that I don't think the air-operated valves, I'm
14 not sure if we put an OE out on it yet or not, but it's
15 certainly not a new issue. It's very similar to the
16 motor-operated valve programs that utilities went through,
17 created a motor-operated valve program, and we really are
18 getting into the air-operated valves now.

19 We have written Condition Reports on the
20 air-operated valves and evaluation of why and how those
21 setups were done. Some of them have been done with the
22 Condition Reports.

23 MS. LIPA: Okay, thank you,
24 Bob.

25 MR. GROBE: Okay.

1 MR. SCHRAUDER: Those were the
2 only issues I was going to cover today.

3 MR. GROBE: Other questions?
4

5 I have just one. I believe that the significant
6 portion, if not all of this design work, has been done by
7 the contracted engineering organizations. In light of
8 recent inspection findings, are you planning on augmenting
9 or modifying the method by which you review and confirm the
10 adequacy of the outside engineering work?

11 MR. POWERS: I would like to
12 cover that one, Jack.

13 We are looking at the control of the, the reviews of
14 the technical org. as supplied to us by our outside
15 technical contractors, and there is a couple of steps that
16 we'll be taking. One is looking specifically on how the
17 flow of that review occurs, what our process is, and the
18 requirements of that process.

19 We're also going to the, our Engineering Assessment
20 Board, to look specifically at a couple of design packages
21 that we think merit a thorough review, extended condition
22 perspective on those. Those are the, the decay heat valve
23 tank modification for the liner there, and also the
24 containment air coolers. Both of these modifications
25 occurred over a long period of time. Different personnel

1 working on them.

2 And we believe what we know now, and we're still,
3 we're still probing into details on, on some of the issues
4 that have been found. We think those are modifications
5 that merit a full review, detailed review. So, those are
6 the actions we're planning to take.

7 MR. GROBE: The work that's
8 done by an outside engineering organization, that's done
9 under a quality assurance program; is that correct?

10 MR. POWERS: That's right.

11 MR. GROBE: Are you also
12 digging a little deeper into that to find out why their own
13 internal checks and balances didn't find these?

14 MR. POWERS: Absolutely. And
15 the contract organization, and this is the organization
16 that prepared our, our emergency sump, some calculations
17 there; were questioned on the detail and calculations.
18 They have their own corrective action report internal to
19 their Appendix B Program, corrective action to investigate
20 exactly what occurred to allow a calculation to come out
21 with some discrepancies in it. So, we'll be monitoring
22 their performance, as well as our own corrective action
23 programs.

24 MR. PEARCE: We haven't reacted
25 to that yet in Quality Assurance, but we will, Jack, and

1 we'll go look, and look at just what you're asking.

2 MR. GROBE: Okay. Good.

3 Appreciate that.

4 I appreciate your patience on these first two
5 sections of your presentation. These are both very
6 important sections, and fairly complex, and I know we had a
7 lot of questions. I guess I had a lot of questions. I
8 appreciate your patience.

9 We've been going for an hour and a half. I know,
10 Lew, that you have a flight a little later today, but I
11 think there is a lot of material later that's going to go
12 rather rapidly. I would like to take a five minute break,
13 if we could.

14 MR. MYERS: We were just
15 getting warmed up.

16 MR. GROBE: Yeah, it's
17 getting warm in here. Five minutes means be back at 25
18 til.

19 (Off the record.)

20 MR. GROBE: Okay, Randy.

21 MR. FAST: All right, thank
22 you, Jack.

23 I wanted to spend a little time today to bring us up
24 to date with the activities that are going on inside of the
25 containment outside of the Integrated Leak Rate Test.

1 I wanted to at least take a step back and say, what
2 is Containment Health? What were some of the things that
3 we put as part of our plan for activities in containment?

4 So, I listed the project scope, including the
5 emergency sump, containment coatings, decay heat valve
6 tank, containment air coolers, fuel integrity, our
7 equipment -- environmentally qualified equipment, refueling
8 transfer canal, containment vessel; and, as well, what
9 really generated the whole action plan, was the boric acid
10 extent condition, including the inspections, evaluations
11 and corrective actions.

12 Next slide, please.

13 So, I'm going to go through each of these
14 individually and try to bring us current with where we are
15 in the projects.

16 The Emergency Sump. Of course, the purpose is to
17 ensure long term cooling. That's what collects the water
18 after design basis accident and provides suction to the
19 high pressure injection pumps, as we had talked about
20 earlier. And the status is, the engineering design work
21 has been completed. We've actually completed the field
22 installation. There is a couple of minor things.

23 I wanted to make sure I'm clear about what is really
24 installation. There is a support echo that had a couple,
25 another corrective action, but for, the majority of the

1 field work is completed. And we did increase the strainer
2 surface area from the original 50 square feet to what is
3 really industry leading 1200 square feet. And we did
4 complete the inspection. The Nuclear Regulatory Commission came in
5 last week and looked at the design package, as well had an
6 opportunity to walk down the actual sump.

7 Next slide, please.

8 MS. LIPA: I did have a
9 question for you, Randy.

10 MR. FAST: Yes.

11 MS. LIPA: I know you were
12 doing a transport analysis for the past condition of the
13 sump to support the LER. Are you also doing a transport
14 analysis of going forward on the new design?

15 MR. POWERS: There is a
16 transport analysis for the new design, supports the new
17 design as part of the modification package. The transport
18 supports the LER in the past operability situation. It's
19 not been started yet. We have a scope discussion ongoing
20 with the contractor that performs that, and we're at the
21 point now where we can begin that process.

22 MR. GROBE: Appreciate you
23 very early in the process, but do you have some kind of a
24 window that you expect to get that done?

25 MR. POWERS: I would say it's

1 in the range of four to six weeks, Jack.

2 MR. FAST: Just point out a
3 couple of items here. This area right here is part of an
4 access hatch. And, as part of routine inspections, we gain
5 access to the, this is the upper portion of the sump that
6 would allow, it's a bolted lid that can be removed to allow
7 access into the upper sump area.

8 As well, this is what I'll call porous filtration on
9 the top of the upper portion of the containment sump, and
10 then inside, what you really can't see, but we've shown
11 previously to the top hatch, the cylindrical assemblies
12 that provide filtration.

13 Next slide, please.

14 This is what we haven't shown a lot of pictures of,
15 but, and I want to try to provide a vantage point. This is
16 a stairwell right here. So, you see the treads of the
17 stairs going up. This lower portion is under, actually at
18 the elevation below the reactor vessel. There is a series
19 of eight tubes below and some external surface that
20 provides some straining. And these tubes provide transport
21 which are supported by these supports right here. And they
22 incline up and then transition up into the upper portion of
23 the sump.

24 So, what's unique about this design is, about a
25 third of it is the upper portion and two thirds of it is

1 the lower portion of the sump.

2 Next slide, please.

3 Now, this is another, I think, really an excellent
4 design feature associated with our emergency sump. This is
5 a debris screen gate. On either side at the 565 foot
6 elevation of containment, there is these large steel doors,
7 and they provide lockable access control to those areas,
8 but as well they provide coarse screenage or filtration of
9 debris that would be generated under design basis
10 accidents.

11 So, these are massive doors. And they really are
12 works of art. Excellent work by our craftsman in putting
13 this together. And these two -- this is door number 1.
14 There is another one on the other side, door number 3.
15 Then there is another door, 2, and 2 Alpha, which are on
16 either side of the transfer canal.

17 Jack, you're grinning there.

18 MR. GROBE: I was going to
19 say, only an engineer would ~~do~~ view that as a work of art.

20 MR. FAST: I'm telling you,
21 you could put this in a museum. You would say, what is
22 it? You would say, it's art.

23 MR. HOPKINS: Is that solid at
24 the bottom there?

25 MR. FAST: No, this is,

1 I'm talking about, this is a support, so this provides
2 vertical support. This section right here just has a
3 smaller grating associated with it. This is 2x -- 1 1/2
4 inch x 4, like a deck plate, and this is about 4x4.

5 MR. POWERS: I think, Randy,
6 six inches across the bottom there, right there where you
7 point, it is solid plate.

8 MR. FAST: Okay. This is a
9 solid plate. This area here.

10 MR. POWERS: It's the concept,
11 it's graded filtration to hold up small finds of grit at
12 the floor level, stop them there.

13 MR. GROBE: You said, I
14 apologize for not remembering the elevation, but 565, is
15 that the floor level which is about the top of the sump?

16 MR. FAST: That is correct.
17 That's the lowest elevation of our containment. Now, we
18 have lower elevations underneath the reactor vessel.

19 MR. GROBE: Post LOCA water
20 level isn't much higher than that finer mesh, is it?

21 MR. FAST: It's, this would
22 be 565 elevation, this floor area. And the actual sump or
23 the level in containment would be about two to two and a
24 half feet. So, that's as, all of the borated water storage
25 tank, and the core flood, it's been flowed into the

1 containment building, we would see elevation at about
2 that.

3 MR. GROBE: Okay, thank you.

4 MR. THOMAS: As part of the
5 design package, was there an evaluation done to see if
6 these two coarse screens potentially rob flow to the sump?

7 MR. POWERS: That was
8 considered as part of the design. Depending on where the
9 break would be and which side of the D-rings, on which side
10 of containment; debris would be generated, a lot of debris
11 on that side of containment; and if one of these screen
12 gates were to be full of that debris, the other side would
13 be relatively clean. And there is also the flow path down
14 below the reactor vessel, through those stairwells in the
15 lower part of the sump, that would be -- there is diverse
16 pathways for the water to flow back to the sump.

17 MR. FAST: Next slide,
18 please.

19 Okay, Containment Coatings. Purpose to ensure
20 adequate long term cooling. This is not the purpose of
21 coatings, it's the purpose of the project, was to ensure
22 for long term cooling, we removed degraded or unqualified
23 coatings on components in containment.

24 So, we've done a thorough evaluation of all of the
25 coatings in containment. And, we had a couple of targeted

1 areas; core flood tanks had unqualified coatings, as well
2 containment dome, which was an older type paint that had
3 degraded.

4 And all of the targeted coatings, targeted coatings,
5 we still have some unqualified coatings, but they're
6 bounded by our transport analysis, they have been removed
7 using rotopine and needle guns, and we are repainting with
8 qualified coatings. We are just a little more than about a
9 week away from getting out of the paint business here.
10 I'll show some examples of some of the paint.

11 Next slide, please.

12 There is a core flood tank. So that, that's one of
13 the tanks that we've, that is, well, it's one of two tanks
14 that have water pressurized to 600 pounds, that go into the
15 Reactor Coolant System on a loss of coolant accident.

16 All the paint had been removed, and as well, this is
17 where the actual water, it's pressurized from above. This
18 is the volume of fluid that's borated, and it comes through
19 the core flood and into the core flood nozzle. So, those
20 coatings have been removed and recoated.

21 Next picture, please.

22 Service waterlines. These blue headers right here
23 are part of the service water that are provided to the
24 containment air coolers. We have three containment air
25 coolers. These are isolation valves here.

1 One of the things I wanted to note, you don't get
2 the clarity in this picture, but part of our initiative to
3 improve the indemnification of assets or components in
4 containment was to change out old metal tags with new.
5 They're a polymer type of high density qualified on a
6 design basis, and attached with aircraft cable. And
7 they're bar coded as well for future options. You can see
8 a little bar code on this one here.

9 We can use that then to actually verify containment
10 clearances, as we close that, you can tag that and you know
11 you're on the proper component.

12 Another interesting point is that all of these lines
13 have been cleaned internally, hydrolased and flushed. So,
14 these lines that had some carbon steel and they had some
15 telltale signs of rust and corrosion have all been cleaned
16 internally. So, paint was removed on the outside,
17 recoated, and cleaned on the inside.

18 Next, please.

19 Here is the top of the containment dome, about an
20 acre, a little over 40,000 square feet. You see here the
21 containment spray headers, the upper spray header and lower
22 sprayed header here. And this is the polar crane that
23 extends across the top of the structure.

24 There is a little fascia right here. This is one
25 that, our painters actually brought this issue forward,

1 said they felt that was an area that had not been targeted
2 for coatings removal. They brought that to our attention.
3 It had degraded. We had a coatings engineer go look at
4 it. We additionally removed that coating.

5 You can see here, new white fresh paint. This is an
6 area where paint has been completely removed. This picture
7 is about a week and a half old. We're making excellent
8 progress, and we are just about at being done.

9 What's so unique about this project is, you see what
10 we call a spider rig. These are basically like window
11 washing rigs that hang from the overhead that our paint
12 crews have used to access these areas. That's what's
13 really been difficult about this project is the
14 accessibility at that high elevation, but this is really a
15 project that is coming very close to completion.

16 MR. MYERS: Randy, you say
17 we'll be done in about a week with coatings in containment?

18 MR. FAST: That is correct.

19 MR. MYERS: So, that closes
20 out a large number of corrective actions and CRs.

21 MR. FAST: Let me go, I have
22 another section on that. This closes out the painting part
23 of the it, but the other part containment health, we talked
24 about the assets that had some indication of boric acid;
25 that's another part of this program. And we are at the

1 conclusion of really remediating all of those assets under
2 the corrective action Condition Reports written,
3 inspections, corrective actions. And by the end of this
4 month, we expect to have all those assets recovered and
5 inspections complete.

6 And when I get to that slide I have some detail,
7 but that was over 6500 corrective actions, which was a
8 significant amount of work.

9 MR. THOMAS: Before we leave
10 coatings -- are you done?

11 MR. FAST: Shoot.

12 MR. THOMAS: Can you briefly
13 describe the types of unqualified coatings that were left
14 in containment that are bounded by your analysis?

15 MR. FAST: Yes, Scott.
16 Principally what we have is conduit that was painted as
17 part of the original construction. That conduit has
18 coatings that are not qualified, that would be expected
19 through jet impingement, through design basis accident some
20 of those coatings would be removed. We have an estimated
21 square footage and that's bounded by the transport
22 analysis. So, principally, it's conduit.

23 Next slide, please.

24 The next area is the decay heat valve tank. This
25 was to ensure integrity of two very important valves, which

1 operate post-design basis accident, decay heat 11 and 12,
2 ensures that we maintain integrity, because these are below
3 the flooded area that we talked about previously.

4 So, those valves are not qualified to operate under
5 water. So, we need to be able to keep this vault in a
6 condition where those valves are able to be operated from
7 any time shortly after the design basis accident up to a
8 week after the accident occurs.

9 And in this case, the engineering design work has
10 been completed, installation is nearly complete. Really,
11 the outstanding actions there are the electrical conduit,
12 our sealed welding, and we have what's called a loss of
13 cooling accident seal that is installed inside of the
14 conduit to ensure that no moisture or water from the
15 external can get down into the electrical components, the
16 valves that are in the decay heat valve tank.

17 That's about it for the decay heat valve tank. I
18 don't have any pictures of that. It's closed up, welded
19 up. It has an access opening. We'll just go down there
20 for routine inspection activities from this point.

21 MR. MYERS: It is one of
22 those significant long-term problems that we're really
23 pleased with. I think we have a very robust design on that
24 tank.

25 MR. FAST: I would say, it

1 was elective on our behalf, but we wanted to demonstrate
2 the right standards and the right safety consciousness for
3 important equipment that mitigates the event of any design
4 basis accidents.

5 Next, Containment Air Coolers. What they, the
6 purpose of this particular plan was to replace components
7 that had been damaged or degraded by exposure or long term
8 exposure to boric acid. Additionally, of the three
9 containment air coolers, we had three motors that were part
10 of a Part 21 report, came from the original equipment
11 supplier, and they needed to be remediated.

12 Fan motors have been replaced. Fans, dampers, duct
13 work, all of the instrumentation have been cleaned,
14 refurbished or replaced. We have a series of different
15 things that we did. The fan inlet plenum has been
16 completely rebuilt. It was galvanized, fairly light
17 weight. It's now a heavy duty stainless steel, will last
18 the life of the plant; and if it requires any cleaning,
19 will be very easy for our staff to go in and clean.

20 Service water piping to the cooling coils has been
21 redesigned and replaced. I think I've got a picture of
22 that we can look at.

23 Next slide, please.

24 Well, excuse me, I'll just finished the discussion
25 here. Physical work is nearly completed. And just going

1 to go back, I believe we talked about this, I wasn't at the
2 last public meeting, but we had numerous Lessons Learned
3 from the installation of Containment Air Cooler Number 1;
4 some of which revolved around the engineering, the
5 maintainability long term, operational concerns about the
6 ability of the equipment to be operated properly, and as
7 well, just a craftsmanship of the installation.

8 We took all of those Lessons Learned, regenerated
9 the project, and went in and very successfully completed
10 that service water connections to Containment Air Cooler
11 Number 2 and Number 3. And we elected, based on the
12 quality of that design, its ability to be maintained, to go
13 back in and we're currently working on Containment Air
14 Cooler Number 1, so that all three of the containment air
15 cooler service water connections will be identical, equally
16 maintainable.

17 One last item that we'll have to perform, our plant
18 engineering staff will do an air and service water testing,
19 to ensure as you would with any heat ~~exchange~~ exchanger process that
20 we get the appropriate cooling.

21 Next slide, please.

22 MR. MYERS: This is a work of
23 art.

24 MR. FAST: This is. Thank
25 you very much, Lew.

1 These are the service water inlet and return
2 headers. And I'll identify right here what you see are
3 some bellows assemblies. That allows for thermal growth.
4 Under accident conditions, the containment is actually
5 pressurized to about 40 pounds, about 263 degrees. We get
6 what's called two phase flow, as service water is coming
7 into these containment air coolers.

8 This is a very robust design; stainless steel with
9 these thermal bellows. This design will allow
10 maintainability for the new containment air cooler and
11 coils themselves. These are a couple of our craft workers
12 actually doing installation on Containment Air Cooler
13 Number 3.

14 It's been a, really an interesting project, and a
15 lot of lessons learned from it. We actually simplified the
16 design. We made it a little bit too complex originally,
17 and that actually made it more difficult to install. By
18 using a specialty contractor that really specializes in
19 these unique kinds of engineering issues, came in and gave
20 us some hints on how to simplify that design. It was
21 easier to install in a more timely fashion, and we feel we
22 got much better quality.

23 I might just mention one of the concerns. These
24 bellows need to be aligned properly, so we ensure that
25 their flexure is guaranteed. That was one of the issues is

1 the misalignment of those bellows.

2 Next slide, please.

3 Fuel integrity. One of the long term issues is
4 really to insure fuel reliability. As we talked this
5 morning at the public meeting about some of the health
6 physics issues, those issues are borne out of fuel that
7 either has failed or has leakage. And we wanted to make
8 sure that for the long term health of the system and as
9 well the fuel reliability that we go to every extent
10 practical to include the fuel reliability.

11 We've removed defective fuel rods. We modified and
12 improved the fuel handing equipment. We improved our
13 training and our procedures for folks. A lot of visual
14 checks during ~~fuel~~ fuel movement, core load. We actually
15 replaced some of the spacer grids that were damaged.

16 And, we feel that we are in pretty good shape with
17 our core load successfully behind us. There are no pending
18 activities pending with the fuel reliability, and I'm
19 looking forward to leak free fuel cycle.

20 Jon?

21 MR. HOPKINS: Let me ask you,
22 Randy, was the spacer grid damage or any other defective
23 rods traced back to construction of the fuel rods, the
24 vendor, let's say?

25 MR. FAST: There is two

1 principle elements, Jon, to answer your question. One is
2 in the design. I will say that the spacer grids are,
3 they're not as substantial as some other fuel fabricators.
4 They have some pros in that there is a lot of flexure
5 capability, but they're not as robust.

6 And, I have talked with the fuel vendor, and they're
7 actually going to incorporate a new fuel grid design they
8 got from another company that they partnered with. That
9 will improve spacer grid design and limit the amount of
10 damage that's done.

11 But there's a second element here, and that's the
12 actual equipment that we use. Actually imposes more
13 opportunity to cause grid strap damage, because of very
14 close tolerances on the mast, as you would withdraw or
15 insert fuel, it rubs on the inner portion, and that
16 provides an opportunity for grid strap damage.

17 So, we took some compensatory measures to ensure
18 that we minimize that hazard. And long term, we're looking
19 to modify the fuel handling equipment to open up some
20 clearances to mitigate those potential effects.

21 MR. HOPKINS: Okay, thank you.

22 MR. FAST: Next slide,
23 please.

24 Environmental qualified equipment. As part of the
25 inspection activities, all assets that are required to be

1 maintained operability after design-basis accident were
2 walked down and evaluated, and all of that equipment was
3 inspected for signs of boric acid or degradation. All
4 equipment was found to be operable and there was no impact
5 on them, which is really a good thing. That would say the
6 design was robust and appropriate.

7 Next slide, please.

8 Refuel Canal Leakage. We have some legacy issues
9 here. This is really a housekeeping issue for us, but one
10 we wanted to look at past leakage from structures and
11 identify any sources of leakage.

12 We used some new technology, actual sound monitoring
13 equipment, that actually can detect a very low leakage. We
14 did find some examples that are under review and evaluation
15 for corrective action of areas where we did see some low
16 level leakage.

17 As well, just to ensure, because there is a leakage
18 path, what was the impact on concrete; was there any
19 degradation on concrete; as well is there any degradation
20 of rebar, that steel that's embedded within the concrete.
21 And, we did show some very minor corrosion; however,
22 nothing that certainly affected structural integrity.

23 And, the corrective actions that we're going to take
24 are under review. It will be done at a future date when
25 the time is appropriate.

1 I do believe I have a photograph here of a core
2 bore. I'll just point out -- this is containment concrete
3 that's poured. This is a cross-section of a, we actually
4 bore this piece of concrete out, so that we can do analysis
5 of the actual rigidity, the hardness of that concrete.

6 This is where it's actually cut through the rebar.

7 So, we're able to look at the rebar and see is there
8 any corrosion on the surface, as leakage or water has
9 migrated through the concrete, would come in contact with
10 the rebar. And, there were no issues there.

11 We also verified that the hardness, the integrity of
12 the concrete met or exceeded requirements for concrete.
13 This is high pressure, high density concrete.

14 MR. MYERS: What did you do to
15 that hole?

16 MR. FAST: We grout that. A
17 process, we use high density grout to go back, fill those
18 holes. Those are engineered holes. We don't just go
19 hunting. We know, based on maps, where the concrete is,
20 where the rebar is; and so we actually target those areas,
21 based on those drawings, to get these core bore samples.
22 We know as well, that they don't compromise the structural
23 integrity of the building.

24 MR. MENDIOLA: Randy, how many
25 bores did you end up cutting?

1 MR. FAST: A Bunch. I don't
2 have that number, Tony. I can get that number for you
3 later.

4 MR. MENDIOLA: Okay. And did you
5 find any concrete along any of the leakage paths that needs
6 to be repaired?

7 MR. FAST: We did not find
8 any examples where concrete did not meet design
9 requirements.

10 MR. MENDIOLA: Okay, thank you.

11 MR. FAST: Next slide,
12 please.

13 The Containment Vessel. That's the actual liner,
14 what I call liner. It's not a liner, it's a freestanding
15 steel vessel, inch and a half steel throughout containment.
16 And we needed to verify the integrity of that containment
17 liner.

18 We went through a series of nondestructive
19 examinations. All those examinations were completed. The
20 containment is operable. And that was defined as well by
21 the Integrated Containment Leak Test.

22 We are installing a grout seal to close, there is a
23 small annular gap, both on the inside and outside of the
24 containment vessel. That will seal between the concrete
25 curve on the inside of containment and what's called a sand

1 pocket on the outside of containment.

2 So, that is outstanding work. We've got some
3 proposals of it coming to us to perform that remediation
4 before restart.

5 Next slide, please.

6 Here's what brought us to this issue, which is
7 really the containment inspections. They'll look at all of
8 the assets and components that were affected by boric acid,
9 evaluate those conditions, ensure that we have appropriate
10 corrective actions, and then document as-left condition,
11 which will really give us a good baseline for future
12 inspections.

13 Next slide, please.

14 All of the discovery inspections in accordance with
15 our Discovery Action Plan have been completed. All
16 evaluations have been prepared, as we talked earlier, about
17 6500 corrective actions have been identified. Not all of
18 those are required for restart; however, they were coded as
19 a restart or nonrestart.

20 We have a number here, as you see either restart
21 corrective actions that were assigned. This number has
22 gone up since the slide. I don't have a current number,
23 but all of these will be completed by the end of the
24 month. And the remaining work is primarily just cleaning
25 things, like boric acid on a valve stem or on one of the

1 assets within containment. We document the as-left
2 condition. It's documented on the Condition Report.

3 And the last item, actually I got a status this
4 morning on steam cleaning. We're still struggling a bit,
5 but we wanted to actually go inside and steam clean the
6 D-rings. That's partly a housekeeping issue to raise the
7 standards, also decontaminate the areas.

8 As of this morning, we only had about 31 inspections
9 for assets inside the D-rings remaining. I wanted to get
10 those completed. We'll do the D-ring cleaning as separate
11 issue, but I wanted to complete the actual inspections on
12 the assets in containment.

13 Next slide, please.

14 Reactor Pressure Vessel Head. Reactor is completely
15 resembled since the last time we met. Missile shields are
16 installed. We're in our final configuration. Head vent is
17 in. All seismic restraints are in. Cabling is installed.
18 Control rod testing will be done during full pressure
19 test. So, the reactor vessel is fully intact and ready for
20 full pressure testing.

21 Next slide, please.

22 MR. HOPKINS: Wait a second.
23 Let me understand. So, you will actually be withdrawing
24 the control rods during the full pressure test, one at a
25 time?

1 MR. MYERS: No.

2 MR. HOPKINS: No. So, when you

3 said control rod testing, what testing is that?

4 MR. FAST: I think it may be,

5 before we'll start the reactor up, we'll do rod testing.

6 MR. HOPKINS: Okay.

7 MR. FAST: That is a normal

8 surveillance activity. I think the words are deceiving

9 here. It's not actually during the demonstration test of

10 full pressure operation.

11 MR. HOPKINS: Thank you.

12 MR. FAST: Thank you, Jon.

13 Next slide.

14 This is the FLUS. This is the containment, in this

15 case, under vessel leakage monitoring system. This is the

16 installation of tubing which actually goes up and under the

17 vessel. It's on the inside of the insulation.

18 Installation is complete. We are hooking up --

19 pardon me?

20 We are installing the plant computer that will allow

21 us to do remote monitoring. And then as part of the

22 pressure test, the demonstration test, we'll have an

23 opportunity to do sensitivity testing to actually calibrate

24 the system and set it up for power operation.

25 That's really everything associated with the

1 Containment. I think we're going to get out of Containment
2 Health business in the near term. We'll bring you
3 up-to-date with any additional activities that we have, but
4 at the end of the month, Containment Health is for all
5 intents and purposes going to be complete.

6 MR. MYERS: You know, that
7 test you saw might be the test where they just move the rod
8 up an inch or so to make sure it's ~~flush~~ flush. That might be.

9 MR. FAST: Verification of
10 rod length. And I know, Jon, you're probably asking about
11 the rod drop test.

12 MR. HOPKINS: Yeah. I would
13 like, I would like you to verify that, because if you make
14 any submittal about the HPI pumps for that NOP full
15 pressure test, I would like to know what you're going to be
16 doing with control rods at the same time.

17 MR. FAST: Understand.

18 MR. MYERS: You may have
19 concluded that. You're right.

20 MR. FAST: We'll take that
21 action. Thank you, Jon.

22 MR. MENDIOLA: If I could ask a
23 question on a previous slide. I hate to take you all the
24 way back to slide 19, your first work of art there.

25 I can't remember all your debris analysis that you

1 had, and you talked about this to us months ago, but did
2 you have any screen gates previous to this time?

3 MR. FAST: We did not.

4 MR. MENDIOLA: Okay. These gates
5 are at the 565 level?

6 MR. FAST: That's correct.

7 MR. MENDIOLA: And LOCA
8 condition, the water will get into the sump at 565 level by
9 what method; down the stairwells?

10 MR. FAST: There are opening
11 in the D-rings that would allow flow into that area.

12 MR. POWERS: LOCA approach from
13 both sides, Tony, around the walkway on the 565, you're
14 familiar with the approach walkways to the sump. It can,
15 water can flow 360 degrees around the containment. There
16 is one of these gateways on both sides. Either way. Plus
17 it can go down the stairwell to the lower, below the
18 reactor vessel area where that lower large portion of the
19 sump is.

20 MR. MENDIOLA: So, there is
21 stairwells, if you want to call that, on both hemispheres
22 on both sides of the gates?

23 MR. POWERS: Yes, right.

24 MR. MENDIOLA: So the gates, the
25 LOCA debris loading is on one side of both gates, there is

1 still water going to be able to get down into the sumps?

2 MR. POWERS: Right.

3 MR. MENDIOLA: To the other

4 stairwells?

5 MR. POWERS: Right. That was

6 the design consideration.

7 MR. MENDIOLA: Okay. Thank you.

8 MR. MYERS: Okay, Jim.

9 MR. POWERS: I would like to

10 talk about a success we had at the site with the Integrated

11 Leak Rate Test in Containment. If you look at the front of

12 your slide package. First slide shows our cooling tower as

13 we build it with the recovery and improvement of our

14 plant. Integrated Leak Rate Test was one of the major

15 milestones that we needed to complete to continue our

16 forward progress. And we performed it well at the site and

17 we demonstrated a very leak tight containment.

18 The purpose of the test is to demonstrate

19 containment integrity. Following the construction opening

20 that we prepared in containment to move our new reactor

21 vessel head in, we closed up the opening and demonstrated

22 structural integrity and leak rate integrity through this

23 testing process.

24 The process of testing containment for pressure is

25 done periodically, normally on a ten year interval, unless

1 there is a reason, a major change, such as our
2 construction, to do it more frequently.

3 We pressurize our containment to nearly 40 pounds
4 per square inch gauge with compressors as we do this, and
5 then we hold them for stabilization of conditions within
6 the containment and atmospheric conditions. The
7 containment is very large, about 27.8 million cubic feet.
8 So, to pressurize it and then hold it for conditions such
9 as thermal stratification to stabilize is important.

10 Then we prepare, or we perform leakage test
11 measurements, and our instrumentation that we use for this
12 is very precise. We have 30 temperature elements that we
13 locate throughout the containment. We have ten relative
14 humidity gauges. And we have two precision scientific
15 instruments that measure down to the range of 1/10,000 of a
16 pound per square inch change in pressure. So, that's the
17 reason why we wait for stabilization to get all the
18 parameters stabilized and ready for the test.

19 We perform a leakage test by looking for any changes
20 in the parameters that may indicate there is leakage. And
21 that test goes on for a number of hours. And, I'll show a
22 curve of the pressure test that gives you a timeline of
23 it.

24 Then, we validate our test instrumentation by
25 introducing a known small leak out of the containment with

1 an accurate measurement on that leak, and we watch our
2 instrumentation to assure that it can accurately detect
3 that leak and that validates that the instrumentation is
4 working well.

5 Then, subsequent to collecting our data, we
6 depressurize and analyze the test data.

7 Next slide shows the equipment that we need to bring
8 in to the site.

9 MR. GROBE: Jim, you might
10 want to clarify that you don't actually put a hole in
11 containment.

12 MR. POWERS: Oh, we open up a
13 little valve, Jack, thank you. That's right.

14 MR. MYERS: Saw that core
15 drill a while ago.

16 MR. GROBE: That's right, that
17 was not a known small leak. (laughter)

18 MR. POWERS: In order to
19 pressurize this large containment building, we bring in
20 twelve temporary compressors onto the site. And here we
21 show a view of them from one of the upper floors of our
22 office building right adjacent to the containment at the
23 site.

24 So, looking down, you can see the arrangement of
25 these compressors. They're all taller than we are.

1 They're pretty big pieces of machinery. And we connect
2 them up with hoses into a manifold. That's that little
3 piece of pipe, white piece of pipe proceeds on into the
4 containment.

5 At the turn in the white pipe is a silencer for when
6 we depressurize the containment; the air escaping is pretty
7 noisy and it goes on for a period of time while we
8 depressurize all that air.

9 On the next slide, we show the manifold hooking up
10 all the hoses from the multiple compressors together. Use
11 this to pressurize. As you can tell, this is advanced
12 planning that needs to take place to get this test prepared
13 to go, and equipment to be staged.

14 And there is a lot of preparation within the plant
15 itself within the containment. For example, the Reactor
16 Coolant System needs to be closed up. All the work needs
17 to be completed on things like reactor coolant pump seals
18 that were being refurbished, valves that are being replaced
19 and maintenance being done on them. Steam generators need
20 to be closed up.

21 So, a lot of work needs to be prepared. Individual
22 valves need to be tested in preparation. And then every,
23 every one backs out of containment, and any loose equipment
24 is removed, because of the pressurization and
25 depressurization on those.

1 And, so the organization needs to communicate and
2 work well together to reach this milestone and effectively
3 execute it.

4 On the next slide, what we show is the
5 pressurization sequence that occurs, as we go through the
6 stages of the Integrated Leak Rate Test. So, to pressurize
7 the containment with all the compressors takes nine hours.
8 Then a stabilization period is a bit over ten hours. The
9 hold test where we take our instrumentation readings is a
10 bit over six hours. Verification that we talked about,
11 with the flow that's introduced through a valve,
12 approximately four hours. And depressurization takes
13 another over nine hours to let that air out of the
14 containment structure.

15 This was completed on the 9th. And it was
16 completed, I need to add as well, six hours in overall time
17 frame better than the last time this test was done in
18 2000. This test was done during a refueling outage. So,
19 the organization worked well together to efficiently do
20 this test, and to do it well.

21 The next slide, some of the Safety Culture
22 attributes that we think were demonstrated through the ILRT
23 activities; preplanning, cross-functional teamwork. You
24 know, as I've described, the engineers need to work to
25 prepare, the maintenance craft workers need to get their

1 work done as a priority and understand priorities to
2 achieve this objective.

3 Operations needs to position hundreds of components
4 of valves into the appropriate position to prepare for the
5 test and its successful execution.

6 Contingency planning needs to be in place for all
7 these steps, in case equipment is not available or doesn't
8 work appropriately. Previous lessons learned from the
9 Davis-Besse site, as well as the industry factored in. We
10 brought in industry experts to peer check us and critique
11 us in our plans prior to the test to be sure we're
12 successful, and that paid off.

13 Resource allocation needs to be there for all the
14 various work groups, and solid project management dragnets
15 that lay out the logic of how we're going to go through the
16 test and complete it successfully need to be done.

17 These are a couple of the engineers. The front man
18 is Mike Byer. He's in the plant engineering section of our
19 senior engineers. He is the Test Director. And he's
20 assisted by George VanWert, who is a specialist contractor
21 in this type of test. They were at their computer
22 instrumentation monitoring the parameters during the test
23 here.

24 As we show here, I mentioned we demonstrated through
25 our data review that the containment continues to be leak

1 tight, and we had a successful test evolution.

2 Any question on that?

3 MR. GROBE: Jim, no question,
4 just a comment. We had two inspectors that spent, well,
5 over about the last eight weeks reviewing test procedures
6 and preparations for this test, and actually witnessed the
7 test; and provided very positive feedback regarding the
8 performance of the test and the quality of the results.

9 MR. POWERS: Thank you.

10 Couple of slides here I wanted to touch on quickly.
11 We've talked about many of these significant plant issues
12 that are being resolved amongst our various portions of the
13 presentation in the past meetings, but we are working to
14 keep them in front of us at the plant and in front of the
15 staff, so they can see the effective resolution of
16 longstanding issues and in some cases latent issues at the
17 plant, and what it takes and demonstrate effective
18 resolution of issues. We think that contributes also to
19 the Safety Culture at the plant.

20 As you can see, for example, I will select a couple
21 of them. Our valve team has worked over 1,500 work items
22 that completed work on 594 valves, 72 remain. That
23 includes things like repacking valves where any leakage was
24 noted. Replacing yokes on valves to get improved material
25 applications. So, a lot of work on material condition of

1 the plant has been done.

2 On the next slide, we have noted on the first bullet
3 there, the reactor vessel internal cleaning. Randy
4 mentioned the fuel inspections and going toward competence
5 on our fuel integrity. We also completely disassembled the
6 internals for the reactor vessel at the site prior to
7 putting the fuel in. And backended out and removed all
8 foreign material with a very thorough cleaning. So, that's
9 a real plus of the site going forward for fuel
10 reliability.

11 We also repaired our reactor coolant system
12 resistance temperature detection ~~faucets~~ bosses that had been a
13 source of leakage in the past, and those were replaced.
14 Completed work on reactor coolant pumps. We're going
15 through our emergency diesel generators and improving
16 material condition there.

17 We've cleaned the inside of our service water system
18 and made sure it was restored to full capability. We
19 mentioned our feedwater heater 1-6 retubing project.
20 That's also positioning the plant material condition for
21 the future, lifetime of the plant.

22 Our cranes, we worked on those to upgrade our
23 controls; and also make them removable from containment, so
24 during the operating cycle, that instrumentation can be
25 taken out of containment, so it's not exposed to operating

1 conditions, and it's brought back in during refueling
2 outages. So, that would keep it in pristine shape.
3 Finally, a thorough containment cleaning. Going
4 through with a team led by Lynn Harder in our Containment
5 Health Group, completely cleaning the residual Boron that
6 may be there. That's restoring us to a standard that will
7 set our going forward, the staff for future operations.

8 With that, speaking of Safety Culture, I would like
9 to turn it over to Lew Myers.

10 MR. MYERS: Thank you.

11 Today, I would like to talk about three areas,
12 desired outcomes, if you would. Prior to our Mode 5, we
13 completed our second Safety Culture Assessment in-house. I
14 would like to assess you on that.

15 As you recall, we hired an independent consultant to
16 perform a safety assessment -- Safety Culture Assessment at
17 our plant, and provide you a preview of some of the
18 information that we learned from that assessment.

19 And finally, then Bill Pearce will brief you on the
20 results of our most recent Safety Conscious Work
21 Environment Survey. You remember, we gave you some
22 information I think last year or something, on the first
23 review. So, we'll give you an update there.

24 If you go look at our Safety Culture process, we
25 have a business, business practice that we put in place,

1 our assessment for Safety Culture is a very structured
2 process, using that business practice. And I'll give you
3 some, an example of that, that we developed, and to monitor
4 specific attributes and characteristics for each of the
5 these Safety Culture criteria that we identified.

6 We had a two-day meeting. Each manager came in and
7 presented their assessment of their particular area. The
8 criteria for the groups was graded as a group. So, all the
9 men. It wasn't just a guy comes in and says, I think my
10 areas are green. It was a very challenging experience.

11 I think you'll find some of your people monitored
12 this, I believe. We also brought in some of our program
13 owners from engineering our engineering programs; some of
14 our system engineers. Then we went out and randomly picked
15 a couple of our mechanics to also give us some feedback.

16 The management team consensus as a group I think was
17 attained before we finished. Then, once we finished our
18 Safety Culture Evaluation for Mode 5, we go back and from
19 an objective standpoint and look at this criteria, because
20 this is a learning process. We go back and review and
21 redefine the criterias we need to, or add additional
22 criteria. I'll show some examples of that.

23 Next slide.

24 If you go look on this Mode 5 Safety Culture, we
25 assessed ourselves overall as yellow in the Policy Level

1 Commitment Area. I'll provide you some input on that.
2 Yellow in the manage -- Plant Management Commitment Area.
3 I'll provide you some input on that. And finally, the
4 Individual Commitment Area, we also assessed ourselves
5 yellow. So, it's yellow, yellow, yellow.

6 As you see, we added some criteria, the two lower
7 corners.

8 Do you have your pointer?

9 So, in the Policy or Corporate Level Area,
10 Self-Assessment was added and Independent Oversight on the
11 specific criteria for those.

12 And then in the Management Area, we have
13 Cross-Functional Work Management and Communications and
14 Environment of Engagement and Commitment.

15 As you see, these four new criteria, we graded one
16 of those yellow. And we really focused on those areas
17 prior to loading the fuel.

18 The overall assessment, we would say, if we had to
19 look at this assessment as different than we had before,
20 because we had some white areas, and they have shown
21 before, but we would say if we had to assess ourselves
22 honestly, we see an improvement, but what we've seen is
23 criteria is very specific now, and more difficult to
24 grade. And I'll show you that as we go through.

25 So, let's move on to the next slide.

1 MR. THOMAS: Lew, could you
2 briefly talk about what yellow means for the broad
3 category?

4 MR. MYERS: Yes, I'm glad you
5 asked that. In fact, I just happen to have our business
6 practice. Green is all major areas are acceptable with a
7 few minor indication -- indicator deviations. White is all
8 major areas are acceptable with a few indicators requiring
9 management attention. Yellow, you get into where it
10 requires a more prompt attention. All major areas are
11 acceptable with several indicators requiring prompt
12 management attention. And then red would be, several major
13 areas and these criteria on the side, do not meet
14 acceptable standards and require immediate management
15 attention.

16 MR. THOMAS: Thank you.

17 MR. MYERS: This slide here is
18 an example of one of the pages of this procedure, which I
19 think is 55 pages long. We go through and use this
20 criteria to grade our areas. Some of the stuff is
21 subjective. Some of it is very objective.

22 For example, if you look at this area here, it's in
23 the individual commitment area, and it concerns questioning
24 attitude. If you look over here at the individual area up
25 here, you'll find a questioning, an area under questioning

1 attitude.

2 If you go back to this original Safety Culture model
3 I gave you, and under the Quality of Prejob Briefings, we
4 have some subjective criteria where we're red, if we see a
5 lot of prejob briefings not going well. If in general, if
6 management observation and QA field observation, so we're
7 also using our quality group observations show that the
8 prejob briefs are generally acceptable, then you would be
9 green.

10 That's sort of subjective, but we can go back, and
11 since our observations are computerized, look at the number
12 of acceptable ones and make a management decision there.

13 You go to the next one where it is more objective;
14 very, very objective. Now, where we say, correct CRs that
15 have been generated by our staff. Now what, those that we
16 have, is our staff, when we find problems, identify those
17 problems.

18 So, if you go look, you say, less than 13 percent of
19 our individuals wrote CRs during the past 30 days. That
20 would be a red issue.

21 Go over here, and you look and say, more than 17
22 percent of our individuals wrote CRs in the past month.
23 That would take us to green.

24 So, that's very measurable. So, you find a
25 combination of questions with some subjectivity in it, and

1 some others that are very objective.

2 Next slide, please.

3 In the Policy Level Area, there is five commitments
4 in this area. Two of the commitments are new. Two were
5 evaluated yellow.

6 If you go look at our management values are clearly
7 reflected in our business plan and are understood in the
8 organization. That is yellow. I will explain why in just
9 a moment.

10 Resources, the next area is yellow, was resources
11 are available or can be obtained to ensure safe, reliable
12 operations. We also grade that area yellow. Now. Why was
13 that?

14 Go to the next slide. If you go look, the 2003
15 business plan was not approved or was distributed at that
16 time. In fact, it was in the last stages of approval
17 waiting for Bob Saunders' signature. That didn't stop us,
18 because the criteria was that objective, we rated ourselves
19 on; that does not meet that criteria.

20 Additionally, if you go out and survey our
21 employees, you know, we'll tell you that we're still
22 getting some, we think we show good improvement, but
23 getting some mixed results when we go out and ask about
24 what is Safety Culture and what is the difference between
25 that and Safety Conscious Work Environment; stuff like

1 that. So, based on that, we graded that area yellow.

2 Employees are unaware of the Nuclear Performance
3 Index, when we go survey that. What is the status that
4 index right now? That's one of the criteria we measure.

5 If you go look also at Maintenance, Radiation
6 Protection and Chemistry areas and in Design Engineering
7 Operations, they were yellow based on availability of
8 resources.

9 If you go look on our plate right now, especially in
10 this first three areas, there is a lot of CRs and
11 activities. Just throwing resources at the problems
12 sometimes doesn't help. And so, you know, we've been
13 working, our staff has been working like 72 hours a week.
14 We've backed off on that. We made some very good
15 accomplishments, but because of that, we grade ourselves
16 yellow.

17 Additionally, if you go look at our Operations Area,
18 we have continued training on, but we have interrupted our
19 license class, which we are just now putting back in place
20 for next year's exam. If you go look, because of that,
21 Randy talked to you about our staffing plan awhile ago for
22 Operations, and that's a very important area for us.
23 Because we had knocked off that training class, with the
24 outage for awhile, we graded yellow also.

25 Lack of appropriate section performance indicators.