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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

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BRIEFING ON INSTITUTIONALIZATION AND INTEGRATION  
OF AGENCY LESSONS LEARNED

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WEDNESDAY,  
OCTOBER 25, 2006

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The Commission met at 9:30 a.m. in One White Flint North, 11555  
Rockville Pike, Rockville, Maryland, the Honorable Dale E. Klein,  
Chairman, presiding.

COMMISSIONERS PRESENT:

- DALE E. KLEIN, Chairman
- JEFFREY S. MERRIFIELD, Commissioner
- GREGORY B. JACZKO, Commissioner
- PETER B. LYONS, Commissioner

1 PRESENTERS:

2 WILLIAM KANE, DEDR

3 LOREN PLISCO, Reg. 2 DRA for Construction

4 MARTIN VIRGILIO, DEDMRS

5 JAMES WIGGINS, DD RES

6 EDWARD BAKER, Director, OIS

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8 ALSO PRESENT:

9 MIKE WEBER

10 MEL LEACH

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P-R-O-C-E-E-D-I-N-G-S

CHAIRMAN KLEIN: Good morning. It's always nice to have a meeting to look across and you recognize everybody.

(Laughter.)

CHAIRMAN KLEIN: This is obviously an important meeting. We're going to hear about lessons learned and as you probably heard from me in the past not only is important to learn lessons, it's important to have lessons implemented. So we'll hear about that as well. Any comments before we start?

COMMISSIONER MERRIFIELD: The only comment I would make, Mr. Chairman, is I think the staff has done a terrific job over the last year in terms of taking a look at these issues. We have had many challenges in the past that they've looked at to bring the Davis-Besse event and others.

We had received comments before about how important it was for us to have a corrective action program given the fact that we review and comment on others' corrective action programs and I think that's the right thing and I'm looking forward to the results of the meeting.

CHAIRMAN KLEIN: And we're happy to have Commissioner Lyons with us again today.

COMMISSIONER LYONS: I think I am.

COMMISSIONER JACZKO: You can sit over here if you want.

(Laughter.)

CHAIRMAN KLEIN: Any comments?

1                   COMMISSIONER JACZKO: Just again, I would reiterate  
2 a lot of what's been said. I think it's important, this is a very important topic  
3 and I look forward to seeing how we're going to take some of these  
4 lessons and put them into implementation and practice and some of the  
5 criteria we're using for doing that.

6                   CHAIRMAN KLEIN: And Pete.

7                   COMMISSIONER LYONS: I just second the comments  
8 that were already made. It's certainly very important to have a strong  
9 program. I appreciate everything the staff has done to do that, but the real  
10 proof of this is the implementation and making sure that these lessons  
11 learned are truly known by the individuals who have to carry them out.

12                  CHAIRMAN KLEIN: Thanks. Bill, the floor is yours.

13                  MR. KANE: Good morning. Chairman and  
14 Commissioners, the staff is ready to brief you today on the status of our  
15 Lessons Learned Program which we all strongly support. I have with me  
16 today Marty Virgilio, a fellow Deputy Executive Director, and I won't get  
17 into the rest of his title. You all know him. Ed Baker is the Director of the  
18 Office of Information Systems, Jim Wiggins who is a Deputy Director of  
19 Research but also Chairman of the Lessons Learned Oversight Board and  
20 Loren Plisco who is the Team Leader for the Lessons Learned Task Force  
21 and also a member of the Lessons Learned Oversight Board and Loren  
22 of course is the Deputy Regional Administrator for Construction in Region  
23 II.

24                  So at this point, I would turn it over to Loren to begin the  
25 presentation.

1                   COMMISSIONER MERRIFIELD: Bill, one note I would  
2                   make. Marty's title is long, although I note to the Secretary it's not  
3                   accurate. His title has changed to also reflect the work that Marty will be  
4                   doing as the lead point person for Tribal issues and that's not reflected on  
5                   the title shown before him today.

6                   MR. KANE: I probably should at this point just,  
7                   Commissioner, thank you and give his exact title which is Deputy  
8                   Executive Director for Materials, Research, State, Tribal and Compliance  
9                   Programs.

10                  COMMISSIONER JACZKO: Have we dropped Federal?  
11                  (Laughter.)

12                  CHAIRMAN KLEIN: I think what we need to do is just  
13                  Marty is in charge of everything.

14                  MR. VIRGILIO: Everything but reactors.

15                  MR. KANE: Thank you. Loren.

16                  MR. PLISCO: Good morning, Chairman and  
17                  Commissioners. The purpose of this briefing is to inform the Commission  
18                  about the implementation of the Lessons Learned Program and  
19                  accomplishments of our working group over the past year. I last briefed  
20                  the Commission on November 1, 2005, and during that briefing I  
21                  discussed our general approach to completing this task and our initial  
22                  thoughts on the proposed process. Today's briefing, I plan to briefly  
23                  review why we were assigned this task, discuss what we've completed  
24                  over the past year and discuss the additional enhancements that are  
25                  needed to ensure the future success of the program.

1 Slide 2 please. In reviewing what happened at Davis-  
2 Besse in 2002, the staff identified issues that were similar to issues found  
3 in previous NRC self-assessments. The task force recommended that a  
4 more comprehensive review of these concerns be completed and that's  
5 referred to as Appendix F in the Davis-Besse Lessons Learned Task  
6 Force Report.

7 At the direction of the EDO, NRR completed this  
8 comprehensive review in 2004. This review concluded that corrective  
9 actions resulting from previous reviews although initially effective were not  
10 always found to remain effective. The EDO chartered my team in January  
11 of 2005 to review the root causes that the NRR review identified and to  
12 address the recommendations of that report.

13 Slide 3 please. As I stated, the NRR review found  
14 examples of ineffective corrective actions. They found examples where  
15 corrective actions had been implemented but were later undone, corrective  
16 actions had not been fully implemented, corrective actions did not fully  
17 address the original problem, corrective actions that did not result in  
18 measurable actions, the action item was closed before the corrective  
19 actions were actually completed and the frequent changes in due dates.

20 As they reviewed all those examples, they identified four  
21 root causes of the problems and they were noted by the team in the their  
22 report. The first one is the agency did not have a corrective action  
23 program. The task force recommended that the NRC establish an agency-  
24 wide corrective action program that focuses on the corrective actions for  
25 major lessons learned reports. Second, the agency did not have a

1 centralized tracking system for the actions. Third, there were weaknesses  
2 in the line organization closeout practices. And, fourth, the process for  
3 closeout of actions did not include effectiveness reviews.

4 Slide 4 please. In January of last year, the EDO chartered  
5 our team to develop a program to address the root causes noted in the  
6 NRR report. My team was composed of 12 members representing each  
7 of the major program offices, the regions and some of the support offices.  
8 We were tasked to develop a program that would prevent recurrence of  
9 significant problems and ensure the knowledge gained from lessons  
10 learned was retained and to maximize its benefit to the agency.

11 Slide 5 please. Since my last briefing, we have developed  
12 and implemented a program to address the root causes identified by the  
13 NRR review. We have issued a management directive to implement the  
14 Lessons Learned Program. We've prepared two procedures to provide  
15 additional implementation guidance and details to the staff.

16 The EDO has selected the Lessons Learned Program  
17 manager to administer the program and that's John Lamb. The EDO has  
18 designated the members of the Lessons Learned Oversight Board and as  
19 Bill mentioned, Jim Wiggins is the chair of that board. The staff has also  
20 conducted detailed effectiveness reviews for six historical lessons learned  
21 reports and I'll refer to those as legacy effectiveness review reports later  
22 in my discussion.

23 Slide 6 please. Management Directive 6.8, the Lessons  
24 Learned Program was approved by the EDO on August 1, 2006. This  
25 Management Directive establishes a more formal and structured process

1 to manage corrective actions in the agency. I wanted to highlight that our  
2 team took the opportunity to lead by example in development of this  
3 management directive and we've included background and bases  
4 information in the Management Directive to provide the basis for our  
5 decisions regarding the construct of the program. We thought it was  
6 important to explain why the program is needed and why it's set up the  
7 way it is and that way staff can better understand what we were thinking  
8 when we developed the program and more importantly, understand what  
9 we intended if someone wants to change the program later on.

10 We also interfaced during our construct of the  
11 Management Directive with the Management Directive process working  
12 group. There's a working group working on how to improve our process  
13 to develop and change Management Directives and we exchanged ideas  
14 with them on how to better provide bases and background information to  
15 the staff. It is my understanding that that working group is also in the  
16 process of forwarding its recommendations to EDO soon on how to better  
17 improve that process. But we had some discussions with them about how  
18 to better include background and bases information in future Management  
19 Directives as a whole so that as we have new staff come aboard, they  
20 cannot only read what the requirements of the program are but really  
21 understand why we're doing it in the first place the way we are.

22 Slide 7 please. The primary sources for potential lessons  
23 learned are most likely to be major event investigations such as action and  
24 review groups and incident investigation teams and EDO chartered task  
25 forces. We will also consider significant recommendations from the Office



1 of Inspector General and the Government Accountability Office reports.  
2 Other sources are possible so the EDO can also enter issues at his  
3 discretion.

4 The process has criteria for entry and is reserved for those  
5 significant items that we must ensure do not recur. The four criteria are  
6 (1) the item has significant organizational, safety, security, emergency  
7 preparedness or generic implications; (2) is a need exists to institutionalize  
8 corrective action for this item because the failure to do would reasonably  
9 be expected to challenge the ability of the agency to meet any of its  
10 strategic outcomes designated in the Strategic Plan or the corrective  
11 action would substantially improve the safety and security of NRC  
12 employees; (3) a root cause exists or can be identified; and (4) the  
13 apparent resolution is actionable by the agency.

14 COMMISSIONER MERRIFIELD: Mr. Chairman, I don't  
15 want to get into asking a lot of questions as we did in our meeting that we  
16 had here yesterday, but I think a clarification would be helpful for me at  
17 this point in Loren's presentation.

18 You noted that the EDO can enter issues at his discretion.  
19 What process have you included in this if the Commission believes that  
20 there are issues that the staff should look at relative to a corrective action  
21 program?

22 MR. PLISCO: We talked about this when we were  
23 developing the program. Our assumption was that any item the  
24 Commission thought would be polled to the EDO and the EDO would enter  
25 those into the system was our -- I mean that was the assumption that we

1 made if there's anything at the Commission level in their discussions with  
2 the EDO they think should go in that's how it would go in.

3 COMMISSIONER MERRIFIELD: So you fully anticipated  
4 that there could be action items created by the Commission tasked to  
5 EDO through what would typically be a Staff Requirements Memorandum  
6 outlining that.

7 MR. PLISCO: Yes.

8 COMMISSIONER MERRIFIELD: Thank you.

9 MR. PLISCO: Yes, and we knew we couldn't anticipate  
10 other sources. There may be other external sources or other external  
11 groups that may provide issues that would enter and that's why we added  
12 the EDO discretion rather than try to generate a long list. We put in what  
13 we thought were the more likely cases and then the EDO discretion.  
14 That's how we put the program together, but our assumption was that  
15 there would be other sources of items that would come in.

16 We also had a lot of discussion on the criteria and we also  
17 had input on the criteria from the staff and during our bench-marking visits  
18 and in the end, we kept coming back to the Strategic Plan and the strategic  
19 outcomes primarily because they were clearly written and endorsed by the  
20 Commission and we thought the right threshold for the kind of things we  
21 were talking about putting into this program.

22 It's also very important to ensure that we all understand  
23 and I've had some presentations with the staff and this question always  
24 comes up is an item that does not get screened into this program doesn't  
25 mean the agency isn't taking action on the item. For example, in task

1 force reports, all those items in task force reports that go over to the EDO  
2 get tasked out by the EDO through their action tracking system and get  
3 assigned to a lead office for action and those actions are tracked.

4 The only difference we use the term gold-plating when we  
5 were putting this program together. There are some additional rigorous  
6 requirements that we place on the items that meet this threshold to make  
7 sure that the item is institutionalized and the agency doesn't forget and  
8 special care is taken to make sure over the long term, say ten years, that  
9 that item is still in place. So just because something doesn't get screened  
10 in the program doesn't mean the agency isn't going to do anything about  
11 it and I think that's important to remember.

12 The other thing I wanted to mention was during the  
13 process when we were building these criteria the 2005 Hurricane Lessons  
14 Learned Report was being developed and we used the opportunity to take  
15 that report and practice using our threshold to see if we got the right  
16 answers or the answers that we thought were the right answers when we  
17 went through that and the recommendations that came out of that report,  
18 that report was in March of 2006, three items passed the threshold that  
19 were in that report and those had to do with communications, equipment  
20 for staff during emergency to improve the diversity and reliability of  
21 communications, to improve existing natural phenomena response  
22 procedures and to improve consistency in dispatching and accountability  
23 of responders and site staff, those three items.

24 We took our task force and we practiced. We essentially  
25 acted as the oversight board and went through testing out our criteria and

1 those are the three items that passed the filter. And I can talk a little bit  
2 later about what we've done since then, since that report really preceded  
3 the Management Directive, have we gone back to these three items to  
4 capture them in the process.

5 As the program matures, it's expected that additional  
6 potential lessons learned from office level reviews can also be  
7 recommended for program inclusion by the offices and the regions and the  
8 EDO has made it clear to us and our team that his long-term goal is to use  
9 this tool to help encourage self-assessment and continuous improvement  
10 at the staff. So if an individual office does a self-assessment and they  
11 identify an issue that may impact other offices, those items can be entered  
12 into the program, so other offices can look at that same item and see if  
13 they have the same problem or issue in their office.

14 Slide 8 please. To provide management oversight of the  
15 process, the program established a lessons learned oversight board to  
16 review potential lessons learned and apply the entry criteria. Once the  
17 item meets the criteria, the EDO will assign the lead office and the lead  
18 office will be required to develop a detailed corrective action plan. The  
19 components of the corrective action plan include root cause analysis,  
20 proposed corrective actions to address the root cause, an extent of  
21 condition review, a configuration of a management plan, and what that is  
22 is a description of how they're going to make sure that item, be it a  
23 procedure change or a training of staff, how it's going to remain in place,  
24 what their plan is to make sure it remains in place in their normal  
25 processes, the resources needed and the impact on other tasks that the

1 corrective actions would require, a communication plan on how they're  
2 going to communicate to the staff what the corrective action is, and an  
3 effectiveness review plan and schedule. What the office will have to do is  
4 prepare a plan on how in the future they are going to go back and make  
5 sure the corrective actions that they have taken have actually addressed  
6 the root cause of the issue and some success criteria on how they're going  
7 to judge success in the future for that item.

8 Slide 9 please. The oversight board will also review and  
9 approve the corrective action plan. Acceptance criteria are provided in the  
10 Management Directive. The lead office will then implement the plan and  
11 then once the plan has been completed, a closeout package with  
12 supporting documentation will be submitted to the oversight board for final  
13 approval.

14 Slide 10 please. As I said, another feature of the program  
15 is the requirement for effectiveness reviews. As part of the corrective  
16 action plan, the lead office will plan and schedule an effectiveness review  
17 to confirm that the actions have addressed the root cause of the issue and  
18 these items will be assigned and tracked separately.

19 The corrective action, once the closure package has been  
20 submitted by the lead office, will be closed and a new item will be opened  
21 in the EDO tracking system to track because it could be two years out or  
22 it could be six months out. So we'll track those separately, they will assign  
23 the office that action to come back in two years and provide the results of  
24 the effectiveness review.

25 The program also calls for a dedicated program manager

1 to administer the program and as I stated earlier the program manager has  
2 been designated and he's part of the EDO staff. Slide 11 please.

3 COMMISSIONER MERRIFIELD: What is the --  
4 Clarification. What is the grade level of that individual? Roughly.

5 MR. KANE: 15.

6 MR. PLISCO: During development of the Management  
7 Directive, the team found that there was a need for additional detail  
8 guidance to implement the program that wasn't appropriate to put in the  
9 Management Directive. First, we noted that there was no agency  
10 guidance for the formation of assignment of task forces and resolved that  
11 this guidance would facilitate the implementation of the lessons learned  
12 program. So we also prepared a procedure for the EDO for the  
13 development of task force charters.

14 Based on a review of past reports, we provided some  
15 guidance on how to write, construct and prioritize recommendations for the  
16 team. So those recommendations would fit in better with the process that  
17 we developed. The problem that we noted in a lot of past lessons learned  
18 reports is all recommendations were the same in priority. Anything they  
19 found be it very important or just an improvement item would have equal  
20 weight in the report and what we've done is developed some guidance to  
21 help them provide some sense of their sense of priority to the EDO when  
22 they submit their report to help the EDO in taking action on those issues.

23 Second, we developed some preliminary instructions to  
24 the oversight board and the program manager on how to implement the  
25 day-to-day parts of the program and those also were put in an EDO

1 internal procedure.

2 Slide 12 please. So we now have a much more robust  
3 and structured process for addressing corrective actions for significant  
4 deficiencies. The process will screen items for significance, track the  
5 items until completion, require detailed plans to correct the items, include  
6 management oversight and store the history of the finding and action so  
7 it can be retrieved.

8 So what's different about this approach than in the past  
9 is we have more structure and formality and that's provided by the  
10 Management Directive and Handbook in the EDO procedures I mentioned  
11 and it provides a stronger linkage between the root causes and the  
12 corrective actions.

13 There's more senior management involvement. The  
14 oversight board consists of senior managers and they'll review and  
15 approve the corrective action plans. There's a dedicated staff member as  
16 I mentioned, the program manager on the EDO staff.

17 There will be centralized tracking of the corrective actions  
18 using the EDO's tracking system. What's important or what's different  
19 about this is in the past when the EDO assigned actions out of these task  
20 forces they were sent to an office really as one action. The task force  
21 report may have 20 recommendations and the EDO would send that to the  
22 office and there would be one action.

23 So when you go back five years later and try to  
24 reconstruct what happened, it's hard to track the history of each one of  
25 those 20 because of the way it was assigned. So the way we're going to

1 do it now is each individual recommendation will be assigned individual  
2 tracking action from the EDO's office. So then you can track the history  
3 much, much easier.

4 The effectiveness reviews are now part of the program  
5 and they'll be tracked as a separate action. The bottom line is the  
6 program has more focus on institutionalizing the lesson, looking forward  
7 in how we're going to make sure this action is going to stay in place and  
8 providing a retrievable history for the item to see how the action was --  
9 what action was taken, when it was taken, who took the action. So from  
10 the start, actions are developed to last and the office must explain how the  
11 action is going to be kept in place and they'll have to go back and check  
12 to make sure it's still working.

13 COMMISSIONER MERRIFIELD: Mr. Chairman, not to  
14 belabor this today with clarifying questions but I was expecting at some  
15 point you might talk about how this approach is consistent with our  
16 openness goal in our Strategic Plan. Is that part of your discussion?

17 MR. PLISCO: Yes, I'll talk about that when I talk as far as  
18 the feature enhancements and our vision and the IT component that we  
19 think needs to be put in place and how that's going to link up in providing  
20 publicly accessible information on what we've done in transparency.

21 Slide 13 please. What I've tried to do here is just go back  
22 to the original root cause and the original NRR effectiveness review and  
23 just summarize what we put in the program and how we've used those  
24 actions to address the root causes in that report. The first root cause was  
25 there was no corrective action program and we put a program in place that



1 provides much more structure and formality in developing detailed  
2 corrective action plans to address the root cause of significant agency  
3 problems.

4 For centralized tracking, we now use the EDO's  
5 centralized tracking system and ADAMS. We're using ADAMS as the  
6 repository of the documents and as part of the closeout process, the lead  
7 office when they close out the package has to provide those documents  
8 and show where they are in ADAMS so that we have a trail where the staff  
9 can find documents that describe what action was taken.

10 COMMISSIONER MERRIFIELD: Loren, I think ADAMS  
11 has gotten to the point where everybody knows where that is. But  
12 EDATS?

13 MR. PLISCO: EDATS is the EDO's Action Tracking  
14 System, their new tracking system. I mean they put new technology in  
15 place, but essentially it's the same process that was in place before the  
16 EDO assigns actions to the lead offices and assigns due dates and  
17 milestones and they report back on where they are under those action  
18 items.

19 COMMISSIONER MERRIFIELD: I wasn't familiar with that  
20 particular acronym.

21 CHAIRMAN KLEIN: We're acronym heavy here.

22 MR. PLISCO: Yes, and I didn't put the acronym in.

23 COMMISSIONER MERRIFIELD: Too acronym heavy.

24 MR. PLISCO: I did my best to avoid using the acronym.

25 MR. KANE: I'm not sure I have this exactly right, but it's

1 the EDO Action Tracking System, EDATS.

2 MR. PLISCO: The weaknesses in the closeout process,  
3 we now have an approval process for the corrective action plan, a formal  
4 closeout by the oversight board for each recommendation with acceptance  
5 criteria and the effectiveness reviews, the lack of an effectiveness reviews,  
6 we do now use effectiveness reviews as part of our process to ensure the  
7 root causes have addressed the actions and the actions remain in place.

8 I'm going to switch gears a little now and discuss an  
9 additional task we took on to look at legacy lessons learned, to look back  
10 at some historical lessons learned reports. During the teams's  
11 development effort, we determined that the value of the lessons learned  
12 system is significantly enhanced by including relevant historical or legacy  
13 lessons learned information. In addition, we thought there was value in  
14 reviewing the corrective actions from previous lessons learned to make  
15 sure the corrective actions were still effective because effectiveness  
16 reviews had not been conducted on many of our past reports.

17 The team recommended to the EDO that a sample of  
18 those legacy lessons learned be reviewed and we developed a list of  
19 potential lessons learned candidates and actually putting the list together  
20 was a lesson on why we need a lessons learned program because there  
21 was no list. That told us something. There was no list anywhere that  
22 talked about all the historical significant events the agency has gone  
23 through. So that was an exercise in itself putting that list together.

24 And I would say we're still not complete. We're still polling  
25 the staff. We've asked the offices to provide input on showing it to their

1 staff and see if anyone remembers any other things that should be on this  
2 list.

3 CHAIRMAN KLEIN: My guess is that what you probably  
4 found is that you had a lot of lessons learned over and over again that had  
5 not been implemented.

6 MR. PLISCO: Yes, there are a lot of recurring themes in  
7 some of those reports.

8 We developed a template on how we wanted this  
9 information to be submitted by the offices when they did the effectiveness  
10 review and that was to stage ourselves for when we have our IT  
11 component on what kind of information we wanted and how we wanted to  
12 present it to the staff. So when the offices did their effectiveness review,  
13 we asked them to put it in a certain format so that we would have that  
14 ready once the IT component was in place and to help us in knowledge  
15 management in the future.

16 We tested out the template using the Hurricane Andrew  
17 event from 1992. We learned how to do one and the difficulty the staff  
18 would have especially retrieving old documents prior to ADAMS. Anything  
19 prior to 1999 is especially difficult to try to construct the history of what  
20 happened and to find all the correspondence back and forth like between  
21 the EDO and the offices and how issues were addressed and what  
22 corrective actions were taken and it was quite an exercise.

23 Once we assigned this to the other offices, they found it  
24 was quite an exercise too to try to piece this together. Going through this  
25 exercise, it provided some insights on the value that we need to do this.

1 We need to pull this information together especially for these major events  
2 and pull the history together in one place so it's retrievable by the staff.

3 COMMISSIONER MERRIFIELD: For full credit though,  
4 shouldn't it say that the counter is true? It gives you a better  
5 understanding of the value of ADAMS.

6 MR. PLISCO: Yes. ADAMS helps. We selected six  
7 candidates after discussing with the EDO. We provided recommendation  
8 of which six we thought would be of greatest value and provide the best  
9 insight because there are a lot of resources. We knew there was a  
10 resource impact to do these effectiveness reviews and the EDO had  
11 tasked those in January 2006. Those were completed this year and we  
12 reviewed the reports and we prepared a summary report to the EDO on  
13 the results of this and I'll talk about that in a few slides.

14 Slide 15 please. These are the six legacy events that we  
15 conducted the effectiveness reviews on and were assigned to the offices.  
16 The Vogtle loss of vital AC power, that was 1990. Indian Point 2 steam  
17 generator tube failure, that was in 2000. A potential criticality event at  
18 General Electric Nuclear Fuel, that was in 1991. The loss of an iridium-  
19 192 source and therapy misadministration at Indiana Regional Cancer  
20 Center, that was in 1992. Hurricane Andrew as I mentioned was 1992.  
21 And unauthorized forced entry into Three Mile Island, that was in 1993.

22 And those are the six events. We wanted a cross section  
23 of different kinds of events and impact on different offices because we  
24 assigned these to three different offices to do these reviews.

25 Slide 16 please. These are the overall conclusions of the

1 six reviews that we conducted. We didn't identify any outstanding safety  
2 issues that were associated with the reviewed reports. There were no  
3 significant deficiencies in the effectiveness of the corrective actions that  
4 were identified, however, we did find when we did the 2005 Hurricane  
5 Season Task Force Report - and I guess I should explain.

6 We did this on purpose the effectiveness review. We  
7 picked Hurricane Andrew because we knew the 2005 Hurricane Season  
8 Lessons Learned Task Force was going on. So we asked them as they  
9 went through the review to go back and look at the lessons learned from  
10 Hurricane Andrew and see if any issues recurred and that's how they did  
11 that effectiveness review. They did identify one of their issues did recur  
12 and that had to do with communications with the staff and the site and the  
13 loss of communications and that was a recurring item.

14 The staff also identified several areas where additional  
15 review may be warranted for some of the corrective actions that involve  
16 licensee actions and two examples that I'll provide, both of these had to do  
17 with the Indian Point 2 steam generator tube issue. There was one  
18 recommendation in the report that had to do with the tube integrity  
19 program. The licensee's steam generator tube integrity program had  
20 some deficiencies that should have been addressed. When staff went  
21 back and looked at the documentation and our review, they couldn't  
22 confirm that we had conducted any inspections to verify that program had  
23 included those elements.

24 In addition, there was an action item to develop a process  
25 for getting an independent technical assessment of a safety evaluation

1 with the Office of Research was one of the recommendations and when  
2 they went back, there was actually action being taken to address that but  
3 it wasn't in anyone's tracking system and milestones had not been  
4 established and the action had not been completed yet for those two  
5 items. Since identification of these two issues, NRR has entered those  
6 into their own corrective action program to make sure those two items get  
7 addressed.

8 Slide 17 please. Overall, we did learn some lessons doing  
9 these effectiveness reviews and we rolled these lessons back into the  
10 development of our process before we issued the Management Directive.  
11 The reviews were worthwhile from several perspectives. One, we did  
12 identify some items that we needed to go back and look at what we did for  
13 the corrective action. There was some knowledge management value-  
14 added. We heard back from the staff about they put some new staff on  
15 some of these and they really learned a lot about some of the programs  
16 we have in place and why we have those programs and learned about  
17 these major events that happened in our history.

18 I mentioned difficulty in locating documents. It was very  
19 difficult especially prior to ADAMS and it is going to be a significant task  
20 to go back and look at some of these old items because of the difficulty in  
21 retrieving the documents and even finding the right documents is difficult.  
22 It's very labor intensive.

23 We also learned that when you do an effectiveness review  
24 it's important to balance independence and the knowledge about the  
25 issue. Some of these issues happened ten years ago and when we went

1 back and did the effectiveness review, in some cases, we had to find staff  
2 that knew something about the event to try to piece together the history  
3 because we couldn't piece, we couldn't find all the documentation or you  
4 couldn't find a good documentation trail.

5 So in some cases, the offices had to find people that were  
6 involved with the issue to try to reconstruct what happened and what  
7 action we took and why we took that action and what we're doing today to  
8 continue that action. So they had to interview staff that were involved in  
9 those lessons learned and implementations of the corrective actions to  
10 find the whole story because they couldn't find it in the documentation.

11 The flip side is if you're really doing an effectiveness  
12 review and asking yourself the question did we really fix the problem, it  
13 may not be appropriate to ask the person that did the fixing. You may  
14 need some independence to make sure it's an objective review as far as  
15 whether that corrective action was successful over the long haul.

16 So we put some discussion in the Management Directive  
17 about when an office puts together an effectiveness review plan, they  
18 need the balance, provide the proper balance for that and that's something  
19 the oversight board when we see the corrective action plans will look at,  
20 is the right balance being provided when you do the effectiveness review  
21 to make sure you get an objective review, but also you have individuals  
22 that know what they're looking at and are knowledgeable to make a  
23 judgment on whether it was successful or not to make sure we have that  
24 balance.

25 The other item we noted, and this is in particular to the

1 legacy reviews, is the environment and changes in the regulatory process,  
2 changes ten or fifteen years afterwards. So if you do an effectiveness  
3 review the environment is completely changed and you have to take that  
4 into account. It may have a significant impact on how you look at whether  
5 it's effective or not.

6                   Probably the best example is the Three Mile Island  
7 security event. You know everything that's happened since then that is  
8 kind of overcome by events now as far as the way the regulatory  
9 infrastructure is set up now and the requirements. That event really  
10 doesn't have the corrective actions taken then. We've done much more  
11 than that now. So you really can't go back and do an effectiveness review  
12 of that specific corrective action because we've done a lot more since  
13 then.

14                   The last point I wanted to make is the view of importance.  
15 If you go back and look at events that are ten or fifteen years old, we've  
16 learned a lot about what's significant. We have a lot of risk tools now in  
17 place to make a better determination of what's important. Some things  
18 that may have been important fifteen years ago if you put them through  
19 some risk tools now they may not be important. So when you're deciding  
20 what to look at and how you look at some of these things in the past, that's  
21 just a factor you have to account for.

22                   COMMISSIONER MERRIFIELD: Did you identify the  
23 opposite as well?

24                   MR. PLISCO: Yes. And I should say that. The opposite  
25 is obviously true because some things, we didn't have those risk tools in



1 place at that time. That could be also.

2 But the point, to go back to what I mentioned before, there  
3 wasn't a priority scheme in place in the past and all recommendations  
4 were equal and it does make it difficult looking back at all the  
5 recommendations in all these reports especially when you're talking about  
6 the significant impact and assigning resources. So we took that into  
7 account. After we looked through this pile of these six legacy lessons  
8 learned in our recommendations to the EDO, we took that into account.

9 The specific recommendations we made to the EDO were  
10 that we need to conduct additional legacy effectiveness reviews in fiscal  
11 '07. However, we should limit the scope of the effectiveness reviews so  
12 those recommendations meet our program criteria. What we did in these  
13 six cases is these reviewers went back and looked at every  
14 recommendation in those reports and part of the feedback we got from the  
15 staff was there were items, really just improvement items or good ideas of  
16 things to look at, but to go back now and expend the resources to do that  
17 may not be the best use of resources. So before we assign offices  
18 additional legacy reviews, we ought to filter out which ones they should do  
19 and which ones they shouldn't do as far as expending resources.

20 We also noted that we do need to budget resources in the  
21 out years if we want to conduct additional reviews because it is a  
22 significant resource impact on us especially for these older items to find  
23 the information and pull the story together. So if it's deemed appropriate  
24 that we need to do more in the future we need to include that in the budget  
25 process.

1                   And the last point we made and I'll talk some more about  
2 this in a minute is we need to integrate the results into our knowledge  
3 management program, our agency knowledge management program, and  
4 how to take that information we've gained from these reviews and make  
5 sure we provide that information in a way that's useful to the staff.

6                   Slide 18 please. The base program is now in place with  
7 the management directive and it will address the root causes in the NRR  
8 review and the follow-up from Davis-Besse. However, for the long term,  
9 we need some enhancements for the program to add the most value to  
10 the staff and there are three items I would mention.

11                   The first is configuration management. As an agency we  
12 need to do a better job on linking procedures and bases. I talked about  
13 what we did in our procedure in the Management Directive to provide  
14 some of that information to the staff and I know the Management Directive  
15 task force is looking at that issue and how to better do that in the future  
16 and provide some background information or at least a reference or  
17 source of the information so the staff can find why are we doing it this way  
18 so they can understand that. It's also important when someone five years  
19 from now wants to change those procedure, they know what they're  
20 changing and why it was there in the first place so they can understand  
21 that.

22                   Knowledge management, our vision is the tool we're going  
23 to build with our IT component of this to provide all this historical  
24 information on these lessons learned and the corrective actions is to  
25 provide one tool to help the agency enhance their knowledge management

1 program. It will improve traceability so the staff will be able to go back and  
2 find the detailed information on what happened and what corrective  
3 actions were taken and why we're doing business the way we are today  
4 because of this feedback.

5 And we also want to summarize the information in a new  
6 way. If you go back and collect all the information on some of these  
7 lessons learned, you get a huge stack of paper. But there's not a one  
8 paragraph summary or a one-page summary at a high level so that  
9 someone from the staff can just read what happened and what did we do  
10 about it. That kind of summary information isn't available today and we're  
11 hoping this web-based tool we want to develop will have that information  
12 so the staff can find that.

13 And the web-based system as I mentioned is really the  
14 key we think to helping out in the knowledge management area and it will  
15 help us address the providing, making, this information accessible to the  
16 public. The public accessibility is to provide this historical information of  
17 what happened, what actions did the agency take and a story, really a  
18 story, of what happened so it's available to the staff and to the public and  
19 it describes the specific corrective actions that we took. And our vision is  
20 that system would use the abilities or the information we already have in  
21 the EDO's tracking system and ADAMS and I'm not an IT expert and that's  
22 why Ed is here. It's to provide a tool that can pull that information up so  
23 you only have to go to one place to get the information and not do what we  
24 had to do to go to find all this information. So we want to put it in one  
25 place so the staff can pull it up just once and have access to whatever

1 level of detail they need for their specific task and have that information  
2 accessible to them.

3 COMMISSIONER MERRIFIELD: But for clarification  
4 purposes, the EDO's tracking system, EDATS, would not be a publicly  
5 available system. So it would have to be a case of there would have to be  
6 a parallel explanation for the purposes of the public to understand what  
7 some of the corrective action issues that are entered into that log and the  
8 way that we're tracking without a complete duplication because it's a lot  
9 more detail than the public would need. But presumably there would have  
10 to be some mechanism to provide some level of that information for the  
11 public to understand.

12 MR. BAKER: The comment that Loren made earlier is  
13 that these documents are intended to be in ADAMS unless we find that  
14 there is some portion that is too sensitive to put there. We are currently  
15 working on a prototype which we have tested which actually links  
16 documents through hyperlinks within ADAMS such that you could start  
17 with the charter that the EDO issues. You could then link down to  
18 whatever the next document is whether it's the report, any correspondence  
19 between the team and the EDO.

20 You would then link down from the recommendations to  
21 the tasking and then link down to the responses. So you could start at the  
22 top or in the middle and find any of the documents very easily. So a  
23 member of the public provided the agency decides this is a public  
24 document can find all of that.

25 Now with respect to if you had the tasking memos in there

1 that go out the public could then see what was tasked, when it was  
2 assigned. They could then see the next document down which is the  
3 response. To do the type tracking that you were talking about would  
4 require something separate. That was not my understanding of the intent  
5 that the team had come forward with.

6 There were really three pieces. Tracking from an internal  
7 standpoint which the EDO tracking system, the new EDATS, can do, and  
8 is intended to roll out down to all of the offices so we have one tracking  
9 system for the agency. The second piece is the one I just talked about  
10 which is the ADAMS linking of documents so that you can easily find all of  
11 the pieces. The third piece was a web-based search and that's the piece  
12 we're still looking at because we do have a web-based search capability  
13 now in ADAMS. As we go forward with the next version of ADAMS and as  
14 we go forward with conversion to Microsoft products, we'll have to look at  
15 the interaction between EDATS and ADAMS and can you provide a more  
16 direct link there.

17 COMMISSIONER MERRIFIELD: I'm sorry. I didn't mean  
18 to -- this is a clarification for me and it's not quite in that direction.

19 CHAIRMAN KLEIN: It almost seems like yesterday.

20 COMMISSIONER MERRIFIELD: It does and I don't want  
21 to go there and I'll follow up on this in my questions. What I was really  
22 getting at is if a member of the public wanted to look at our website and  
23 find out what are the top ten priorities for our corrective action program  
24 and how are they prioritized, what you've described to me doesn't meet  
25 that. What you've described to me is a series of taskings on individual

1 lessons learned and following through on those rather than some kind of  
2 document that wraps them together, but I'll stop.

3 MR. PLISCO: Our vision is you go to a first page and it  
4 lists all the lessons learned by topic and we may sort them a certain way.  
5 Then you can select one of those. Then it has a summary.

6 COMMISSIONER MERRIFIELD: Not just lessons  
7 learned. Items that we have on our corrective action program.

8 MR. PLISCO: Right.

9 COMMISSIONER MERRIFIELD: And those aren't the  
10 same.

11 MR. PLISCO: The historical ones will be considered as  
12 closed.

13 COMMISSIONER MERRIFIELD: The historical lessons  
14 learned and then there is what is the agency's corrective action program  
15 going forward.

16 MR. PLISCO: Right, and our intent is to have all that --

17 COMMISSIONER MERRIFIELD: -- looking at that to  
18 determine what we are prioritizing is the same as we need to fix.

19 MR. PLISCO: Slide 19 please. We still see a few  
20 challenges in the future as we continue to implement this program. One  
21 is change management. To be successful, we will continue to need  
22 management's commitment and support to implement this program and  
23 we need to demonstrate the value of the program to the staff and part of  
24 that is this IT component, I think. To provide value to the staff in their day-  
25 to-day business, we'll need that IT component to complete that.

1                   It's also important to note that -- we have a lot of Type A  
2                   people in the NRC and that we like finishing corrective actions and  
3                   checking them off the list and moving on and we need to look at some of  
4                   these problems in a different way with this program and that's part of my  
5                   change management speech too. We not only need to get it fixed but look  
6                   at how we're going to keep it fixed in the future and when we look at the  
7                   corrective actions, make sure our corrective actions address that  
8                   perspective also. That will be different but we need to address them for  
9                   the long haul.

10                   The legacy issues, I've talked about. We still need to look  
11                   at additional legacy items to verify actions are still effective and to increase  
12                   the information we're going to provide to the staff on some of the historical  
13                   issues. And we will need staff support and office support because it is  
14                   resource intensive to go back and do this verification process and pull this  
15                   information together.

16                   But it's important with the many new staff we have coming  
17                   on board. I think it's important we pull this information together to make  
18                   it available to the staff so they can see what's happened in our history and  
19                   why we're doing business the way we do now.

20                   Slide 20 please. The primary goal of the program is to  
21                   prevent recurrence of significant problems. We also have additional  
22                   opportunities to use this program in the future. It will help us encourage  
23                   the culture of continuous improvement. We plan to integrate this program  
24                   with and support the agency's knowledge management initiatives and I  
25                   think it provides valuable information from that perspective and to

1 encourage self-assessment in the NRC offices and share problems and  
2 solutions.

3 Slide 21 please. Summary. We learned from Davis-  
4 Besse that we need a better way to ensure important agency lessons  
5 learned or institutionalize the corrective actions are effective. We've  
6 implemented a program now to screen, track and document and store the  
7 corrective actions from these important lesson learned and to provide  
8 additional future value to the staff we need to integrate this information into  
9 the knowledge management program and provide easy access to this  
10 information. And that completes my presentation.

11 MR. KANE: That completes the staff's presentation.  
12 We're ready for questions.

13 CHAIRMAN KLEIN: This is always the fun part. If you  
14 look on Slide 15, you had shown your six examples that you went through  
15 and took a look at. Were there any other examples that you might have,  
16 that didn't cover all the issues? In other words, these six were pretty broad  
17 you thought. Are there any other reviews out there that might have added  
18 something that we needed to look at that you didn't catch?

19 MR. PLISCO: Yes. We've talked to the EDO's office  
20 about it. We think -- from two perspectives, we think there are other  
21 issues that are worthwhile to go back and look at and one of the ones  
22 we've been talking about recently is South Texas and I have personal  
23 interest in it because that had to do with some construction issues at  
24 South Texas, to go back and look at those lessons and see how we've  
25 implemented those corrective actions. Now that we're looking forward at



1 our new construction inspection program, we ought to make sure those  
2 lessons have been incorporated into our program. That's one example,  
3 but there are others on the list that we think that would be of value to go  
4 back and look at and that's why we're recommended to the EDO that we  
5 do some more.

6 MR. KANE: I think a broad category would be any of  
7 those in which the agency put together an incident investigation team to  
8 look at plant issues. Pretty much all those would fit into that category.

9 COMMISSIONER MERRIFIELD: Mr. Chairman, if they're  
10 going to look at South Texas which did get built and operated, we may  
11 want to think about Zimmer and Marble Hill which didn't.

12 CHAIRMAN KLEIN: There's probably a whole category  
13 of construction issues that one should look at as we're looking forward to  
14 some issues and I think that's --

15 MS. CYR: In South Texas, there was a lessons learned  
16 task force to go back and look at the problems.

17 MR. PLISCO: Right. Our list right now is things we have  
18 formal documents where reviews were done, detailed reviews and there  
19 may be things like that. We may or may not. I don't know if we have one  
20 on that.

21 CHAIRMAN KLEIN: But I think it's just probably outside  
22 of this particular subject area. As you look at moving forward on  
23 construction, it probably would be a big issue to cover those plants that  
24 also had some challenges, not just South Texas, but as you look certainly  
25 with Region 2's responsibility for new construction. One of the things, we

1 get back to lessons implemented and seeing Mel back there, I can't help  
2 but say one of the lessons implemented that we should look at as I've  
3 been in a lot of exercises, participated in a lot of exercises, and it seems  
4 like a lesson learned is we always lose communication. I don't believe  
5 while I've been here, I haven't had a lot of exercises that I've participated  
6 in where we're linking up with other plants. But as you look forward look  
7 at communication because we drop signals a lot and we lose people we're  
8 talking to. So that's one lessons implemented that we should look at.

9 MR. PLISCO: Yes, and I mentioned the recurring item  
10 from the 2005 hurricane season was, and that was more specific to loss  
11 of communication with like the resident staff. Our own people, we lost  
12 communications with. We lost the land lines and in the current satellite  
13 system we have, you have to step outside to use it and in a hurricane  
14 you're not going to step outside. So there's a time period you're likely to  
15 lose communications with and that's one of the issues that we're looking  
16 at and is there a better solution out there to maintain communications.

17 CHAIRMAN KLEIN: On slide 18, you talk about future  
18 enhancements. You talked about configuration management, knowledge  
19 management. What are your metrics because it's good to have these  
20 enhancements, but it's also important to – in all of these activities, how do  
21 you know how you're doing. So what are your metrics that you measure  
22 yourself on configuration management, knowledge management and web-  
23 based automation? Do you have a metric chart that let's you know how  
24 you're doing?

25 MR. PLISCO: We haven't yet. We've talked a little bit

1 about some potential metrics in our bench-marking visits when we met  
2 with other agencies and companies that did a program like this and looked  
3 at their metrics. We actually put some proposed metrics in the  
4 Management Directive as an attachment in the Management Directive.  
5 They don't all focus on these components of the program. Some of them  
6 looked at the process itself and how we're managing the lessons learned  
7 program itself.

8 But for example in the knowledge management area, we  
9 put these metrics in the Management Directive. It had to do with how  
10 often people access the system, how often it's used, how many repeat  
11 customers do you have, those type of metrics on the usage of the system  
12 once you put it in place. We don't have it in place yet, that part. But once  
13 we put it in place, those are some potential metrics that we can use and  
14 we put some of those in the Management Directive already.

15 CHAIRMAN KLEIN: I would just encourage you to look  
16 at metrics because if you don't have a way to measure you never know  
17 how you're performing.

18 This was discussed a little bit, but obviously with both --  
19 I think Davis-Besse was one that sort of highlighted some weaknesses,  
20 both with the industry, INPO, and the agency. How do you plan to  
21 communicate to the public the results of this study so that the public will  
22 get greater confidence that we're taking lessons learned, making them into  
23 lessons implemented so that they'll have greater confidence. Do you have  
24 a communication plan that lets the public know?

25 MR. PLISCO: We have a communication plan. The focus

1 up to this point has been communication to our own staff and our own  
2 management on what we're doing and the progress of the development of  
3 the program. We haven't gotten to that step and part of that is I don't have  
4 the IT component so they can see it yet. We've talked about how we  
5 would roll that out to the public and communicate to the staff, but we  
6 haven't gotten to the point where we've written that yet because obviously  
7 we don't have anything to show them yet other than really the documents  
8 that we've provided to the Commission. That's really all that's been in  
9 public domain so far.

10 CHAIRMAN KLEIN: Obviously internal is where you'd  
11 first start. Coming behind that would be the public and then you might look  
12 at special public like our elected officials that would have an interest. So  
13 as you look at your communication plan, look both beyond the internal.

14 Commissioner Merrifield.

15 COMMISSIONER MERRIFIELD: You talked about  
16 knowledge management and I'm wondering to the extent you've discussed  
17 how that's going to integrate with our training programs particularly for our  
18 new employees because it seems to me that's one of the places that we  
19 may have had some gaps previously. We've sort of identified that senior  
20 staff understands. The Commission understands it, but the folks we have  
21 whether they're in the TTC or now down in Bethesda whether they're  
22 actually getting that out to the folks who are really having to implement that  
23 on the front lines.

24 MR. PLISCO: I would answer it first by saying our  
25 expectation would be when a specific recommendation involves training

1 of the staff for that specific action in the corrective action plan that the  
2 office submits that the oversight board will review and approve will look at  
3 those components. Is it the type of information or action that needs to be  
4 communicated to staff and is it going to be included in the training  
5 program?

6 The other aspect, maybe that's what you were asking, is  
7 in the end after we've completed the corrective action, how do we tell the  
8 staff about what happened with the event and part of our vision with the  
9 IT component is when we have that available, it's accessible to anyone  
10 that they could find that information and if it needs to be rolled into the  
11 training programs on specific topics and we've talked about that, Marty and  
12 I have talked about that, how we can better link because there isn't a close  
13 linkage at this point on how we do that and we need to develop that.

14 COMMISSIONER MERRIFIELD: Well, it seems to me  
15 we'd better do that because you know at the end of the day we evaluate  
16 corrective action programs of our licensees. You do it all the time as the  
17 Deputy Regional Administrator and the basis for that is going in and saying  
18 okay, are you identifying the problems, problem identification, do you have  
19 a plan to prioritize their action and to resolve those the first time the right  
20 way in order to have safe operations at the units. The philosophy, I think,  
21 from what I've gotten today is you're trying to do the same thing. The leap  
22 that seems to me we have to make is taking it from something that is  
23 identifiable and embraced by senior staff and the Commission to a point  
24 where each and every one of our staff in the agency embrace and  
25 understand that program and we're implementing that up and down

1 through our chain. I think that's where like we evaluate our licensees and  
2 the effectiveness of their corrective action programs, that to me is a  
3 reflection we'll have to have back on ourselves in terms of the success of  
4 this program and starting first line right in the training programs it seems  
5 to me that's going to have to be an integral part of it.

6 MR. VIRGILIO: Commissioner, if I might add. I agree  
7 with you completely. Loren in his presentation has focused on two  
8 elements of knowledge management, knowledge recovery and the IT/IM  
9 systems.

10 COMMISSIONER MERRIFIELD: Right.

11 MR. VIRGILIO: But if we look at Hurricane Rita and  
12 Katrina for example the staff in response to the tasking has developed a  
13 hurricane response action plan, a new procedure that we have. We've  
14 trained the staff on that procedure and there is going to be periodic  
15 refresher training on an annual basis for those procedures.

16 Furthermore, what we've done is in our strategic work  
17 force planning tools, we've actually identified a new category of skills,  
18 emergency response. That's going to foster targeted recruiting and that's  
19 also going to spawn some training programs. All this links back to  
20 hurricanes and the lessons that we've learned through this effort.

21 COMMISSIONER MERRIFIELD: Yes. That's all fine. I  
22 think that's all positive, but I think again I'm harkening back to what we  
23 expect of our licensees and the standard expectation of a licensee is you  
24 have a senior most manager of those utilities, whether it's the CEO or the  
25 CNO depending upon the utility, gets up in front of an all-hands meeting

1 and says this is what we expect for our corrective action program and this  
2 is the part in which we expect each and every one of you at the plant and  
3 folks who are supporting folks at the plant to incorporate that and I think --  
4 I mean I don't criticize anything you've done here, but it seems to me the  
5 evaluation we have to make from this side of the table on the effectiveness  
6 of what you have as a program is going to have to get to that point where  
7 a clear demonstration is made from the Chairman or the EDO to the  
8 entirety of our staff, this is what we expect coming out of this and this is  
9 how we expect our staff to go. That's an editorial comment.

10 On a question related to that, you've done a very good job  
11 internally of looking at how we've done this, looking at lessons learned,  
12 how we craft a corrective action program. Have we considered outside  
13 comments by our licensees for example who do run corrective action  
14 programs, INPO which evaluates corrective action programs or any of our  
15 other stakeholders, Dave Lochbaum or other interested parties, to get their  
16 input on we're proceeding in our corrective action program and does it  
17 meet their expectations of what we ought to be doing? Have we done that  
18 yet? Do we have a plan for it?

19 MR. PLISCO: Not yet. When we developed the program  
20 we had, we call it bench-marking, but we outreached to several other  
21 Federal agencies, we picked several utilities, both from the commercial  
22 reactor side and the fuel facility side to look at their corrective actions and  
23 talk about common issues of how they address issues and we used that  
24 information when we developed our program.

25 Specifically we looked at one agency that had an GAO

1 audit on their lessons learned program and had a lot of comments on their  
2 program and we went back to talk to them on how they addressed those  
3 comments and how they incorporated those comments into their revised  
4 program. So we took lessons from other Federal agencies and other  
5 similar programs and some commercial programs and then we actually  
6 met with INPO, and we talked to INPO not their programs involved with  
7 licensees, but their own internal program and how they looked at lessons  
8 learned and we met with them on their program.

9 COMMISSIONER MERRIFIELD: Well, and I applaud all  
10 of that. I think in terms of the information gathering you've gone precisely  
11 the way I would have if I were heading it up I would want to do it. But the  
12 flip side of it is having and I know you want to get this aligned in the way  
13 you feel comfortable about opening it up to the world, but I do think at  
14 some point whether it's NASA, whether it's FAA, whether it's INPO,  
15 whether it's other entities, I think we should expose ourselves to some  
16 outside commentary to make sure that what we've interpreted from what  
17 we've learned and the program that's been put together does have the  
18 robustness and will drive and hopefully increase the appreciation for what  
19 we're doing.

20 CHAIRMAN KLEIN: Commissioner Jaczko.

21 COMMISSIONER JACZKO: Commissioner Merrifield  
22 raised a good point about the issue of training and I was just remembering  
23 that at the November meeting where we talked about lessons learned I  
24 think I asked the specific question to Luis. Luis isn't here so I'll guess I'll  
25 follow up with maybe Loren or, Bill, you can try and answer it, specifically,



1 on what we were doing with Davis-Besse. At the previous meeting, Luis  
2 mentioned that we had a lot of new staff coming in and many of them, I  
3 think the phrase he used, were either not born or in diapers at the time of  
4 Three Mile Island. So we put together a training module to teach them  
5 about what happened at Three Mile Island and I asked the question at the  
6 time, have we done a similar thing for Davis-Besse. So I guess I'm  
7 wondering and at that time there was no plan to move forward or to  
8 develop a training program or a video or some kind of thing for Davis-  
9 Besse. I'm wondering if we have that or if that is in the works as part of  
10 again this idea of learning the lessons, correcting the action and then  
11 training people and incorporating it into our knowledge management  
12 program.

13 MR. KANE: I could take a stab at it in terms of what we  
14 try to do. I think Davis-Besse, for example, I think all the regions, all the  
15 regional administrators have talked about Davis-Besse to their staff and  
16 the lessons learned from Davis-Besse and how they're applied. You  
17 know, a good example is -- and are they lasting? A good example I think  
18 was I went up to Region I last week I guess it was and attended one of the  
19 Division of Reactive Projects morning meeting and they visibly had some  
20 of those lessons actually present in terms of having all the plants there  
21 tracking, for example, one of the issues was to be able to take these long-  
22 standing issues that were occurring day after day where you had some  
23 unidentified leakage, maybe it didn't trip any tech spec limits, and they did  
24 that. And the other regions do it as well.

25 Another thing that --

1                   COMMISSIONER JACZKO: I guess I'm more interested  
2 in really for new employees and what we do with new employees coming  
3 in. Do we have a specific module on Davis-Besse where we walk them  
4 through – here's what happened, here's the corrosion in the vessel.  
5 Pictures, the whole sense of this was a major incident in the agency and  
6 the agency's history and really just exposing people to this is the kind of  
7 thing you need to be aware of as a specific example.

8                   MR. KANE: Maybe Loren can help me out. I'm not aware  
9 of any specific module, but the senior management team goes out to the  
10 counterpart meetings where you have all of the residents and all the other  
11 inspectors and we go through all of the historical events. We go all the  
12 way back. I've made a presentation to all the regions on plant events that  
13 go into the `70s and beyond which obviously TMI is part of it.

14                  COMMISSIONER JACZKO: I think, Mike, you want to --.

15                  CHAIRMAN KLEIN: I think we might have a comment.

16                  MR. WEBER: If I could, Mike Webber from the Office of  
17 Nuclear Reactor Regulation. As you may know, our office recently  
18 implemented a new qualification program and we do have specific training  
19 as part of that on Davis-Besse lessons learned and other significant  
20 events that have come up and we've learned from. So it's our intent that  
21 as we move forward with the lessons learned program that it is a feeder  
22 into that qualification training. We do need all of our staff to have that  
23 information because it's very important.

24                  COMMISSIONER JACZKO: Thanks. I think the staff has  
25 done a really good job putting this program together. I think it is a good

1 program. I think one of the key elements of this program though are these  
2 criteria of how we determine whether something gets into the lessons  
3 learned oversight board, I believe, if I got it right. I always think it's useful  
4 to look at these things in the context of a example and I think right now  
5 about the same time this program was completing we had, Stu is back  
6 there, we had Tritium Task Force that was wrapping up and certainly it  
7 was to my knowledge one of the first programs that has gone, or task  
8 force that has gone through the lessons learned and I was somewhat  
9 surprised to learn that it didn't meet the threshold for getting into the  
10 corrective action program.

11 This was a program that I think we would all acknowledge  
12 had minimal safety significance. It has taken up a tremendous amount of  
13 resources for this agency, has generated a tremendous amount of public  
14 interest and has really caused us to work and do a lot of things. I think  
15 that would be a program that would behoove us to learn some lessons  
16 from or that task force. And the task force, I think, was very  
17 comprehensive and there were a lot of good recommendations that came  
18 out of it.

19 So as I look through the response coming back from the  
20 lessons learned oversight board, getting the "O" right, it seemed to me that  
21 almost every recommendation met two of the criteria which was root cause  
22 exists or can be identified and resolution is actionable. So those seem to  
23 be a fairly low threshold.

24 Some things and I think appropriately so met the  
25 significant implications and they seem to be just as I look through those

1 seem to appropriate. Not a single one met the challenge of strategic  
2 outcomes and if I look at some of these items, I think I'll take one. One of  
3 them was require adequate assurance that leaks and spills will be  
4 detected before radio nuclides migrate offsite. I mean that was the crux  
5 of the problem was that we weren't aware of this. That one didn't meet  
6 any strategic outcomes. So as a result, that recommendation didn't meet  
7 and didn't get into the corrective action program. That would be one that  
8 I would certainly think is one that we might want to get into the corrective  
9 action program.

10                   So I don't raise this necessarily with any conclusions in  
11 mind other than I think that some of these should perhaps be in there, but  
12 again it just gives a specific example, I think, of maybe how these criteria  
13 are working and are they really the right criteria or are they working  
14 effectively to really get us the outcome that we want because again this is  
15 a program, as I said, that has taken a lot of resources in this agency,  
16 created a lot of public interest, I think that it would be a failure of our  
17 corrective action program if immediately we came out and we had this  
18 hearing today and then somebody asked a logical question, what about  
19 the Tritium Task Force, anything get into the corrective action program  
20 from that and the answer right now is no. So I think that's something that  
21 we may want to take a look at and certainly as Commissioner Merrifield  
22 suggested the Commission may want to have a voice sometimes in some  
23 of these things and this may be an area for the Commission to take a look  
24 at, this particular task force, some of these recommendations perhaps  
25 rising to that threshold.

1 MR. KANE: Could I respond?

2 COMMISSIONER JACZKO: Sure.

3 MR. KANE: First, we have tasked each individual  
4 recommendation out of that report in the October 20th tasking from the  
5 EDO to the applicable office directors to address each of those  
6 recommendations. Each has an assigned due date and each has an EDO  
7 action tracking system number and a due date for which it has to be  
8 completed. So all of those recommendations are being dealt with and will  
9 be accomplished on those schedules or thereabout.

10 But I would like to have Jim Wiggins who chaired the  
11 Lessons Learned Oversight Board address the more general question of  
12 why none of those rose to a level that --

13 COMMISSIONER JACZKO: Sure, and if I could just,  
14 before he does that and I appreciate that. I think this is an important issue  
15 and I understand that all of these are in the EDO tracking system, but I  
16 think the idea with this program is that things that go into the EDO tracking  
17 system, there are lots of things in the EDO tracking system. One of the  
18 first things that happened when I became a Commissioner was I asked a  
19 question about updating guidance documents and Reg Guides. Lots of  
20 those things are always on people's lists and they're always on people's  
21 desks and they're always on their minds, but they're not always getting  
22 done and I think that's really -- well, the important thing is those things are  
23 in the EDO tracking system. Every year we're faced with budget  
24 challenges, we're faced with resource constraints and so some things that  
25 are tracked, due date slip, priorities get shifted and changed and the idea

1 of this corrective action program is to keep things that are important on the  
2 front burner. And again, I would have just thought some of these  
3 recommendations from the Tritium Task Force would have met that  
4 criteria. If we could go a little bit longer on my time, I would certainly  
5 appreciate it.

6 MR. WIGGINS: I can keep this very quickly. Let me just  
7 try and give you a view of what was happening in the board meeting. First,  
8 I agree with you. These determinations, they look objective, but they're  
9 always going to be fundamentally subjective.

10 That's why there's a board and that's why the board  
11 people are the senior people that they are. It's the best judgement people  
12 who have been around awhile. They've seen things. A number of us, at  
13 least Loren and I, have managed programs in the region. We have been  
14 up and down licensees' corrective action programs. We know what the  
15 problems tend to be.

16 So we applied the criteria. But understand also  
17 philosophically we approached this question on this particular matter, the  
18 Tritium Task Force, with an understanding that there would be a tasking  
19 for the EDO. There would be actions that the offices would take. We  
20 asked ourselves would any of these qualify for needing extra oversight, the  
21 added oversight provided by the program, the added discipline of walking  
22 corrective actions through a board rather than satisfying the EDO in a  
23 straight line chain. We came out where we came out and I would agree  
24 with you. You can look at it another day and a person could come out  
25 differently on it.

1                   That's what guided our conclusion. We tried to apply the  
2                   criteria as best we could given our experience with the underlying  
3                   assumption was that these things would be corrected.

4                   COMMISSIONER JACZKO: I appreciate that and as I  
5                   said, I think the reason we have the corrective action program is to give a  
6                   different sense of surety that those things will get corrected and that the  
7                   priority is that they won't get shifted and pushed back and the time it takes  
8                   to get them corrected will not move too far. But again, I appreciate the  
9                   response.

10                  MR. PLISCO: And may I add one more thing.

11                  COMMISSIONER JACZKO: Sure.

12                  MR. PLISCO: The other thing we built in our program is  
13                  an annual assessment, an assessment process. We knew it was new and  
14                  a lot of these issues we have been debating about a year and we made  
15                  a decision and put it in the Management Directive. But as we go through  
16                  this process to relook at it once a year and we've assigned the task to the  
17                  program manager to take input from the offices and from the oversight  
18                  board and once a year look back and say is it working the way we think it  
19                  should be working and do we need to change parts like the criterion and  
20                  that's something we could look at. Is it working? Is it giving the answer  
21                  that we expect and to look back. So we have that part of the process too  
22                  to go back and look at is it working.

23                  COMMISSIONER MERRIFIELD: Mr. Chairman, I don't --  
24                  I appreciate the issue that Commissioner Jaczko is raising. I have enough  
25                  information from what the staff has given me right now to make a

1 judgment call about whether if you wanted it in a SRM coming out of this  
2 meeting that the staff should include this in the corrective action program  
3 and it may well be what we may need to do subsequent to this meeting is  
4 have Jim Wiggins, meet with our TAs and provide perhaps a little bit more  
5 robust an opportunity for Jim to explain the decision tree that he used to  
6 make the recommendation not to include this in the corrective action  
7 program. I certainly would need that before we go down the road of a  
8 tasking.

9 CHAIRMAN KLEIN: Commissioner Lyons.

10 COMMISSIONER LYONS: My first two areas are going  
11 to sound a lot like what Commissioner Jaczko was talking about. Greg  
12 talked about a Davis-Besse lessons learned module. I would just like to  
13 mention something I mentioned before that I think it would be very, very  
14 useful if there was literally a model of the Davis-Besse corrosion that was  
15 sitting in our lobby and/or was shown to every new employee. I don't care  
16 if it's made out of metal or plaster or whatever. One answer I got back the  
17 last time I raised this was it's too expensive to make it.

18 I think instead of looking at a picture of that thing and by  
19 the way, I have still not managed to see it myself. I'm told it's at  
20 Lynchburg, but I haven't seen it yet. To me, that would be a very, very  
21 useful and very graphic reminder to every one of us as we come in every  
22 day that this really happened and it was close to being serious. Okay. So  
23 much for Davis-Besse. I'd like a model.

24 I also was going to talk about my surprise on the point that  
25 Greg was raising that the liquid radioactive release study didn't scope in



1 or screen in and as I too went through how it didn't screen in and tried to  
2 follow the logic tree and as Greg mentioned, it was Category 2, Criteria 2,  
3 that screened it out, that's where we looked against our strategic outcomes  
4 so called and what was brought home to me as I read through that was  
5 there was nothing in our strategic outcomes about maintaining public  
6 confidence.

7 We have very specific things in our strategic outcomes, no  
8 fatalities, very specific items. What we don't have is maintaining public  
9 confidence and I would at least like to suggest that there be a re-look at  
10 those strategic outcomes to see whether a public confidence item should  
11 be added. I think had that been in there then the screening would have  
12 come out somewhat differently. At least, that was my perception.

13 COMMISSIONER MERRIFIELD: Can I answer that one  
14 because the issue of public confidence since I'm the only remaining  
15 member at the table today of that Commission that made the decision of  
16 that Strategic Plan, FY 2004 to 2009, it was a deliberate decision and I  
17 helped craft the language that took us from the previous public confidence  
18 element of that plan to the openness concept that we have today and  
19 there were some very deliberate reasons that we did that. The previous  
20 Commissions have wrestled for a long time in terms of different ways of  
21 looking at meeting criteria of that general sense and I think the staff is  
22 dealing with what the Commission, I and the other two, handed it in that  
23 regard.

24 Now we do have under way right now an opportunity as  
25 we are again looking at their Strategic Plan in this Commission, the five of

1 us will have another opportunity to make a determination do we want to go  
2 back to that measure or keep the one that we had from the most recent  
3 Strategic Plan. So I think that's part of the reason why the staff is applying  
4 the template of what the Commission gave it.

5 COMMISSIONER LYONS: I absolutely agree they were  
6 applying the template. To me, an openness is in there as you say but to  
7 me, the openness and public confidence maybe aren't quite equal and I  
8 think public confidence is important. So I am at least raising the question  
9 about including that in strategic outcomes as we re-look at them in the  
10 future.

11 Another comment I wanted to make is we have an annual  
12 agency action review meeting. I haven't attended one of these but I gather  
13 that it is a very carefully structured meeting to review major actions, but  
14 also I think it includes lessons learned. And I wondered if there was some  
15 plan to include the outcomes or the current status of the lessons learned  
16 program in that annual action review meeting. It just seems to me they are  
17 very closely related.

18 MR. KANE: I could take a stab at that one. I think this  
19 program is designed really to take on specific issues that come to us  
20 whether it's event based or whether it's some other kind of a problem, but  
21 it's more specific to events, whereas, in the AARM we each year do an  
22 assessment of the reactor oversight process.

23 So lessons learned from that process throughout the  
24 course of the year are built into that program. So we take on such things  
25 as how we treat crosscutting items for example, how we document those

1 in our annual reports. So that's kind of built into the process and this is  
2 more event or issue driven. I might have to talk to you further on this, but  
3 I don't see that it is a nice clean fit to merge those two programs.

4 COMMISSIONER LYONS: Okay. Fine. I appreciate your  
5 looking at it, but I appreciate your comments.

6 MR. KANE: We can dialogue further on it and maybe  
7 there's something that I'm missing. I'll look into it. Loren, did you have any  
8 additional thoughts on that?

9 MR. PLISCO: No, I think the only point I would make is  
10 that this program is even though we usually talk about the examples of the  
11 technical events that happen in plants, our vision really covers a lot more  
12 than that. Our own internal, if we have a problem with a, say a, major  
13 rollout of a key system that we learn lessons from that we need to make  
14 sure that don't recur, those type of things, so administrative items and  
15 things on how we do our day-to-day business, our vision is those kind of  
16 things can be captured into this program too. AARM is just really focused  
17 on the plants, but I could see if there is an ongoing lessons learned having  
18 to do with the plants, there would be some interaction on those.

19 COMMISSIONER LYONS: It just seems to me that they  
20 are closely related in that the lessons learned program might well be  
21 looking at longer term issues, but even if they're not specific to a current  
22 event, that still might be a good opportunity to remind people of some of  
23 the focus areas. I'll stop there.

24 MR. KANE: Well, they tend to cross over when you get  
25 to issues like Davis-Besse for example. That review that we did, that

1 lessons learned review did identify some things that we needed to adjust  
2 in the reactor oversight program. So they do come together but again, I  
3 think they're more, at least the way it's envisioned here, it's more issue  
4 driven.

5 CHAIRMAN KLEIN: I think as a little bit of a follow-up to  
6 Commissioner Lyons' comment, you know we do get into these event  
7 driven issues and we get into lessons learned that then turn into lessons  
8 implemented. With all the new people that we're bringing on, what would  
9 be nice is to get ahead of all of that issue and be more proactive so that  
10 we don't have events that we have to learn lessons from. Have you  
11 thought about how do we get ahead of that curve so that we're proactive  
12 to the point that we don't get into those situations? Do you have any  
13 training programs or something like that?

14 You know, it sort of gets into continuous improvement, but  
15 you know what it would be nice to be is if we're far enough ahead that  
16 we're anticipating situations rather than reacting to them. Do you have a  
17 program that looks at event prevention or something like that, in other  
18 words, so that we're a step ahead rather than reacting?

19 MR. KANE: I think where it comes together would be in  
20 the qualification program for new employees and I think Mike addressed  
21 some of that and what we have to do, I think, is to bring in some of these  
22 lessons we have learned in the past and make sure that's part of the  
23 training program and clearly communicate to them that we need their eyes  
24 to be looking at what's going on and try to anticipate issues or problems  
25 that perhaps we're not seeing.

1                   CHAIRMAN KLEIN: I think one of the challenges that I  
2                   had observed when I was on the INPO board is that we have metrics, but  
3                   usually they're after the fact. So you end up if a utility is getting in trouble,  
4                   somehow we don't have the metrics that tell us they're heading down that  
5                   slippery slope and it would be nice to somehow have those metrics that  
6                   give us those early warnings so that we don't get into those situations. But  
7                   that's a hard issue.

8                   But that's the goal. The goal would be to have these early  
9                   warning systems so you don't have the problems. So it might be good for  
10                  our staff to talk to INPO from the operational standpoint to see if there isn't  
11                  some metrics we can start looking at to keep all our operating plants, the  
12                  new ones, at a high level that continuous improvement is something that  
13                  we tend to get into a problem of not necessarily complacency but it ends  
14                  up in that. Things are running along and we catch those metrics early  
15                  enough. Easier said than done. Commissioner Merrifield.

16                 COMMISSIONER MERRIFIELD: Yes, your questions  
17                 prompts me to ask another one. I'm sort of thinking about licensee  
18                 corrective action programs and looking at issues associated with the  
19                 primary side and the secondary side. It seems to me that, and we expect  
20                 them to have both, even though our principal interest is in the structure  
21                 systems and components associated with the primary side.

22                 We're looking, if you look at the reviews conducted, at  
23                 where something went wrong with one of these plants. How do we  
24                 respond to it? How can we improve? And that's sort of the generalized  
25                 focus you have at the task force.

1                   But it would seem to me that if we're going to be robust in  
2                   a lessons learned corrective action program, we also ought to be looking  
3                   internal to our process, the timeliness of our review process. Are there  
4                   examples where we had licensing actions that really strung out over a long  
5                   period of time and are there lessons to be learned from that to help us  
6                   improve the timeliness, effectiveness and efficiency of what we're doing?

7                   I said some nice things about ADAMS. I think we're doing  
8                   pretty well with ADAMS now. We had a problem. It took us a long time to  
9                   get to where we are today. Have we incorporated a lessons learned in our  
10                  IT program to make sure that the efforts that we had to go through to get  
11                  a successful program which took us a long time to do have we  
12                  incorporated the lesson learned from that into our programs today so as  
13                  to avoid that in the future?

14                 So I think in a general, this is more of a comment than a  
15                 question, I think we have a corrective action program and it doesn't merely  
16                 look at what our licensees are doing and how we're responding to that, but  
17                 also is it looking inward to us in terms of how we're operating the agency  
18                 and how we improve what we're doing? Now I may have missed that in  
19                 the presentation you made, but certainly I think one could take from some  
20                 of the slides that it has more of that external focus.

21                 MR. PLISCO: The list I mentioned that we developed  
22                 when we picked the six has a lot of internal lessons just like my OIS  
23                 friends that there is an ADAMS lessons learned report and that's on the list  
24                 when you talked about ADAMS.

25                 COMMISSIONER MERRIFIELD: Okay.

1 MR. PLISCO: There are issues having to do with handling  
2 of FOIA requests and there are issues having to do with other internal  
3 processes where we have generated a lesson learned report. So there  
4 are items like that on the lists that we have been pulling together to find  
5 out what we have in our history.

6 COMMISSIONER MERRIFIELD: Okay. That makes  
7 sense.

8 MR. PLISCO: We just picked -- we thought for the value  
9 of the resources we were expending, we picked those six because we  
10 thought there was a lot of value in those, but there is value in some of the  
11 other ones too.

12 COMMISSIONER MERRIFIELD: Okay.

13 MR. WIGGINS: I'd like to add just a quick perspective.

14 COMMISSIONER MERRIFIELD: Yes.

15 MR. WIGGINS: If you know what the events are from the  
16 title, you know that the biggest piece of it for us is the internal piece. The  
17 Vogtle issue, the TMI issue, yes there's significant licensee site issues that  
18 will be dealt with through the normal process, but there's learnings  
19 internally on each of them and I believe that's likely why they selected  
20 those to look at. Those are the lessons that we're looking to see is the  
21 internal ones here and it may not come out from the presentation the way  
22 it was discussed.

23 COMMISSIONER MERRIFIELD: These are more event  
24 based. These are event based, the ones that you have here.

25 MR. WIGGINS: The events have highlighted both

1 problems with licensees and problems with what we did.

2 COMMISSIONER MERRIFIELD: I understand.

3 MR. WIGGINS: Then or in the past.

4 COMMISSIONER MERRIFIELD: I understand. I'm  
5 talking about non-event based issues where you have -- it takes us a real  
6 long time to do your licensing action, it took a real long time to do your  
7 licensing action and what we learned from that. How can we improve it?  
8 That makes sense.

9 Given the direction we're going, I think the Commission as  
10 a whole, and the Chairman in particular, and the EDO have embraced or  
11 certainly with the support of the Commission, are looking at more things  
12 like Six Sigma. Can we use Six Sigma as an approach for this as well?  
13 I think these things are going to integrate. If you're going to do that kind  
14 of a look-back at some of our programs, lesson learned and Six Sigma I  
15 think make a lot of sense integrating in that respect.

16 The second one again plays on an earlier comment. How  
17 much -- what is the budget we have for conducting some of the activities  
18 we have going forward and I want to hear just a little bit more and I know  
19 you already said some things about it, but how we can insulate that so we  
20 can continue to get that improvement without having it subject to a  
21 budgetary axe?

22 MR. PLISCO: I think in general as far as doing the legacy  
23 reviews going forward, there isn't anything in the budget and that was part  
24 of our recommendation to the EDO, in the out years we need to start  
25 including that. If we want to work our way through the big list and include



1 those historical lessons into our system, we need to budget for that  
2 because it is resource intensive to go back and pull the story of those older  
3 events. That part there isn't anything.

4 CHAIRMAN KLEIN: Is there anything in the 08 budget to  
5 continue this activity?

6 MR. PLISCO: Well, the IT component actually is an `07,  
7 our plan is to finish that in `07 and then there's some continuing operating  
8 costs for the IT component of our system. But as far as the budget for the  
9 offices to conduct future effectiveness reviews and lessons learned, I don't  
10 think those are budgeted.

11 MR. KANE: I don't recall it being in the budget. But what  
12 we would do is certainly we're not going to be precluded from doing these  
13 kind of reviews. If there is an issue that merits it, we would have to  
14 rearrange priorities and conduct the review.

15 COMMISSIONER MERRIFIELD: Well, let me be the first  
16 to suggest, Mr. Chairman, that it may be that there may be a paper coming  
17 out on this from the staff outlining what are the various options for the  
18 Commission to consider to fund. Efforts are currently not in the budget to  
19 allow to take advantage of furthering the knowledge on lessons learned  
20 and improving our corrective action program. Thank you.

21 CHAIRMAN KLEIN: Commissioner Jaczko.

22 COMMISSIONER JACZKO: I just want to follow up a little  
23 bit on what Commissioner Lyons said and I certainly agree. I think you  
24 can look at this as the issue with say the Tritium Task Force and not  
25 meeting the threshold. It's either an issue with the threshold or the criteria

1 and those may be, the issue may also involve looking at the strategic  
2 outcomes and making sure that we have the right strategic outcomes to  
3 properly reflect now in the corrective action program.

4 An issue that I wanted to talk a little bit about certainly  
5 separate is this program seems to focus very much on the program offices  
6 here at Headquarters. I was wondering if you could talk a little bit about  
7 how the regions interface and how issues can be brought forth from the  
8 regions and introduced into the process to potentially look at lessons  
9 learned. Of course, when we have a lot of inspection activities in the more  
10 event based things may actually be originating in the regions and how that  
11 gets brought into the process.

12 MR. PLISCO: Well, coming from a region, since I led the  
13 team, my perspective is we're equal to the offices in our participation and  
14 interest in the program. We actually had two regional members on the  
15 working group that put this together.

16 COMMISSIONER JACZKO: So there's a link.

17 MR. PLISCO: When we say offices, we think that also  
18 means regions.

19 COMMISSIONER JACZKO: Okay.

20 MR. PLISCO: When we use those words. I'm looking at  
21 Bill for confirmation.

22 (Laughter.)

23 MR. PLISCO: We look at ourselves as equal partners.

24 MR WIGGINS: Research certainly views it that way

25 COMMISSIONER JACZKO: So you feel comfortable

1 there's mechanisms for, say, inspectors if they have an idea of a process  
2 that they went through an inspection and they thought it could have done  
3 better, they can introduce something into the lesson, get something before  
4 the lessons learned oversight board and get in into the process.

5 MR. KANE: There's actually another process that we've  
6 instituted within the regions for the conduct of their activities and that is a  
7 program for best practices and that is a program that is apart from the one  
8 that we're talking about here and it is more operational in terms of how, for  
9 example, daily information coming in from the plants is assessed at the  
10 morning meetings. What we do is get together, charge one of the regions  
11 with the lead, and get the best practices identified. So we tend to apply it  
12 that way. But a major lesson learned, they could come from a region as  
13 well as --

14 MR. PLISCO: And I think one good example is the  
15 Hurricane Task Force and Mel can talk about that.

16 MR. LEACH: Yes, Commissioner Mel Leach. I was the  
17 leader of 2005 Hurricane Season Task Force and the three items that we  
18 categorized as Category 1 out of our task force charter and those same  
19 three made it through the screen. Two of them were primarily regional  
20 items. One is a single agency procedure because three of the four regions  
21 had their own individual procedures and Headquarters had one and we  
22 wanted a single procedure.

23 The staff safety accountability was primarily a regional  
24 issue as those are the folks that can be in harm's way. Some  
25 Headquarters' folks respond as well, but those two were significantly

1 regional issues and we had all four regions represented on the task force.

2 COMMISSIONER JACZKO: Thank you. The only other  
3 comment that I would add is I think Commissioner Lyons makes a good  
4 suggestion about the idea of incorporating some of this into the agency  
5 action review meeting. I think there is a nexus to a lot of these issues,  
6 corrective actions, and plants are looking at an issue that I know I brought  
7 up at the last one is the idea of -- and perhaps this gets to one of  
8 Commissioner Merrifield's ideas of not just have this be event driven but  
9 the idea what do we do with a plant like Point Beach that continues to be  
10 in column four and as of yet, I haven't heard of a plan for them getting out  
11 or if there's a plan for them getting out of column four, I don't think they've  
12 gotten to be able to fully implement that. So that may be perhaps another  
13 one of these non issue based or event based problems for which we might  
14 be able to learn some lessons about how we do this in the future so that  
15 when a plant gets into column four, they get out of column four because  
16 I think that's the idea and not by moving into column five, but going down  
17 in the right way. Thank you.

18 CHAIRMAN KLEIN: Commissioner Lyons.

19 COMMISSIONER LYONS: Just a couple of questions on  
20 some of the IT issues. There was a mention of the need to develop the  
21 IT issues. In the, I think, it was the August memo from the EDO, there was  
22 reference to delays in getting the IT work started, reference to delays in  
23 funding availability of about three months, all of which has pushed back  
24 the IT schedule. I was partly wondering why was there a delay of three  
25 months in the funding and is there anything that the Commission should

1 or could be doing now to ensure that the necessary IT resources are  
2 available or are they now available?

3 MR. PLISCO: I can speak to the funding part of the  
4 question. The problem at the beginning was when we started the task  
5 force since we budget two years out, when we started we weren't in the  
6 budget. So in the development of our process, we developed some  
7 estimates and we went into the midyear request, the `06 midyear request,  
8 and then we did get our funding around the June/July time frame of this  
9 year in the midyear adjustments that were made and we did get in time so  
10 we're in the `07. So our funding, we have the funding now.

11 COMMISSIONER LYONS: So the midyear adjustment  
12 didn't occur until June?

13 MR. PLISCO: Yes.

14 MR. BAKER: That's very typical. The staff gets together  
15 and make the decisions and then if there's a reapportionment that has to  
16 occur it does take -- we have had as late as August receipt of midyear  
17 funds.

18 CHAIRMAN KLEIN: I guess a midyear must get shifted  
19 because I would think August is pretty late in the year, not midyear.

20 MR. PLISCO: I think the decisions get made by the  
21 midyear. By the time you actually get the money in hand --

22 MR. BAKER: By the time you do reapportionment  
23 sometimes you're that late.

24 CHAIRMAN KLEIN: I guess this may be a subject of  
25 another Commission meeting.

1                   COMMISSIONER LYONS: It at least puzzled me about  
2 what we do for resources.

3                   MR. PLISCO: As far as the funding now, we have the  
4 funding. We couldn't start formally into the IT part until we know we have  
5 the money. Now that we have the money we entered into the process to  
6 get the system up through all the checks in the system approval process.

7                   MR. BAKER: The thing that I would mention is it's not that  
8 we haven't started because there are other initiatives that are directly  
9 applicable. Particularly I mentioned the linking of the documents within  
10 ADAMS. That is moving forward and it's actually a shared effort. I mean  
11 we're doing that and our licensing processes is directly applicable to what  
12 we're trying to do with lessons learned. So we are making some progress  
13 on the system pieces, the components that will make up the system.

14                   EDATS is continuing to roll out, which is the tracking  
15 piece. The piece that's not moving forward at the moment is just the web  
16 interface that Commissioner Merrifield mentioned and we'll be working with  
17 what are the requirements for that particular piece to make sure you  
18 deliver what's expected on that.

19                   COMMISSIONER LYONS: Well, I think as the Chairman  
20 said, that may be appropriate for a different meeting format, but at least  
21 I'm personally surprised that a midyear decision takes that long to  
22 implement. I'll leave it at that.

23                   CHAIRMAN KLEIN: As a very newcomer to the agency,  
24 we seem to have a dilemma in implementation. I can tell you that other  
25 departments don't take as long to get decisions made and implemented

1 as I've seen here and I think that's something that we need to look at so  
2 that we can -- again, we have to do it right. But I have seen other areas  
3 that do it right and do it more timely.

4 COMMISSIONER MERRIFIELD: But just for clarity  
5 though and I mean not to disagree, and, Chairman, you may be entirely  
6 correct. But there may be multiple things that the staff is dealing with. I  
7 mean there is a series of priorities that we identify specifically in the  
8 midyear that we work our way through.

9 Also during the course of this year whether in November  
10 soon after the fiscal year begins or August soon before it ends, that we  
11 realize that programs or issues that we have funded don't need the full  
12 funding. Money arises as a result of that and through whether it's  
13 November or August, the staff presumably on a continual basis will say we  
14 realize we don't have money here. We have an emergent need and we're  
15 going to fund that as we go along and not wait for a twice-a-year  
16 opportunity to fund that. Isn't that part of what you're trying to do as well  
17 or am I being too generous in my comments?

18 MR. KANE: We do that on an ongoing basis. As  
19 situations change and funds become available, we have to do that. But  
20 one of the things we have to do at midyear is to assess what our needs  
21 are and if they trip a certain level, we have to go back to the Commission  
22 and get approval to perform those activities and then the rest of it is getting  
23 the money from the CFO. So there are several months involved there to  
24 get that decision made and it may well be too long and it might be  
25 something that we have to take a look at.

1                   CHAIRMAN KLEIN: I guess what I was hearing was that  
2 we make a midyear decision but by the time it's implemented it's August  
3 and that seems to be a long time. Now I realize events, if there are budget  
4 shifts that are unexpected, that you reprioritize. But if we do a midyear  
5 budget review, it shouldn't take to August by the time that money arrives.  
6 I think what Commissioner Merrifield was saying is if there are unexpected  
7 events that's different.

8                   COMMISSIONER MERRIFIELD: I completely agree with  
9 you. What I was trying to provide for them is an out in that in this  
10 particular instance --

11                   (Laughter.)

12                   COMMISSIONER MERRIFIELD: They didn't pick up on  
13 it obviously. In this particular instance it may have been even something  
14 that fell outside of the midyear review but obviously I don't know. We  
15 didn't get that answer, so I don't know, Mr. Chairman.

16                   COMMISSIONER JACZKO: The only thing I would say  
17 and again perhaps trying to give the staff an out, but again agreeing  
18 wholeheartedly with the Chairman is that some of these may be a little bit  
19 of a misnomer. While it's a midyear, it appears not to be in the middle of  
20 the fiscal year. It is often lately with spending bills not getting passed until  
21 late in the calendar year and already into the fiscal year that we don't get  
22 an OMB allocation until sometime in, or whatever they call it, I don't know  
23 if it's OMB, is that the right or whatever it is, we actually get approval from  
24 OMB that this is our appropriation for that fiscal year which is already  
25 several months into the fiscal year. So midyear review happens later than



1 one would think because the process starting with, I don't want to  
2 necessarily put blame on the Congress, the Congress often is a little bit  
3 later. So again, that may be some of the --

4 COMMISSIONER LYONS: I'm just recalling at our  
5 midyear review, so-called, is in February and that the midyear review  
6 typically identifies both puts and takes in the budget based on our best  
7 knowledge of needs at that time. Again, I don't want to belabor it. It just  
8 surprised me that it took that long.

9 And the other thing I would belabor is I still don't think our  
10 new staff should have to travel to Lynchburg to see a model of Davis-  
11 Besse.

12 (Laughter.)

13 COMMISSIONER LYONS: I think that's a sobering  
14 example that we should look at every day.

15 COMMISSIONER MERRIFIELD: Maybe we could take  
16 the metal from that God awful sculpture we have between White Flint One  
17 and White Flint Two --

18 (Laughter.)

19 COMMISSIONER MERRIFIELD: And melt it down and  
20 create the vessel head that you're seeking out in our courtyard.

21 COMMISSIONER LYONS: Well, I was told that it was too  
22 expensive if we made it out of metal. I don't care it's plastic as long as it  
23 looks like metal.

24 COMMISSIONER JACZKO: We could maybe ask one of  
25 the local high schools as a science project to do the model for us.

1                   CHAIRMAN KLEIN: Well, I think as for lessons learned,  
2 we've learned models and we've learned budgets, so this has been a  
3 productive meeting. Any additional questions?

4                   COMMISSIONER MERRIFIELD: No thank you, Mr.  
5 Chairman.

6                   CHAIRMAN KLEIN: I'd like to thank the staff. I think you  
7 did a good job. I think you made some key points in your presentation that  
8 really are important. One is keep them fixed when you have the problems  
9 identified. The other one is we do have a lot of individuals that are coming  
10 on board and so we need to make sure they are trained and understand  
11 the issues and gets those lessons learned and see the model that  
12 Commissioner Lyons wants to see. Then the other thing is to go for  
13 continuous improvement. I think we hold our licensees to high standards.  
14 We should hold ourselves to high standards and always strive for  
15 continuous improvement. So thank you very much. The meeting is  
16 adjourned.

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