

October 15, 2001

MEMORANDUM TO: Chairman Meserve

FROM: William D. Travers */RA/*  
Executive Director for Operations

SUBJECT: SEPTEMBER 2001 UPDATE OF THE STAFF'S RESPONSE TO THE  
CHAIRMAN'S TASKING MEMORANDUM

Attached for your information is the September 2001 update of the staff's planned actions to address the issues raised during the July 30, 1998, hearing before the Senate Subcommittee on Clean Air and Wetlands, Private Property, and Nuclear Safety, and the July 17, 1998, Commission meeting with stakeholders. Please note that Topic I.A.(3), South Texas Project Risk-Informed Exemptions to Certain Special Treatment Requirements, has been deleted since all milestones were completed. Significant additions and changes in the September 2001 update are highlighted by redline and strikeout markings.

Since the last update, the staff completed the following significant milestones:

1. Issued SECY-01-0185 providing updated status on the re-evaluation of the technical basis for the pressurized thermal shock rule (10 CFR 50.61)
2. Issued SECY-01-0176 evaluating the need for Alternative Dispute Resolution policies and procedures for use in the NRC enforcement process.
3. Completed all of the plant-specific notebooks for evaluating the risk significance of inspection findings at commercial reactor facilities.
4. Completed the Loss of Coolant Accident oxidation testing for Zircaloy-2 in support of developing the technical bases for the use of high burnup fuel.
5. Completed review of the Beaver Valley Units 1 & 2 and Shearon Harris power uprate amendment requests.
6. Issued Draft Regulatory Guide 1077 regarding the effects of temperature, humidity and smoke on digital systems.
7. Completed the orders and conforming amendments for Indian Point Units 1 & 2 resulting from the acquisition of the plants by Entergy Corporation.
8. Completed the development of the technical bases to reduce the uncertainty in the NRC's technical position on the extended burnup credit package design, part of the overall effort to study spent nuclear fuel transportation issues.
9. Removed the Cabot-Revere site from the Site Decommissioning Management Plan.

Since the August 2001 update, there were schedule changes associated with several ongoing NRC staff activities, including issuance of the Discrimination Task Group final report and deployment of ADAMS Version 4.0.

Attachment: As stated

cc: Commissioner Dicus  
Commissioner Diaz  
Commissioner McGaffigan  
Commissioner Merrifield  
OGC  
CFO  
SECY

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**STAFF RESPONSE TO TASKING MEMORANDUM AND STAKEHOLDER CONCERNS**  
**as of September 28, 2001**

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**I. Topic Area: Risk-Informed and Performance-Based Regulation**

**A. Risk-Informed Regulatory Initiatives**

**1) Risk-Informing the Scope of Certain Part 50 Requirements (Option 2)**

SES Manager: Cynthia Carpenter, Branch Chief, RGE/DRIP/NRR

Objective: To modify the scope of special treatment requirements to be risk-informed in accordance with the rulemaking plan of SECY-99-256 and its associated SRM of January 31, 2000.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. ANPR public comment period expires	5/17/00C	T. Bergman, DRIP
2. NEI preliminary draft guidelines submitted for staff endorsement	6/8/00C	NA
3. Commission paper assessing ANPR comments and other issues (199900061)	9/7/00C	T. Bergman, DRIP
4. Commission briefing	9/29/00C	S. West, DRIP
5. NEI complete draft guidelines submitted for staff endorsement	1/19/01C	NA
6. Initiate pilot program	3/01C	M. Shuaibi, DLPM

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
7. Provide final round of comments to NEI on NEI 00-04	<del>4/01</del> 11/30/01	T. Reed, DRIP

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
8. Submit proposed rulemaking to Commission (199900061)	<del>4/02</del> TBD	T. Reed, DRIP
9. Provide proposed rule to House and Senate Appropriations Committees one month after Commission approval (199900061)	SRM + 1 month	T. Reed, DRIP

Beyond March 31, 2002		
Milestone	Date	Lead
10. Submit final rulemaking to Commission (199900061)	milestone 9 + 15 months	T. Reed, DRIP
11. Provide final rule to House and Senate Appropriations Committees one month after Commission approval (199900061)	SRM + 1 month	T. Reed, DRIP

General Comments:

- a. The June 2000 update was a complete revision of this CTM item. In a memorandum to the Commission dated April 3, 2000, the staff identified four issues that are affecting the Option 2 schedule: (1) ANPR, (2) industry guideline document, (3) pilot program, and (4) STP exemption request. The status of the first 3 issues are addressed by their associated milestone comments below. The STP exemption is now addressed in its own CTM item (I.A.3).
- b. Due to the complexity and developmental nature of Option 2, there is uncertainty associated with the schedule. As reflected in the notes below, the staff has estimated the uncertainty with several of the milestones as low (generally expect to meet the schedule within one month of estimated date), medium (within 3 months), or high (within 6 months). The above dates reflect the staff's current estimates of schedules; in parallel with this update, the staff is requesting approval to revise the milestones and schedules for these items.
- c. Routine meetings are not listed in the CTM. In general, the staff meets monthly with internal and external stakeholders.

Milestone Comments:

6. During the June 27, 2001 public meeting with NEI, the staff indicated that there were no major issues (that couldn't be resolved) regarding the categorization portion of the guidance and that pilot effort (which focuses predominantly on the categorization portion of Option 2) could proceed. Of the three owners groups participating (i.e., BWROG, CEOG, WOG), the BWROG has progressed the furthest, having completed the initial categorization of the pilot systems (using the December 2000 draft version of NEI 00-04). The BWR pilot (Quad Cities) held the integrated decision-making panel (IDP) on August 15 and 16, 2001. The staff observed the IDP. Both the staff and industry are continuing to develop a pilot activities plan. The staff has developed a first draft of the pilot plan and will revise and update the plan as pilot activities proceed.
7. By letter dated April 4, 2001, the staff provided comments (round two of three scheduled rounds) to NEI on NEI 00-04 (ADAMS accession #ML 010930049). To support the comments, the staff made key decisions that reflect the staff's current vision of the RIP50 Option 2 regulatory framework. These decisions reflect lessons learned from the ongoing STP exemption review and stakeholder input. The staff met with NEI on April 25, 2001 and

discussed comments on NEI 00-04. NEI provided draft revision B of NEI 00-04 to the staff by letter dated June 15, 2001. The staff provided early feedback on the guidance during the public meeting with NEI on June 27, 2001. As noted above in comment 6, there are no major issues on categorization; however, in other areas the staff and industry have not reached general agreement on the NEI 00-04 guidance. The staff is currently developing its comments on draft revision B of NEI 00-04 in the form of RG exceptions and plans to provide these comments to NEI in ~~October~~ November 2001. ~~Milestone completion date changed as described in EDO memorandum to the Commission dated 6/4/01.~~

8. ~~Completion date changed as described in EDO memorandum to the Commission dated 6/4/01. In order to meet the proposed rulemaking milestone date, the preceding milestones must be completed as indicated in the schedule. Consistent with the August 2, 2001 SRM, the staff is developing draft rule language to share with all stakeholders in advance of the proposed rule. The staff expects to make the draft rule language publicly available in September 2001. Due to the uncertainties associated with the preceding milestones and the uncertainty in resolving issues with the draft guidelines, the uncertainty associated with this milestone is high.~~

The staff previously estimated that it would provide the proposed rule package to the Commission in April 2002. The staff did not fully appreciate the challenges involved in establishing the appropriate treatment for the RISC-3 SSCs, nor did it include the time required to share draft rule language with the public (per the Commission's SRM of August 2, 2001), including the workshop, when it offered the proposed rulemaking schedule of April 2002. The time to conduct the workshop (currently scheduled for November 7, 2001) and to consider stakeholder input and feedback may impact the schedule for the rulemaking. The staff will provide a revised schedule for Option 2 in the update to the CTM following the November workshop.

10. The final rulemaking is contingent upon completion of all preceding milestones as scheduled, and resolution of public comments on the proposed rulemaking. The uncertainty associated with this milestone is high.

**I. Topic Area: Risk-Informed and Performance-Based Regulation**

**A. Risk-Informed Regulatory Initiatives**

**2) Risk-Informed Technical Requirements in 10 CFR Part 50 (Option 3)**

SES Manager: Mark Cunningham, Branch Chief, PRAB/DRAA/RES

Objective: To identify and evaluate technical requirements of 10 CFR Part 50 that are candidates to be risk-informed and then to recommend modifications to Part 50, consistent with Option 3 of SECY-98-300 and its associated SRM dated June 8, 1999. The goal is for the technical requirements of Part 50 to be commensurate with their contribution to public health and safety such that safety is maintained without unnecessary regulatory burden.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Provide status report to Commission (199900062)	4/12/00C	M. Drouin, RES
2. Identify preliminary set of proposed changes and recommendations (199900062)	9/14/00C	M. Drouin, RES
3. Hold public workshop on preliminary set of proposed changes and recommendations	10/02/00C	M. Drouin, RES
4. Status report to Commission (199900062)	2/05/01C	M. Drouin, RES
5. Feasibility study and recommendations on risk-informing ECCS (10 CFR 50.46) (199900062) (SECY-01-0133)	7/23/01C	M. Drouin, RES
6. Recommendations on risk informing requirements for combustible gas control systems (10 CFR 50.44) (200100003)	8/23/01C	S. Magruder, NRR
7. Plan and schedule for completion of Option 3 (199900062) (SECY-01-0133)	07/23/01C	M. Drouin, RES

Through March 31, 2002		
Milestone	Date	Lead

Beyond March 31, 2002		
Milestone	Date	Lead

**I. Topic Area: Risk-Informed and Performance-Based Regulation**

**B. Develop Standards for the Application of Risk-informed, Performance-based Regulation in Conjunction with National Standards Committees**

SES Manager: Mark Cunningham, Branch Chief, PRAB/DRAA/RES

Objective: To make efficient use of agency resources by actively participating in the consensus standards process to develop standards for PRA that support the implementation of risk-informed regulation in a manner that maintains safety.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Draft PRA standard on external hazards (e.g., seismic) released by the American Nuclear Society (ANS) for public comment.	01/26/01C	M. Drouin, RES
2. Final fire PRA standard issued by National Fire Protection Association (NFPA).	04/01/01C	N. Siu, RES
3. Review and provide NRC comments on ANS draft PRA standard on external hazards.	05/17/01C	M. Drouin, RES

<b>Through March 31, 2002</b>		
4. Draft PRA standard on Low Power and Shutdown (LPSD) issued by ANS for public comment.	TBD	M. Drouin, RES
5. Final PRA standard on internal events issued by ASME	12/01	M. Drouin, RES

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
6. Final PRA standard published by ANS on LPSD.	TBD	M. Drouin, RES
7. Final ANS standard on external hazards completed.	05/02	M. Drouin, RES

Comments:

ANS PRA standards cover accidents initiated by external events (e.g., earthquakes) and accidents initiated during LPSD operations.

4. LPSD draft standard delayed, no new schedule has been provided by ANS. Schedule is subject to receiving input from EPRI.

5. Schedule is subject to final balloting by ASME.
6. ANS has decided to change the structure of the standard to conform with ASME's standard, and that will require additional time for public comment. Therefore, it is anticipated that this will not be completed any earlier than May 2002.

**I. Topic Area: Risk-Informed and Performance-Based Regulation**

**C. Reevaluate the Technical Basis for the Pressurized Thermal Shock Rule  
(10 CFR 50.61)**

SES Manager: Michael Mayfield, Director DET/RES

Objective: To develop the technical basis for a risk-informed revision to the pressurized thermal shock (PTS) rule, 10CFR 50.61, screening criteria by applying recent advances in probabilistic reactor pressure vessel (RPV) integrity analysis, methods for calculating the thermal-hydraulics (TH) response of a PWR to potential PTS loading transients, and application of PRA results in identifying key operational transients that could affect the RPV.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Present the methodology to perform PTS risk analysis to ACRS	3/16/00C	S. Malik, RES
2. Present the revised PTS risk acceptance criterion to ACRS	3/16/00C	N. Siu, RES
3. Conduct public workshops to identify and resolve open questions on analysis procedures and inputs in PFM, TH and PRA areas	5/02/00C	S. Malik, RES
4. Develop revised PTS risk acceptance criterion (199900115) (SECY-00-0140)	6/23/00C	N. Siu, RES
5. Present the PTS risk analysis of the selected PWR plants to ACRS	10/05/00C	S. Malik, RES
6. Provide next updated status on PTS reevaluation to Commission (199900115)	09/28/01C	N. Chokshi, RES

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
7. Publish NUREG/CR report describing a generic flaw density and size distribution	03/02	D. Jackson, RES

Beyond March 31, 2002		
Milestone	Date	Lead
8. Develop integrated PTS risk estimate for study plants.	05/02	N. Siu, RES
9. Present the technical basis for proposed changes in 10 CFR 50.61 PTS screening criterion to ACRS	07/02	S. Malik, RES

Comments:

## **II. Topic Area: Reactor Inspection and Enforcement**

### **A. Risk Informed Baseline Inspection Program**

SES Manager: Michael R. Johnson, IIPB/DIPM/NRR

Program Manager: Douglas H. Coe, IIPB/DIPM/NRR

Objective: To develop and implement a more risk informed, efficient, and effective baseline inspection program. By risk informed, it is meant that the inspection program's scope will be defined primarily by those areas that are significant from a risk perspective and that the inspection methods used to assess these areas will take advantage of both generic and plant specific risk insights.

Coordination: Issues II.A. "Risk Informed Baseline Inspection Program," II.B. "Enforcement Program Initiatives," III.A. "Performance Assessment Process Improvements", and III. B. "Risk-Based Performance Indicator Development," require close coordination and the integration of specific tasks by the NRC staff. Responsible project managers are coordinating these activities by assessing the impact of proposed program changes with the other ongoing activities and ensuring that the overall objectives for each project are achieved. Examples include intra-project task force participation, workshop attendance, concurrent review of projects and periodic senior management briefings.

<b>Prior to September 30, 2001</b>		
<b>Milestone</b>	<b>Date</b>	<b>Lead</b>
1. Issue Commission paper and brief Commission on the Revised Reactor Oversight Process results of the pilot program and staff recommendation for Initial Implementation (199900070)	3/00C	W. Dean, DIPM
2. Commence initial implementation of the risk informed baseline inspection program at all operating sites	4/00C	W. Dean, DIPM
3. Conduct internal lessons learned workshop to identify Revised Reactor Oversight Process initial implementation issues, propose recommendations to address these issues, and issues to be considered for discussion in the lessons learned public workshop	3/01C	W. Dean, DIPM
4. Conduct lessons learned public workshop to obtain stakeholder feedback on Revised Reactor Oversight Process initial implementation issues	3/01C	W. Dean, DIPM

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Prior to September 30, 2001		
5. Complete evaluation of implementation and effectiveness of the first year of implementation of the risk informed baseline inspection program including issuance of Commission paper (199900070) (SECY-01-0114)	6/25/01C	D. Coe, DIPM
6. Brief Commission on the results of initial implementation of the Revised Reactor Oversight Process (199900070)	7/20/01C	M. Johnson, DIPM

Through March 31, 2002		
Milestone	Date	Lead
7. Provide status on SRM (Ref. M010720A) items with the annual ROP self-assessment results. (200100034)	3/28/02	M. Johnson, DIPM

Beyond March 31, 2002		
Milestone	Date	Lead

Comments:

7. ~~Additional milestone added based on Staff Requirements Memorandum stemming from SECY-01-0114 and the associated Commission briefing.~~

## II. Topic Area: Reactor Inspection and Enforcement

### B. Enforcement Program Initiatives

SES Manager: Frank J. Congel, Director, Office of Enforcement

Objective(s): Develop and implement improvements to the Enforcement program to increase efficiency and effectiveness, reduce unnecessary regulatory burden, and be aligned with the reactor oversight process.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Develop Enforcement Policy for the new reactor oversight process. (200000022)	3/9/00C	B. Westreich, OE
2. Publish Revised Enforcement Policy incorporating Reactor Oversight changes.	5/1/00C	R. Pedersen, OE
3. Develop 10 CFR 50.59 Enforcement Guidance (related to IV.B)	5/1/00C	R. Reis, OE
4. Revise Enforcement Manual to incorporate Reactor Oversight Program changes.	6/1/00C	R. Pedersen, OE
5. Publicly announce establishment of the Discrimination Task Group.	7/27/00C	B. Westreich, OE
6. Conduct Discrimination Task Group Stakeholder Meetings.	11/02/00C	B. Westreich, OE
7. Provide Commission with Draft Recommendations of Discrimination Task Group. (200000090)	5/9/01C	B. Westreich, OE
8. Provide recommendation on Enforcement Program following first year of ROP implementation. (SECY-01-0114) (200000060)	6/25/01C	J. Luehman, OE
9. Draft Staff Recommendation to Commission regarding use of Alternative Dispute Resolution (ADR) in Enforcement (2000000070) (SECY-01-0176)	<del>8/31/01</del> 9/20/01C	J. Luehman, OE

Through March 31, 2002		
Milestone	Date	Lead
10. Provide Final Recommendation from Discrimination Task Group to Commission (200000090)	<del>10/5/01</del> 12/01	B. Westreich, OE

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11. Final Staff Recommendation to Commission regarding use of Alternative Dispute Resolution (ADR) in Enforcement (200000070)	2/1/02	T. Reis/ C. Cameron, OE/OGC
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Beyond March 31, 2002		
Milestone	Date	Lead

Comments:

7. Discrimination Task Group draft recommendations report is available on the Office of Enforcement web site.
9. ~~SECY paper in review/concurrence routing.~~
10. ~~The DTG has decided to revisit the regional offices and all of the original stakeholder meeting sites to solicit comments on the final draft. The schedule includes seven trips over a nine-week period, concluding with a HQ public meeting on August 16. In order to allow sufficient time to reflect comments generated by the meetings in the final report, the final report delivery date has been changed to October 5, 2001.~~  
As a result of extensive written and verbal comments received on the draft Discrimination Task Group (DTG) report, the format of the report has been changed to present options which will allow the EDO and the Commission to consider the advantages and disadvantages of several processes in ensuring a Safety Conscious Work Environment. Because of the additional time and effort involved in preparing the alternate report, the DTG needs to extend the schedule.

### **III. Topic Area: Reactor Licensee Performance Assessment**

#### **A. Performance Assessment Process Improvements**

SES Manager: Michael R. Johnson, IIPB/DIPM/NRR

Program Manager: Mark A. Satorius, IIPB/DIPM/NRR

Objective: The objective of this task is to develop and implement improvements to the NRC plant performance assessment process (and the overall reactor oversight process) to make it more risk-informed, efficient, and effective while combining the best attributes of the IRAP effort, the regulatory oversight approach proposed by NEI, and the staff efforts designed to develop risk-informed performance indicators.

Coordination: Issues II.A. "Risk Informed Baseline Inspection Program," II.B. "Enforcement Program Initiatives," III.A. "Performance Assessment Process Improvements," and III.B. "Risk-based Performance Indicator Development," require close coordination and the integration of specific tasks by the NRC staff. Responsible project managers are coordinating these activities by assessing the impact of proposed program changes with the other ongoing activities and ensuring that the overall objectives for each project are achieved. Examples include, intra-project task force participation, workshop attendance, concurrent review of projects and periodic senior management briefings.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Complete NRC training and licensee workshops on new reactor oversight process in preparation for initial implementation	4/7/00C	A. Madison, DIPM
2. Issue Commission paper and brief Commission on the Revised Reactor Oversight Process results of the pilot program and staff recommendation for initial implementation (199900070)	3/00C	W. Dean, DIPM
3. Commence initial implementation of new reactor oversight process at all operating sites	4/00C	W. Dean, DIPM
4. Final Senior Management Meeting to assess plant performance	5/00C	W. Dean, DIPM

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Prior to September 30, 2001		
5. Conduct internal lessons learned workshop to identify Revised Reactor Oversight Process initial implementation issues, propose recommendations to address these issues, and issues to be considered for discussion in the lessons learned public workshop	3/01C	W. Dean, DIPM
6. Conduct lessons learned public workshop to obtain stakeholder feedback on Revised Reactor Oversight Process initial implementation issues	3/01C	W. Dean, DIPM
7. Conduct end-of-cycle review meetings for each plant	5/01C	Regional Administrators
8. Conduct Agency Action Review Meeting to discuss agency response for plant performance assessment inputs	6/28/01C	M. Johnson, DIPM
9. Complete evaluation of implementation and effectiveness of the first year of implementation of the revised assessment process (199900070) including issuance of Commission paper (SECY-01-0114)	6/25/01C	M. Johnson, DIPM
10. Complete draft report on the assessment of human performance attributes derived from precursor events that could be incorporated into the inspection program	5/31/01C	J. Kramer, RES
11. Issue Commission paper on Industry Trends Program (200100034) (SECY-01-0111)	6/22/01C	M. Satorius, DIPM
12. Brief Commission on the results of initial implementation of the Revised Reactor Oversight Process (199900070)	7/20/01C	M. Johnson, DIPM
13. Conduct public meetings at all operating sites to discuss the results of plant performance	7/19/01C	Regional Administrators
14. Complete plant specific SDP notebooks for all plants	9/28/01C	J. Kauffman, RES

Through March 31, 2002		
Milestone	Date	Lead
15. NRR and RES decision on direction of future RBPI program developments, including resolution of stakeholder comments on the Phase-1 RBPI report and consideration of a User Need letter for appropriate changes to the Phase-1 and Phase-2 RBPI reports.	10/01	M. Johnson, NRR,  S. Newberry, RES

September 28, 2001

Through March 31, 2002		
16. Issue annual SECY paper to the Commission on the Accident Sequence Precursor (ASP) program (199200101)	3/02	P. Baranowsky, RES
16. Provide a summary report describing NRC's historical efforts related to development and use of performance indicators	1/31/02	M. Satorius, DIPM
17. Provide status on SRM (Ref. M010720A) items with the annual ROP self-assessment results (200100034)	3/28/02	M. Johnson, DIPM
18. Issue annual SECY paper to the Commission on the Accident Sequence Precursor (ASP) program (199200101)	3/02	P. Baranowsky, RES

Beyond March 31, 2002		
Milestone	Date	Lead
None		

Comments:

14. ~~Date was revised to reflect additional time and level of effort required to address SDP notebook review comments. Additional time is needed to resolve differences between licensees' IPEs and current plant configurations in the final four notebooks.~~
15. ~~Date was revised to allow for additional time due to staff's focus on the AARM and ROP and associated Commission papers and briefings.~~
- 16, 17. Additional milestones added based on Staff Requirements Memorandum stemming from SECY-01-0114 and the associated Commission briefing.

### III. Topic Area: Reactor Licensee Performance Assessment

#### B. Risk-based Performance Indicator Development

SES Manager: Patrick Baranowsky, Branch Chief, OERAB/DRAA/RES

Program Manager: Hossein Hamzehee, RES

Objective: The objective of this task is to develop risk-based performance indicators (RBPIs) which will be considered for use as part of the risk-informed plant performance assessment process. Risk-based performance indicators will help the agency make regulatory decisions to maintain plant safety while not imposing unnecessary regulatory burden.

Prior to September 2001		
Milestone	Date	Lead
1. Brief ACRS on RBPI program overview white paper	4/05/00C	H. Hamzehee, RES
2. Provide the Commission with a SECY paper containing RBPI's program overview white paper (199800160) (RES) (SECY-00-0146)	6/28/00C	H. Hamzehee, RES
2. Brief Commission TAs on RBPI program overview white paper	7/20/00C	H. Hamzehee, RES
4. Issue Phase-1 RBPI development progress report for external stakeholder comment	01/29/01C	H. Hamzehee, RES
5. Brief ACRS on Phase-1 RBPI development progress	05/10/01C	H. Hamzehee, RES

Through March 31, 2002		
Milestone	Date	Lead
None		

Beyond March 31, 2002		
Milestone	Date	Lead
7. Issue Phase-2 RBPI progress report for external stakeholder comment	07/02	H. Hamzehee, RES
8. Brief ACRS on Phase-2 RBPI development progress	11/02	H. Hamzehee, RES

#### **IV. Topic Area: Reactor Licensing and Oversight**

##### **A. Improved Standard Technical Specifications (ISTS)**

SES Manager: William Beckner, Branch Chief, RTSB/DRIP/NRR

Lead: RTSB Lead PM for each facility conversion

Objective: Conversion of facility technical specifications to the improved standard technical specifications (ISTS) will promote more consistent interpretation and application of technical specification requirements, thereby reducing the need for interpretations and frequent changes to the technical specifications.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Issue iSTS Amendment for NMP-2	2/15/00C	R. Tjader, DRIP
2. Issue iSTS Amendment for IP-3	2/28/01C	R. Tjader, DRIP
3. Issue iSTS Amendment for LaSalle	3/01/01C	C. Schulten, DRIP
4. Issue iSTS Amendment for Quad Cities	3/01/01C	C. Schulten, DRIP
5. Issue iSTS Amendment for Dresden	3/01/01C	C. Schulten, DRIP
6. Issue iSTS Amendment for Point Beach	8/08/01C	C. Harbuck, DRIP

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
7. Issue iSTS Amendment for ANO, Unit 1	10/01	C. Harbuck, DRIP
8. Issue iSTS Amendment for FitzPatrick	2/02	T. Le, DRIP

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
9. Issue iSTS Amendment for North Anna	5/02	T. Le, DRIP
10. Issue iSTS Amendment for Prairie Island	7/02	C. Schulten, DRIP

8. By letter dated August 6, 2001, the licensee requested a delay in completion of the conversion to allow the review of other requested technical specification revisions to be completed and these other revisions included in the iSTS conversion.

**IV. Topic Area: Reactor Licensing and Oversight**

**B. Decommissioning Regulatory Improvements**

SES Manager: Cynthia Carpenter, Branch Chief, RGEB/DRIP/NRR

Objective: Initiate rulemaking activities based on an integrated approach to decommissioning nuclear power plants as discussed in SECY-99-168.

Coordination: This issue requires close coordination with internal and external stakeholders, including NMSS and RES, interested individuals and public interest groups, various federal and state regulatory organizations, and the industry. Responsible staff, supervisors and managers are ensuring that each step in the development of the various milestones is evaluated for its need to have active participation by the stakeholders. There have been numerous meetings, correspondence and telephone conversations throughout the process with the stakeholders. Examples of stakeholder involvement have included placing public and industry representatives on the agenda for Commission meetings with the staff, stakeholder attendance and participation at decommissioning workshops, and various public meetings to provide input into the staff's regulatory development activities.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Submit an integrated, risk-informed rulemaking plan for decommissioning nuclear power plants that addresses emergency planning, insurance, safeguards, operator staffing & training, and possibly other areas.	6/30/00C	B. Huffman, DRIP/RGEB
2. Technical staff to finalize decommissioning spent fuel pool draft study and risk objectives that can be used for decommissioning regulatory decision making. (199900132)	12/20/00C	G. Hubbard, DSSA/SPLB
3. Submit a revised schedule to the Commission for completing the spent fuel pool risk study and developing a long-term plan for decommissioning regulatory improvement.	9/11/00C	G. Hubbard DSSA/SPLB
4. Submit policy options paper to the Commission (200000126) (SECY-01-0100)	6/04/01C	B. Huffman DRIP/RGEB
5. Commission Memorandum providing supplemental information on safeguards issues and treatment of existing exemptions (200100085)	<del>8/31/01</del> TBD	P. Ray DRIP/RGEB

Through March 31, 2002		
Milestone	Date	Lead
6. Submit a long-term plan of action for broad-scope decommissioning regulatory improvement (199900133)	TBD	D. Dudley DRIP/RGEB
7. Revise as necessary and resubmit the integrated decommissioning rulemaking plan based on conclusions of finalized decommissioning spent fuel pool risk study. (199900072)	TBD	B. Huffman, DRIP/RGEB

Beyond March 31, 2002		
Milestone	Date	Lead
None		

Comments:

2. ~~The Final Technical Study of Spent Fuel Pool Accident Risk at Decommissioning Nuclear Power Plants was forwarded to the Commission on December 20, 2000, and released to the public on January 19, 2001.~~
4. ~~The staff briefed the ACRS on July 11, 2001, regarding the decommissioning policy issues contained in SECY 01-0100.~~
5. In light of the 9/11/01 events, staff recommendations in this memorandum are being reconsidered in accordance with the Chairman's Tasking Memorandum dated 9/28/01.
- 6, 7. The long-term plan for broad-scope decommissioning regulatory improvement and the integrated decommissioning rulemaking plan schedule will be provided to the Commission within 60 days of receiving the Commission response to the policy options paper (SECY-01-0100 dated June 4, 2001).

#### IV. Topic Area: Reactor Licensing and Oversight

##### C. Potassium Iodide (KI) Rule Implementation

SES Manager: Glenn Tracy, Branch Chief, IOLB/DIPM/NRR

Objective: To implement the Commission's decision regarding the consideration of KI as a supplemental protective measure for the general public after a severe reactor accident. In addition, to work with other Federal agencies to revise the Federal policy on the use of KI in the event of a severe nuclear power plant emergency and to establish procedures, processes, and guidance for KI program implementation.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Publish Final Rule (199800173) (NRR)	1/19/01C	M. Jamgochian, DRIP

Through March 31, 2002		
Milestone	Date	Lead
2. Provide draft NUREG-1633 to Commission (NRR) (200100005)	TBD	K. Halvey Gibson, DIPM
3. Publish final NUREG-1633	TBD	K. Halvey Gibson, DIPM
4. Provide draft public information brochure on use of KI to Commission for review (NRR) (200100005)	TBD	K. Halvey Gibson, DIPM
5. Provide final public information brochure on use of KI to FEMA for publication	TBD	K. Halvey Gibson, DIPM
6. Develop procedures, processes and guidance for KI program implementation	TBD	K. Halvey Gibson, DIPM
7. Provide draft KI program implementation procedures, processes and guidance to Commission for review (20010020) (NRR)	TBD	K. Halvey Gibson, DIPM
8. Provide final KI program implementation procedures, processes and guidance to FEMA for publication	TBD	K. Halvey Gibson, DIPM
9. Develop final KI Federal policy FRN reflecting FRPCC review and send to Commission (199700193)	TBD	K. Halvey Gibson, DIPM

Through March 31, 2002		
Milestone	Date	Lead
10. Publish KI Federal Policy FRN	TBD	K. Halvey Gibson, DIPM

Beyond March 31, 2002		
Milestone	Date	Lead
None		

Comments:

- 2,3. SRM-00-040 directed the staff to submit the revised draft NUREG-1633 within 90 days after the FDA issues the draft FDA guidance for public comment, for Commission approval prior to publication for a 60-day public comment period. The draft FDA guidance was issued for public comment on January 4, 2001, for a 30-day comment period. Due to requests from stakeholders, the FDA extended the public comment period to 4/27/01. The draft FDA guidance, as well as draft EPA PAGs, should be finalized prior to final publication of NUREG-1633.

The staff prepared a Commission paper in April 2001 that includes a revised draft NUREG-1633 and a status report of staff KI activities including the options being considered for the implementation program for funding KI for States.

SRM-01-0069 dated June 29, 2001, directed the staff to revise draft NUREG-1633 and provide the revised draft to the Commission for comment prior to publication. The staff was also directed that publication of the NUREG should await publication of the final FDA guidance.

- 4,5. The development of the public information brochure will follow completion of NUREG-1633.
- 6,7,8. During a Federal Radiological Preparedness Coordinating Committee (FRPCC) meeting on January 17, 2001, NRC and FEMA informed the FRPCC that the implementation program for KI will be developed by a subcommittee of the NRC/FEMA Steering Committee. The NRC/FEMA Steering Committee co-chairs met on January 29, 2001, to discuss formation of the subcommittee including membership, activities, and schedule. The first meeting of the NRC/FEMA Steering Committee KI Subcommittee was held on February 26, 2001. The subcommittee developed a draft charter, task list, communication plan and KI implementation plan for presentation at the full Steering Committee meeting scheduled for March 1, 2001. The Steering Committee approved the KI subcommittee charter and task list.

A KI website was posted on the NRC external web on 4/18/01.

A meeting of the NRC/FEMA KI Subcommittee was held on June 1, 2001, at NRC headquarters. The Subcommittee drafted an action plan for completing the program to implement the Commission's decisions on KI for presentation at the next NRC/FEMA Steering Committee meeting scheduled for June 18, 2001. The Subcommittee also continued work on the implementation program for processing State applications for KI and for distributing KI funding to States. On June 18, 2001, a conference call was held with the NRC/FEMA Steering Committee to discuss a draft action plan prepared by the KI subcommittee to implement the application and funding options chosen by the Steering Committee co-chairs. The action plan includes completion of four major products: (1) NUREG-1633, (2) Federal KI Policy, (3) Procedures for States to apply for KI, and (4) Procurement of KI tablets. The staff proposed to work on these items in parallel. The action plan was endorsed by the NRC and FEMA Steering Committee co-chairs acknowledging that the subcommittee will proceed as discussed, but the actual completion dates are dependent on final FDA guidance.

The KI subcommittee met on June 21, 2001 to incorporate comments from FEMA and other FRPCC agencies on the proposed draft Federal KI policy. The KI subcommittee met again on July 9, 2001 to work on the implementation program for processing State applications for KI and for distributing KI funding to States. A statement of work for purchase of KI tablets is also being developed.

- 9,10. The Federal policy will be revised to include the FDA's revised position. The Commission issued an SRM on this topic on December 22, 2000. The Commission's revision of the KI Federal Policy was given to the FRPCC for review and comment on January 19, 2001.

On May 23, 2001, members of NRR, IRO, and OE staff met with FEMA representatives to discuss the history, roles and responsibilities, process, and timeline for revising the Federal KI Policy per SRM dated December 22, 2000. The meeting was prompted by a FEMA letter to NRC dated May 4, 2001, in which FEMA stated that the revised policy should not be issued until after the FDA guidance is finalized. FEMA affirmed that the role of the FRPCC was an advisory body to FEMA and that FEMA would ultimately approve and issue any revisions to the Federal KI Policy. NRC informed FEMA that the responsibility for working with FEMA and FRPCC to revise the policy was being transferred from IRO to NRR. NRC and FEMA representatives agreed that an FRPCC subcommittee should be reconvened to foster timely and efficient revision of the policy. FEMA agreed to form the subcommittee and schedule a meeting of the subcommittee as soon as possible. The milestone dates may need to be revised depending on the timing and results of the FRPCC KI subcommittee formation and meeting.

A letter from G. Tracy, NRC, to R. Salter, FEMA, dated June 25, 2001, confirmed NRR responsibility for the KI Federal Policy and formally requested that FEMA form an FRPCC subcommittee on KI with representatives from EPA and FDA, as well as NRC and FEMA. At an FRPCC meeting on August 1, 2001, the FRPCC accepted NRC's recommendation to form an FRPCC subcommittee on KI with representatives from NRC, FEMA, EPA and FDA. The purpose of the FRPCC subcommittee is to expedite review and revision of the Federal KI Policy, encourage finalizing FDA guidance, and coordinate KI implementation issues.

The FRPCC also agreed to send a letter to FDA encouraging timely finalization of their draft guidelines.

Dates for completing these milestones changed to TBD based on Commission direction to wait for FDA guidance (SRM dated June 29, 2001).

Representatives from EPA, FEMA, FDA and NRC have been appointed to the FRPCC subcommittee on KI. The first meeting was held September 27, 2001. The purpose of the FRPCC subcommittee is to expedite review and revision of the Federal KI Policy, encourage finalizing FDA guidance, and coordinate KI implementation issues.

FEMA Director J. Allbaugh sent a letter to Secretary Tommy Thompson of the Department of Health and Human Services on August 20, 2001, urging the timely completion of the FDA guidelines on use of potassium iodide.

Due to the limited airlines schedules as a result of the attacks on the World Trade Center and Pentagon, the NRC staff was unable to travel to Vienna in September 2001 to participate in the IAEA Technical Committee on use of KI. However, the NRC did fax the U.S. position and draft FDA guidelines on KI to IAEA for inclusion into the meeting minutes.

#### **IV. Topic Area: Reactor Licensing and Oversight**

#### **D. Reactor Fire Protection Risk-Informed, Performance-Based Rulemaking**

SES Manager: J. Hannon, Branch Chief, SPLB/DSSA/NRR

Objective: To revise the fire protection regulations to endorse a risk-informed, performance-based consensus standard, National Fire Protection Association (NFPA) Standard 805, "Performance-Based Standard for Fire Protection for Light Water Reactor Electric Generating Plants," as an alternative to the existing requirements.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Update Commission on status of NFPA activities (199900032). Commission paper signed 12/22/00.	12/22/00C	E. Connell, SPLB
2. Develop a revised rulemaking plan based on interactions with industry regarding their concerns with NFPA 805 (199900032)	<del>9/01</del> 10/01	E. Connell, SPLB

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
3. Conduct public meeting with interested stakeholders	TBD	E. Connell, SPLB
4. Brief ACRS fire protection subcommittee on rulemaking efforts	TBD	E. Connell, SPLB
5. Brief CRGR on rulemaking efforts	TBD	E. Connell, SPLB

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
6. Publish proposed rule change for public comment	TBD	E. Connell, SPLB
7. Resolve public comments	TBD	E. Connell, SPLB
8. Brief ACRS & CRGR on final rule	TBD	E. Connell, SPLB
9. Submit final rule for Commission approval (199900032)	TBD	E. Connell, SPLB

#### **Comments:**

- In a May 15, 2001, memorandum to the Commission (ADAMS ML011280084), the staff provided the following information regarding the rulemaking plan for NFPA 805:

- In January 2001, NEI sent a letter to the Chairman stating that industry had concerns that the staff's plans to adopt NFPA 805 would not achieve the Commission's objectives and that licensees would not use NFPA 805 to meet fire protection requirements. The Commission asked the staff to meet with industry and discuss these concerns in more detail. NRC staff and senior management met with industry March 15, 2001 for this purpose. At that meeting, NEI detailed most of their concerns about NFPA 805. They also asked for the staff's concerns and requested a follow up meeting. The staff exchanged letters with NEI to identify NRC and industry concerns. The staff believes that the issues can be resolved through the rulemaking process with NEI-developed implementation guidance. The staff has held several meetings with NEI to resolve the outstanding issues, the most recent of which was August 30, 2001.

The staff has revised its NFPA 805 rulemaking plan to reflect the interactions with the industry and has drafted a memorandum to the Commission (to be issued by the end of September 2001) which conveys the rulemaking plan and completion schedule. This memorandum is the review and concurrence process and should be issued by early October 2001.

#### IV. Topic Area: Reactor Licensing and Oversight

##### **E. Reactor Safeguards Initiatives**

SES Manager: Glenn Tracy, Chief, IOLB/DIPM

Objective: Revise physical security requirements to require power reactor licensees to identify target sets of equipment that must be protected to maintain safe operation or shutdown of the plant, develop protective strategies to protect against an armed assault by the design basis threat of radiological sabotage, and exercise these strategies periodically. Determine the feasibility of the Safeguards Performance Assessment (SPA) program, an industry initiative, as a suitable replacement for the Operational Safeguards Response Evaluation (OSRE) program. Update power reactor safeguards and security regulatory guidance for the revision to 10 CFR Part 73.55 requirements.

Coordination: Issues IV.E. "Reactor Safeguards Initiatives," and VII.R. "Threat Assessment Activities," require close coordination between NRR and NMSS staff and the integration of specific tasks. Responsible project managers from both offices are coordinating these activities by incorporating insights from threat assessment activities, as applicable, into the ongoing considerations in revising power reactor physical security requirements.

<b>Prior to September 30, 2001</b>		
Milestones	Date	Lead
1. Conduct public meetings with industry groups and other stakeholders	4/00C	R. Rosano, DIPM
2. ACRS Briefing	10/00C	R. Rosano, DIPM
3. CRGR Briefing	1/01C	R. Rosano, DIPM
4. Issue Commission paper providing third update on the Safeguards Performance Assessment (SPA) pilot program including implementation and policy issues (199800188) (SECY-01-0060)	4/5/01C	R. Albert, DIPM
5. Proposed rule to Commission (199800188) (SECY-01-0101)	6/4/01C	R. Rosano, DIPM
6. Initiate SPA pilot program	9/01C	R. Albert, DIPM

Through March 31, 2002		
Milestones	Date	Lead
7. Proposed rule published in the Federal Register with a 75-day comment period	11/01	R. Rosano, DIPM
8. Resolution of public comments	3/02	R. Rosano, DIPM
9. Final rule ACRS Briefing	3/02	R. Rosano, DIPM

Beyond March 31, 2002		
10. Final rule CRGR Briefing	4/02	R. Rosano, DIPM
11. Final rule to EDO (199800188)	5/02	R. Rosano, DIPM
12. Final rule to Commission	7/02	R. Rosano, DIPM
13. Completion of SPA pilot program	9/02	R. Albert, DIPM
14. Publication of final rule	11/02	R. Rosano, DIPM
15. Lessons Learned from SPA pilot (200100060)	1/03	R. Albert, DIPM

Comments:

3. CRGR deferred its review of the proposed rule revising 10 CFR 73.55 until the final rule stage, after the staff has received and addressed public comments on the proposed rule.
4. SECY-01-0060, "The Safeguards Performance Assessment (SPA) Pilot Program," was issued on April 5, 2001. This paper informed the Commission of implementation and policy issues associated with the initiation of the pilot program.
5. The SRM for SECY-01-0060 was issued on July 5, 2001, and approved the SPA pilot program.
14. ~~The SRM for SECY-99-241 was issued on November 22, 1999 and approved Option 3 of the rulemaking plan. The SRM for SECY-00-0063 was issued on April 12, 2000, and approved the staff's proposed approach to re-evaluate the power reactor physical protection regulations and the proposed definition of radiological sabotage by providing performance criteria as the basis for physical protection regulations. The staff issued SECY-01-0023 on February 5, 2001, providing an evaluation of public comments on SECY-00-0063. The staff has incorporated issues raised in the public comments into the performance criteria for the proposed rule. The staff issued SECY-01-0101 on June 4, 2001, which discussed extending the schedule for completing the final rule until June 2003, from the current date of November 2002, in order to take full advantage of the lessons that can be learned from completion of the one-year SPA pilot program.~~

#### **IV. Topic Area: Reactor Licensee Performance Assessment**

##### **F. Utilization of Mixed Oxide (MOX) Fuel in Nuclear Power Reactors**

SES Manager: Thomas King, Director DSARE/RES

Program Manager: Richard Lee, RES

Objectives: To modify NRC neutronics and fuel codes, to obtain the necessary experimental data needed to confirm these codes, which will be used to perform analyses to assess the risk associated with the use of MOX fuel in commercial PWRs. This program will also develop the technical basis to evaluate whether the regulatory criteria and guidelines developed for UO<sub>2</sub> fuel is adequate for MOX fuel.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Complete agreement with Institut de Protection et de Sûreté Nucléaire (IPSN), France, to obtain data on MOX fuel.	12/13/00C	A. Szukiewicz, RES
2. Issue draft agreement with Japan Atomic Energy Research Institute (JAERI) Japan, to obtain data on MOX fuel.	01/26/01C	A. Szukiewicz, RES

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
2a. Complete final agreement with JAERI and NRC.	TBD	A. Szukiewicz, RES
3. Issue draft phenomena identification and ranking tables report on reactivity insertion accidents (RIA), PWR LOCA and the applicability of NUREG-1465 source term to MOX fuel	03/02	R. Lee, RES

Beyond March 31, 2002		
Milestone	Date	Lead
4. Meet with the ACRS subcommittee to discuss PIRT results and proposed research plan to address source term issues	05/02	C. Tinkler, RES
5. This activity is long-term with an anticipated completion date (e.g., SRM, Regulatory Guide) in 2005	TBD	R. Lee, RES

Comments:

2. The agreement with JAERI includes data for both MOX and high burnup fuel (CTM Section IV.G). Draft agreement sent to JAERI for review in January 2001. Due to recent re-organization in JAERI, additional time is needed for them to review the agreement. Additional time is needed for JAERI to resolve administrative issues, with the Science and Technology Agency (STA) and other government organizations, to allow them to enter into an agreement with NRC directly.
- 3,4. Delayed because NRC is awaiting agreement from foreign countries on their participation in the PIRT panel.

#### IV. Topic Area: Reactor Licensing and Oversight

##### G. High Burnup Fuel

SES Manager: Thomas King, Director, DSARE/RES

Objectives: To develop the technical bases for confirming or revising existing criteria and analytical methods for high burnup fuel with respect to reactivity insertion accident, the loss-of-coolant accidents and requirements in 10 CFR 50.46, Appendix A and Appendix K, and related source term.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Meet with the ACRS subcommittee to discuss reactivity insertion accidents (RIA) Phenomena Identification and Ranking Tables (PIRT) results and proposed research plans	3/03/00C	R. Meyer, RES
2. Hold a public meeting to identify phenomena affecting high burnup fuel behavior under BWR anticipated transient without scram	4/06/00C	R. Meyer, RES
3. Complete umbrella agreement with Institut de Protection et de Sûreté Nucléaire (IPSN), France, to obtain data on RIA Tests for high burnup fuel.	10/23/00C	A. Szukiewicz, RES
3a. Complete bilateral agreement between IPSN and NRC.	01/26/01C	
4. Issue draft agreement with Japan Atomic Energy Research Institute (JAERI) Japan, to obtain data on RIA Tests for high burnup fuel.	01/26/01C	A. Szukiewicz, RES
5. Issue PIRT report summarizing the expert elicitation to identify, important rank phenomena affecting high burnup fuel behavior under RIA, BWR stability, and LOCAs to high burnup fuels.	07/20/01C	R. Meyer, RES
6. Meet with the ACRS subcommittee to discuss PIRT results (Milestone 5) and proposed research plans	04/04/01C	R. Meyer, RES
7. Complete LOCA Oxidation tests for Zircaloy-2	9/28/01C	S. Basu, RES

Through March 31, 2002		
Milestone	Date	Lead
8. Complete final agreement with JAERI and NRC	TBD	A. Szukiewicz

**September 28, 2001**

9. Issue an interim PIRT report on Applicability of NUREG-1465 Source Term on high burnup fuel.	03/02	C. Tinkler, RES
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<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
10. Summarize the results from 2 RIA tests at the Cabri (sodium loop) reactor and issue confirmatory assessment.	12/03	R. Meyer, RES
11. The activity is long-term with an anticipated completion date for the RIA tests and issuance of modification to (e.g., the SRM or Regulatory Guide) in 2008	TBD	R. Meyer, RES

Comments:

1. The agreement with JAERI includes data for both high burnup fuel and MOX (IV.F. - MOX). Draft agreement sent to JAERI for review in January 2001. Due to recent re-organization in JAERI, additional time is needed for them to review the agreement. Additional time needed for JAERI to resolve administrative issues, with Science and Technology Agency (STA) and other government organizations to allow them to enter into an agreement with NRC directly
10. Testing in the CABRI sodium loop has been delayed until June 2003 to obtain agreement among all participants on the remaining tests to be run in sodium loop; consequently, the associated findings have been delayed. Dates for the performance of CABRI tests are decided by a foreign entity and are not controlled by the NRC.
11. Date to complete RIA tests and issue modifications to SRM and RG revised due to the delay in completing CABRI tests by the end of CY 2007.

#### IV. Topic Area: Reactor Licensing and Oversight

##### **H. Power Upgrades**

SES Manager: S. Singh Bajwa, Director, Project Directorate III, DLPM

Objective: Review licensee applications for increased reactor power levels.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Completion of staff review for safety evaluation report for the ABB "Cross Flow" Meter Topical Report	03/20/00C	I. Ahmed, DE
2. Completion of Final Rule change revising 10 CFR 50, Appendix K	05/03/00C	J. Donoghue, DSSA
3. Completion of staff review for 5% power uprate amendment for LaSalle units ½	05/09/00C	M. Shuaibi, DLPM
4. Completion of staff review for 5% power uprate amendment for Perry	06/01/00C	M. Shuaibi, DLPM
5. Completion of staff review for 5% power uprate amendment for River Bend	10/06/00C	M. Shuaibi, DLPM
6. Completion of staff review for 2% power uprate amendment for Diablo Canyon Unit 1	10/27/00C	M. Shuaibi, DLPM
7. Completion of staff review for 1.4% power increase amendment (w/ flow meter) for Watts Bar Unit 1	01/19/01C	M. Shuaibi, DLPM
8. Completion of staff review for 5% power uprate amendments for Byron/Braidwood	05/04/01C	M. Shuaibi, DLPM
9. Completion of staff review for 1.4% power increase amendment (w/ flow meter) for Salem. Application received on 11/10/00.	05/25/01C	M. Shuaibi, DLPM
10. Completion of staff's Acceptance Review of GE topical report on BWR Constant Pressure Power Uprate	06/13/01C	M. Shuaibi, DLPM
11. Completion of staff review of Susquehanna 1.4% power uprate amendment request. Application received on 10/30/00.	07/06/01C	M. Shuaibi, DLPM
12. Completion of staff review of San Onofre 2/3 1.4% power uprate amendment request. Application received on 04/03/01.	07/06/01C	M. Shuaibi, DLPM

Prior to September 30, 2001		
13. Completion of staff review of Hope Creek 1.4% power uprate amendment request. Application received on 12/01/00.	07/30/01C	M. Shuaibi, DLPM
14. Completion of staff review of Beaver Valley Units 1 and 2 1.4% power uprate amendment request. Application received on 1/18/01.	09/24/01C	M. Shuaibi, DLPM
15. Completion of staff review of Shearon Harris 4.5% power uprate amendment request. Application received on 12/14/00.	09/28/01 10/12/01	M. Shuaibi, DLPM
16. <del>Complete review of Comanche Peak Units 1 &amp; 2 1.4% and 0.4% power uprate amendments. Applications received on 4/5/01.</del>	09/28/01	<del>M. Shuaibi, DLPM</del>

Through March 31, 2002		
Milestone	Date	Lead
16. Complete review of Comanche Peak Units 1 / 2 1.4% and 0.4% power uprate amendments. Applications received on 4/5/01.	09/28/01 10/15/01	M. Shuaibi, DLPM
17. Completion of staff review of Duane Arnold 15% power uprate amendment request. Application received on 11/17/00.	10/30/01	M. Shuaibi, DLPM
18. Completion of staff review of Dresden 2 17% power uprate amendment requests. Applications received on 12/29/00.	11/30/01	M. Shuaibi, DLPM
19. Completion of staff review of Dresden 3 17% power uprate amendment requests. Applications received on 12/29/00.	11/30/01	M. Shuaibi, DLPM
20. Completion of staff review of Quad Cities 1 17.8% power uprate amendment requests. Applications received on 12/29/00.	11/30/01	M. Shuaibi, DLPM
21. Completion of staff review of Quad Cities 2 17.8% power uprate amendment requests. Applications received on 12/29/00.	11/30/01	M. Shuaibi, DLPM
22. Completion of staff review of GE topical report for BWR Thermal Power Optimization Power Uprates (Measurement Uncertainty Recapture Power Uprates)	12/31/01	M. Shuaibi, DLPM

Through March 31, 2002		
23. Completion of staff review for SER on GE topical report on the BWR Constant Pressure Power Upgrades (Extended Power Upgrades). Revised application received on 7/26/2001. [Moved to item 26]	TBD	M. Shuaibi, DLPM
23. Completion of staff review of Arkansas Nuclear One Unit 2 7.5% power uprate amendment request. Application received on 12/19/00.	03/2002	M. Shuaibi, DLPM
24. Completion of staff review of Clinton 20% power uprate amendment request. Application dated 6/18/01.	03/2002	M. Shuaibi, DLPM

Beyond March 31, 2002		
Milestone	Date	Lead
25. Completion of staff review of Brunswick Units 1 and 2 15% power uprate amendment requests. Application dated 08/09/01.	TBD 06/2002	M. Shuaibi, DLPM
26. Completion of staff review for SER on GE topical report on the BWR Constant Pressure Power Upgrades (Extended Power Upgrades). Revised application received on 7/26/2001.	TBD	M. Shuaibi, DLPM
27. Completion of staff review of South Texas Units 1 and 2 1.4% power uprate amendment requests. Application dated 08/22/01.	TBD	M. Shuaibi, DLPM

Comments:

14. Schedule revised due to licensee's prioritization/need of license amendments under staff review. Licensee requested that other amendments related to Unit 1 outage be assigned a higher priority to ensure no delay in restart from the outage. Amendment for power uprate was in concurrence with issuance expected by September 24.
16. Licensee's final response to staff RAI received on September 10, 2001. The staff is finalizing the amendment package for concurrence and expects issuance by October 15. The 0.4% uprate for Comanche Peak Unit 2 can be implemented upon NRC approval. Unit 1 uprate can be implemented in spring 2002 following implementation of plant modifications.
27. New item added to the CTM.

#### IV. Topic Area: Reactor Licensing and Oversight

##### I. Steam Generator Action Plan

SES Manager: Jack Strosnider, Director, DE

Objective: The objective of the Steam Generator Action Plan (SGAP) is to ensure that safety from a steam generator tube integrity standpoint is maintained, that public confidence associated with steam generator tube integrity is improved, and that NRC and stakeholder resources are effectively and efficiently utilized. The SGAP is intended to direct and monitor the NRC's effort in this area and to ensure that related issues are appropriately tracked and dispositioned.

Prior to September 30, 2001		
Milestone	Date	Lead
1. (SGAP Item 1.11) Review the NRC inspection program and, if necessary, revise guidance to inspectors on overseeing facility eddy current inspection of steam generators. This involves the following major substeps: a) review and revise the baseline inspection program. b) review how ISI results/degraded conditions should be assessed for significance by a risk-informed SDP and define needed revisions to the SDP	04/30/01C 09/28/01	C. Khan, DE S. Long, DSSA
2. (SGAP Item 1.14) Staff completes review and draft safety evaluation of NEI 97-06 including addressing issues raised in OIG report and IP2 lessons learned report	TBD	E. Murphy, DE
3. (SGAP Item 1.19) Issue generic communication related to steam generator operating experience and status of steam generator issues	09/28/01	Z. Fu, DE
4. (SGAP Item 2.6) Incorporate experience gained from the IP2 event and the SDP process into planned initiatives on risk communication and outreach to the public	TBD	TBD, PMAS
5. (SGAP Item 2.8) Review and revise, as appropriate, the amendment review process, including concurrence responsibilities, supervisory oversight, and second-round requests for additional information. a) Develop OI LIC-101 b) Develop a process for NRR request and RES review of NRR SEs.	08/20/01C 11/30/01	M. Banerjee M. Fields, DLPM
6. (SGAP Item 1.20) Staff briefs Commission on endorsing NEI 97-06 (199400048)	TBD	T. Sullivan, DE

September 28, 2001

Prior to September 30, 2001		
Milestone	Date	Lead
7. (SGAP Item 1.21) Staff issues endorsement package on NEI 97-06 in a safety evaluation and includes the approval of the generic technical specification change in a Regulatory Issue Summary	TBD	E. Murphy DE

Through March 31, 2002		
Milestone	Date	Lead
6. (SGAP Item 1.11) Review the NRC inspection program and, if necessary, revise guidance to inspectors on overseeing facility eddy current inspection of steam generators. This involves the following major substeps: a) develop and issue draft revision of risk-informed SDP using information identified in 1.b.4 above b) review and revise the training program for inspectors	11/30/01  11/30/01	P. Koltay, DIPM  E. Kleeh, DIPM
b.1) Provide training materials to regions b.2) Provide formal training to regional inspectors	10/01/01 02/02/02	
7. (SGAP Item 3.2) Confirm that damage progression via jet cutting of adjacent tubes is of low enough probability that it can be neglected in accident analyses.	12/31/01	J. Muscara, RES

Beyond March 31, 2002		
Milestone	Date	Lead
8. (SGAP Item 1.20) Staff briefs Commission on endorsing NEI 97-06 (199400048)	TBD 04/30/02	T. Sullivan, DE
9. (SGAP Item 1.21) Staff issues endorsement package on NEI 97-06 in a safety evaluation and includes the approval of the generic technical specification change in a Regulatory Issue Summary	TBD	E. Murphy DE
10. (SGAP Item 3.5) Develop improved methods for assessing the risk associated with SG tubes under accident conditions.	06/28/03	E. Thornsby, RES
11. (SGAP Item 3.9) Develop a more technically defensible position on the treatment of radionuclide release to be used in the safety analyses of design basis events.	08/15/02	J. Hayes, DSSA

Beyond March 31, 2002		
12. (SGAP Item 3.11) In order to resolve GSI 163, it is necessary to complete the work associated with SGAP Items 3.1 through 3.5 and 3.7 through 3.9. Upon completion of those tasks, develop detailed milestones associated with preparing a GSI resolution document and obtaining the necessary approvals for closing the GSI, including ACRS acceptance of the resolution.	12/31/06 12/31/05	M. Banerjee, DLPM

General Comments:

1. The SGAP was originally issued via a memorandum from B. Sheron and J. Johnson to S. Collins dated November 16, 2000, "Steam Generator Action Plan" (ADAMS ML003770259).
2. The SGAP was revised via a memorandum from J. Zwolinski, J. Strosnider, B. Boger and G. Holahan to B. Sheron and R. Borchardt dated March 23, 2001, "Steam Generator Action Plan Revision and Completion of Item Nos. 1.1, 1.2, 1.3, 1.4, 1.7, 1.8, 1.15, 2.1 and 2.2" (ADAMS ML 010820457), and via a memorandum from S. Collins and A. Thadani to W. Travers dated May 11, 2001, "Steam Generator Action Plan Revision to Address Differing Professional Opinion on Steam Generator Tube Integrity (WITS Item 200100026)," (ADAMS ML011300073).

Milestone Comments:

- 1a. Details regarding completion of this milestone is discussed in a memorandum from J. Strosnider to B. Sheron and R. Borchardt dated April 30, 2001 (ADAMS ML011210293).
- 1.b1 The target completion dates for these milestones were changed due to resource considerations.
- 2,9. The scheduled completion dates for these milestones are dependent on industry actions related to NEI 97-06, "Steam Generator Program Guidelines." The schedule is currently being reevaluated.
4. The lead responsibility for this milestone has recently been changed from IRO to NRR. The schedule is currently being reevaluated.
5. This milestone has been broken down to reflect two separate activities. ~~The schedule for 5.b is currently being evaluated.~~
- 6.b. The milestone has been broken down into two separate activities that supports the licensees' Fall refueling outages and the staff's resource considerations.

8. The revised date is established by a memo from J. Strosnider to J. Craig, dated July 23, 2001.
- 9-13. These milestones were added based on the May 11, 2001 revision of the SGAP (see General Comment 2). The final completion date for each milestone is shown in the above table along with specific subtasks that are scheduled for completion prior to the end of FY2002 (i.e., prior to October 1, 2002).
12. The revised date is considered more realistic based on the assumed need of a large scale test (SGAP item 3.4.h.3) scheduled to be completed by November 30, 2005. This revised date is consistent with the NRR Director's Quarterly Status Report.

**IV. Topic Area: Reactor Licensing and Oversight**

**J. Future Licensing Readiness**

SES Manager: James Lyons, Director, NRR/ADIP/FL-~~FL~~**NRLPO**

Objective: Prepare the NRC staff for new applications, (i.e. early site permits, design certifications, and combined licenses), assessing technical, licensing, and inspection capabilities, and identifying any necessary enhancements.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Staff Requirements Memorandum	2/13/01	
2. SRM response describing future licensing preparation activities (20010018)	5/01/01C	J. Sebrosky,

Through March 31, 2002		
Milestone	Date	Lead
3. Submit a SECY paper (with recommendations) to the Commission resulting from the Future Licensing and Inspection Readiness Assessment (FLIRA) (20010018)	9/28/01 <b>10/01</b>	N. Gilles, <b>NRLPO</b>

Beyond March 31, 2002		
Milestone	Date	Lead

Comments:

- Paper is in the review and concurrence process. Should be issued by mid-October 2001.**

**IV. Topic Area: Reactor Licensing and Oversight**

**K. Instrumentation and Control Research Program**

SES Manager: Daniel Dorman, Chief, ERAB/DET/RES

Objective: To assure that the current level of plant safety is maintained as digital systems are integrated into current and future plants in the face of ever changing technology.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Issue Reg. Guide 1.180 on Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) in safety-related instrumentation and control (I&C)	01/31/00C	C. Antonescu, RES
2. Issue report documenting the technical issues associated with test coverage for digital systems.	11/31/00C	J. Calvert, RES
3. Issue report documenting the state-of-the-art in software testing and reliability modeling.	11/31/00C	B. Brill, RES
4. Issue Commission paper on the Digital Instrumentation and Control Research Plan. (200100053)	08/15/01C	S. Arndt, RES
6. Issue for public comment Draft Reg. Guide 1077 on effects of temperature, humidity and smoke effects on digital systems.	09/26/01C	C. Antonescu, RES

Through March 31, 2002		
Milestone	Date	Lead
5. Issue complete report on the status of Emerging Technologies.	<del>09/28/01</del> 11/30/01	J. Calvert, RES
7. Issue for public comment Reg. Guide 1.180 Rev 1 on EMI/RFI in safety related I&C.	12/01	C. Antonescu, RES
8. Issue report on the effects of emerging digital technology on the potential vulnerabilities of nuclear power plants to cyber-terrorism.	03/02	R. Shaffer, RES

Beyond March 31, 2002		
Milestone	Date	Lead
9. Issue report on the advantages and disadvantages of digital system diagnosis and fault tolerant techniques.	12/02	J. Calvert, RES
10. Issue report on the use of wireless technology in nuclear power plant applications.	12/03	C. Antonescu, RES

Comments:

4. SECY-01-0155 signed August 15, 2001.
5. The report requires extensive review and revision and due to the unforeseen absence of the Team Leader additional time is needed to complete the report.

**V. Topic Area: License Renewal**

**A. License Renewal (includes Plant Specific Reviews and Generic Process Improvements)**

SES Manager: Chris Grimes, Chief, RLSB/DRIP/NRR

Objective: Demonstrate that license renewal applications submitted under 10 CFR Parts 54 & 51 can be reviewed effectively, efficiently, and promptly.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Receive Arkansas Nuclear One, Unit 1, (ANO-1) license renewal application	2/1/00C	C. Grimes, DRIP
2. Issue Supplemental SER and Final Environmental Impact Statement - Oconee	2/3/00C	C. Grimes, DRIP
3. ACRS subcommittee meeting on Oconee Supplemental SER	2/24/00C	C. Grimes, DRIP
4. Receive Hatch, Units 1 and 2, license renewal application	3/1/00C	C. Grimes, DRIP
5. ACRS full committee meeting on Oconee Supplemental SER	3/2/00C	C. Grimes, DRIP
6. License renewal decision complete for Calvert Cliffs	3/23/00C	C. Grimes, DRIP
7. License renewal decision complete for Oconee	5/23/00C	C. Grimes, DRIP
8. Issue draft Generic Aging Lessons Learned (GALL) report, Standard Review Plan (SRP), and Regulatory Guide (RG)/industry implementation guideline (NEI 95-10) for public comment (199900103)	8/31/00C	C. Grimes, DRIP
9. Receive Turkey Point, Units 3 and 4, license renewal application	9/11/00C	C. Grimes, DRIP
10. Issue ANO-1 Draft Environmental Impact Statement Supplement	10/3/00C	C. Carpenter, DRIP
11. Issue Hatch Draft Environmental Impact Statement Supplement	11/3/00C	C. Carpenter, DRIP
12. Commission briefing on GALL report , SRP, and RG/NEI 95-10 public comments (199900103)	12/4/00C	C. Grimes, DRIP

**September 28, 2001**

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
13. Issue ANO-1 Safety Evaluation Report (SER) and identify open items	1/10/01C	C. Grimes, DRIP
14. Issue Hatch SER and identify open items	2/7/01C	C. Grimes, DRIP
15. Submit final GALL report and SRP to the Commission for approval (199600056)	4/26/01C	C. Grimes, DRIP
16. Issue ANO-1 Final Environmental Impact Statement Supplement	4/5/01C	C. Carpenter, DRIP
17. Receive Surry, Units 1 and 2, and North Anna, Units 1 and 2, license renewal applications	5/29/01C	C. Grimes, DRIP
18. Receive McGuire, Units 1 and 2, and Catawba, Units 1 and 2, license renewal applications	6/14/01C	C. Grimes, DRIP
19. Receive Peach Bottom, Units 2 and 3, license renewal application	7/2/01C	C. Grimes, DRIP
20. Issue Hatch Final Environmental Impact Statement Supplement	5/31/01C	C. Carpenter, DRIP
21. Issue Turkey Point Draft Environmental Impact Statement Supplement	6/12/01C	C. Carpenter, DRIP
22. Issue Turkey Point SER and identify open items	8/17/01C	C. Grimes, DRIP
23. Provide recommendations to the Commission regarding potential rulemaking (199900104)	8/17/01C	C. Grimes, DRIP
24. Issue ANO-1 Supplemental SER	4/12/01C	C. Grimes, DRIP
25. Decision on ANO-1 license renewal	6/12/01C	C. Grimes, DRIP

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
26. Issue Hatch Supplemental SER	10/01	C. Grimes, DRIP
27. Issue Turkey Point Final Environmental Impact Statement Supplement	1/02	C. Carpenter, DRIP
28. Decision on Hatch license renewal	3/21/02	C. Grimes, DRIP

Beyond March 31, 2002		
Milestone	Date	Lead
29. Issue Turkey Point Supplemental SER	4/02	C. Grimes, DRIP
30. Issue Surry and North Anna Supplemental SER	11/02	C. Grimes, DRIP
31. Issue Surry and North Anna Final Environmental Impact Statement Supplements	12/02	C. Carpenter, DRIP
32. Issue McGuire and Catawba Supplemental SER	1/03	C. Grimes, DRIP
33. Issue McGuire and Catawba Final Environmental Impact Statement Supplements	1/03	C. Carpenter, DRIP
34. Issue Peach Bottom Supplemental SER	2/03	C. Grimes, DRIP
35. Issue Peach Bottom Final Environmental Impact Statement Supplement	2/03	C. Carpenter, DRIP
36. Decision on Turkey Point license renewal	3/10/03	C. Grimes, DRIP
37. Decision on Surry and North Anna license renewal	11/03	C. Grimes, DRIP
38. Decision on McGuire and Catawba license renewal	12/03	C. Grimes, DRIP
39. Decision on Peach Bottom license renewal	1/04	C. Grimes, DRIP

Comments:

15. ~~The SRP, GALL report, RG/NEI 95-10 were submitted to the Commission for approval by SECY-01-0074, dated April 26, 2001. A Commission briefing was provided on June 14, 2001. By SRM dated July 2, 2001, the Commission approved the staff's recommendation to publish the SRP and RG for implementation and the documents were published in July 2001.~~

22. ~~The Turkey Point SER with open items was issued on August 17, 2001.~~

23. ~~The staff's recommendation regarding the need for license renewal rulemaking was provided to the Commission in SECY-01-0157, August 17, 2001.~~

30-33. ~~Added milestones for the Surry, North Anna, McGuire, and Catawba application reviews.~~

34-35. Added milestones for completion of the Peach Bottom application review.

37. ~~The staff is currently completing it's acceptance review and developing the schedule for the Peach Bottom application. Additional milestones will be added when the final schedule is issued.~~

**VI. Topic Area: License Transfers**

**A. License Transfers**

SES Manager: John Zwolinski, Director, DLPM

Objective: To ensure that license transfers are conducted in a timely and technically correct manner and that review and submittal guidance is appropriately disseminated.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Complete the order and conforming amendment for the direct license transfer for Oyster Creek resulting from the sale to AmerGen.	6/6/00C	E. Adensam, PDI
2. Complete the orders and conforming amendments for the direct license transfers for Monticello and Prairie Island 1/2 resulting from the merger of Northern State Power and New Central Energy.	5/15/00C	S. Bajwa, PDIII
3. Complete the orders and conforming amendments for the license transfers for Duane Arnold, Kewaunee, Monticello, Point Beach 1/2, and Prairie Island 1/2 resulting from the formation of the Nuclear Management Company, LLC, to operate these facilities.	5/15/00C	S. Bajwa, PDIII
4. Complete the orders for the indirect license transfers for Hope Creek, Peach Bottom 2/3, and Salem 1/2 resulting from the acquisition of Conectiv's interest in the facility by PSEG Nuclear.	4/21/00C	E. Adensam, PDI
5. Complete the orders and conforming amendments for the direct license transfers for Susquehanna 1/2 resulting from the restructuring of PP&L Inc. to PPL Susquehanna, LLC.	6/6/00C	E. Adensam, PDI
6. Complete the orders and conforming amendments for Braidwood 1/2, Byron 1/2, Dresden 1/2/3, LaSalle 1/2, Limerick 1/2, Peach Bottom 2/3, Quad Cities 1/2, Salem 1/2, and Zion 1/2 resulting from the merger of UNICOM and PECO.	8/3/00C	S. Bajwa, PDIII
7. Complete the orders for Indian Point 1/2, Millstone 1/2/3, and Seabrook resulting from the merger of Consolidated Edison and Northeast Utilities.	8/22/00C	E. Adensam, PDI
8. Complete the order and conforming amendment for the acquisition of Vermont Yankee by AmerGen.	7/7/00C	E. Adensam, PDI

Prior to September 30, 2001		
9. Complete the order for the acquisition of Florida Progress (Crystal River 3) by Carolina Power & Light.	5/22/00C	H. Berkow, PDII
10. Complete the order and conforming amendment for Trojan resulting from the acquisition of Portland General Electric by Sierra Pacific Resources.	7/27/00C	S. Richards, PDIV
11. Complete the order and conforming amendment for Waltz Mills resulting from the merger of CBS Corporation and VIACOM.	4/13/00C	L. Marsh, REXB
12. Complete the orders for Seabrook and Millstone 3 resulting from a minority owner reorganization (United Illuminating Company).	7/18/00C	E. Adensam, PDI
13. Complete the orders and conforming amendments for Calvert Cliffs 1/2 resulting from the restructuring of Baltimore Gas & Electric, and its parent company (Constellation Energy).	6/30/00C	E. Adensam, PDI
14. Complete the orders and conforming amendments for Palo Verde 1/2/3 resulting from the reorganization of Public Service Company of New Mexico (minority owner).	9/29/00C	S. Richards, PDIV
15. Complete the orders and conforming amendments for Indian Point 3 and Fitzpatrick resulting from the acquisition of the plants by Entergy.	11/9/00C	E. Adensam, PDI
16. Complete the orders and conforming amendments for Palo Verde 1/2/3 resulting from the restructuring of El Paso Electric Company.	12/04/00C	S. Richards, PDIV
17. Complete the orders and conforming amendments for Clinton, Oyster Creek, and TMI 1, resulting from the merger of UNICOM and PECO (AmerGen).	12/21/00C	E. Adensam, PDI
18. Complete the orders and conforming amendments for transfer of ownership of Salem 1/2, Hope Creek, and Peach Bottom 2/3 from Atlantic City Electric and Delmarva Power to PECO and PSEG Nuclear LLC.	12/27/00C	E. Adensam, PDI
19. Complete the order and conforming amendment for Vermont Yankee resulting from the merger of UNICOM and PECO/AmerGen.	Order Expired 7/1/01	E. Adensam, PDI
20. Complete the orders and conforming amendments for Millstone 1/2/3 resulting from the acquisition of the plants by Dominion Nuclear Connecticut.	3/9/01C	E. Adensam, PDI

Prior to September 30, 2001		
21. Complete the order and conforming amendments for the indirect transfer of TMI 2 and Saxton (demonstration reactor) resulting from the proposed merger of GPU, Inc. and First Energy Corporation.	3/07/01C	S. Richards, PDIV
22. Complete the license transfer order for Wolf Creek resulting from the restructuring of Kansas City Power & Light into a corporate holding company	6/01/01C	S. Richards, PDIV
23. Complete the orders and conforming amendments for Indian Point 1/2 resulting from the acquisition of the plants by Entergy Corporation from Consolidated Edison	8/27/01C	E. Adensam, PDI
24. Complete the order and conforming amendment for Palisades resulting from the merger of Consumers Energy Company (owner of Palisades) with Nuclear Management Company LLC.	4/19/01C	S. Bajwa, PDIII
25. Complete the license transfer order for Calvert Cliffs 1/2 resulting from a corporate realignment of Constellation Energy Group, Inc., which will transfer control of the plant to Calvert Cliffs Nuclear Power Plant, LLC.	6/19/01C	E. Adensam, PDI
26. Complete the license transfer order for Nine Mile Point 1/2 transferring ownership of the plant to Constellation Nuclear, LLC.	6/22/01C	E. Adensam, PDI
27. Complete the indirect license transfer order for Susquehanna 1/2 transferring ownership of the plant to PPL Energy Supply, LLC, a newly-formed and intermediary parent company.	5/25/01C	E. Adensam, PDI
28. Complete the direct license transfer order for transfer of the extent of ownership of Kewaunee held by Madison Gas & Electric to Wisconsin Public Service Corporation.	9/20/01C	S. Bajwa, PDIII
29. Complete the revision of existing 9/29/00 license transfer order to Public Service Company of New Mexico for Palo Verde resulting from New Mexico Senate Bill 266 which delays deregulation in New Mexico.	6/25/01C	S. Richards, PDIV

Through March 31, 2002		
Milestone	Date	Lead

Through March 31, 2002		
30. Complete the direct license transfer order for transfer of ownership of North Anna 1/2 and Surry 1/2 from Virginia Electric Power Co. to Dominion Generation.	11/29/01	H. Berkow, PDII
31. Complete the indirect license transfer orders for R.E. Ginna and Nine Mile Point 2 transferring ownership of the plants from Rochester Gas & Electric to Energy East Corporation.	1/9/02	E. Adensam, PDI
32. Complete the license transfer orders for McGuire 1/2, Oconee 1/2/3, and Catawba 1/2 transferring operating authority for the plants to Duke Energy Nuclear, LLC, a new, wholly owned subsidiary of Duke Energy Corp.	TBD	H. Berkow, PDII
33. Complete the license transfer orders for Comanche Peak 1&2 resulting from restructuring of TXU Electric to conform to the deregulation laws of the State of Texas.	<del>42/15/01</del> 12/31/01	S. Richards, PDIV
34. Complete the license transfer orders for South Texas 1/2 resulting from restructuring of STP Nuclear Operating Company to conform to the deregulation laws of the State of Texas.	12/31/01	S. Richards, PDIV
35. Complete the direct transfer of the Central Power & Light Co. interest in South Texas 1&2 to CPL Genco LP, a wholly owned subsidiary of American Electric Power Co.	12/31/01	S. Richards, PDIV
36. Complete the review of the license transfer order for the Aerotest Radiography and Research Reactor.	TBD	P. Madden, DRIP/REXB
37. Complete the license transfer order for Pilgrim Unit 1 to change the plant operator to Entergy Nuclear Operations.	TBD	E. Adensam, PDI
38. Complete the indirect license transfer for Millstone Units 1/2/3. to Dominion Energy Holdings, Inc., a newly created intermediate subsidiary of Dominion Resources, Inc.	11/30/01	E. Adensam, PDI

Beyond March 31, 2002		
Milestone	Date	Lead
None		

Comments:

19. The license transfer order ~~involving AmerGen~~ ~~has expired on 7/1/01. Vermont Yankee is proceeding~~ **proceeded** with a public auction process to determine the new owner of the plant. ~~AmerGen has agreed to withdraw the two existing applications, so they can be formally closed out.~~ **On August 15, 2001, Vermont Yankee and Entergy announced an agreement to sell the Vermont Yankee nuclear power plant to Entergy Nuclear Vermont Yankee LLC, a subsidiary of Entergy Corporation. By letter dated August 27, 2001, AmerGen has withdrawn the two existing applications.**
23. ~~RGEB had issued an RAI re: decommissioning funding and licensee financial qualifications. As a result of the recent cancellation of the Entergy/FPL merger, RGEB issued another question re: Entergy's financial qualifications. Based on the licensee's 4/16/01 response to the RAI, the staff determined that further details are required, and a supplemental RAI was issued, with a request for licensee response by 6/4/01. Licensee response to the supplemental RAI has been received, and is being reviewed by the staff. The additional review required has resulted in revision of the Order issue target date.~~ **The license transfer order was issued on August 27, 2001.**
36. **The license transfer order for the Aerotest Radiography and Research Reactor was issued without complete NRC review. The current review is being conducted by OGC according to an Action Plan to complete the review after the fact.**

**VII. Topic Area: Materials and Waste Programs**

**A. Dual Purpose Spent Fuel Cask Reviews**

**1) BNFL FuelSolutions - FuelSolutions Cask Review**

SES Manager: Charles L. Miller, Deputy Director, Licensing and Inspection Directorate, SFPO

Patricia K. Holahan, Chief, Rulemaking and Guidance Branch, Division of Industrial and Medical Nuclear Safety (IMNS)

Project Manager: Mary Jane Ross-Lee

Objective: To issue a Part 72 storage Safety Evaluation Report (SER) and certificate of compliance (through rulemaking) and a Part 71 (transportation) certificate of compliance for the FuelSolutions dual-purpose cask system.

Coordination: The Part 72 (storage) SER and certificate of compliance (CoC) have been issued in draft for rulemaking. SFPO coordinated with OGC and IMNS to complete rulemaking and issued the CoC in January 2001.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Staff issues draft storage SER and CoC for rulemaking	4/27/00C	M. Ross-Lee, SFPO
2. Staff completes rulemaking; issues CoC for use under Part 72	1/30/01C	M. Tokar, SFPO

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
None		

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
3. Staff issues Part 71 CoC and SER	5/31/02	M. Ross-Lee, SFPO

Comments:

- On April 20, 2001, BNFL Fuel Solutions (BFS) submitted an application for a new transportation package to be used with the Fuel Solutions storage system. SFPO has established the schedule for completion of the 10 CFR Part 71 transportation review.

**VII. Topic Area: Materials and Waste Programs**

**A. Dual Purpose Spent Fuel Cask Reviews**

**2) NAC-UMS Cask Review**

SES Manager: Charles L. Miller, Deputy Director, Licensing and Inspection Directorate,  
Spent Fuel Project Office (SFPO)

Patricia K. Holahan, Chief, Rulemaking and Guidance Branch, Division of  
Industrial and Medical Nuclear Safety (IMNS)

Project Manager: Steven Baggett (SFPO)

Objective: To issue a Part 72 storage Safety Evaluation Report (SER) and certificate of compliance (through rulemaking) and a Part 71 transportation certificate of compliance (CoC) for the NAC-UMS dual purpose cask system.

Coordination: The Part 72 storage SER and certificate of compliance have been issued in draft for rulemaking. SFPO coordinated with OGC and IMNS to complete the rulemaking, and issued the certificate of compliance for use in October 2000.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Staff completes rulemaking; issues CoC for use under Part 72	10/02/00C	M. Tokar, SFPO

<b>Through March 31, 2002</b>		
Milestone	Date	Lead

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
2. Issue Part 71 SER and CoC	TBD	S. Baggett, SFPO

Comments:

- On July 16, 1999, NAC submitted an amendment request for the Part 72 application to include all fuel to be stored at Maine Yankee. At the request of NAC to expedite the review of the storage amendment, the staff agreed to a delay in the review of the NAC-UMS transportation application, after issuing a Request for Additional Information (RAI) in August 1999. NAC responded to the staff's August 1999 RAI on June 29, 2000.

On October 26, 2000, NAC withdrew its June 29, 2000 RAI response, based on deficiencies identified by the staff. NAC submitted revised responses dated March 14 and March 30, 2001 to address the original RAI. SFPO staff issued another Request for Additional Information on June 14, 2001, requesting the applicant's response by August 13, 2001. NAC has notified SFPO that they will not be able to respond until September 4, 2001 **by the requested date and will provide a new projected response date**. NAC understands that NRC will develop and issue a revised schedule for the review upon receiving a complete response to the staff's RAIs.

## **VII. Topic Area: Materials and Waste Programs**

### **B. ISFSI Licensing - Private Fuel Storage**

SES Manager: Charles L. Miller, Deputy Director, Licensing and Inspection Directorate,  
Spent Fuel Project Office (SFPO)

Project Manager: Mark Delligatti

Objective: Complete all actions associated with the review of the Private Fuel Storage, LLC application (includes: development of a Safety Evaluation Report, an Environmental Impact Statement, and completion of adjudicatory hearings before the Atomic Safety and Licensing Board).

Coordination: The SFPO coordinates with the OGC, particularly on matters associated with the adjudicatory proceedings before the Atomic Safety and Licensing Board. In addition, the staff has sought and received review assistance for the review of the financial aspects of the license application, accident analysis, and review of the Emergency Plan and geotechnical issues from NRR. Review assistance is also being received from NMSS for the review of the physical security plan and fire protection issues. This assistance has also extended to activities related to the hearings.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Issue Draft Environmental Impact Statement (EIS)	6/23/00C	M. Delligatti, SFPO
2. Staff issues supplement to Safety Evaluation Report (SER)	9/29/00C	M. Delligatti, SFPO
3. Begin ASLB Hearing on Safety Contentions (Round 1)	6/19/00C	G. P. Bollwerk, ASLB
4. Issue Final SER	9/29/00C	M. Delligatti, SFPO

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
5. Issue Final EIS and supplement <b>revision</b> to SER	<del>01/31/02</del> <b>12/21/01</b>	M. Delligatti, SFPO

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead

September 28, 2001

Beyond March 31, 2002		
6. Hearing on Environmental Contentions and Remaining Safety Contentions (Round 2)	TBD 4/8-26/02	G. P. Bollwerk, ASLB
7. Final Decision on Licensing	TBD	

Comments:

- 5-7. The staff has developed a new schedule for completion of a supplement to the revised SER and for release of the Final EIS, to address changes to the PFS license application. On March 30, April 5, April 10, April 13, April 16, and May 31, 2001, PFS submitted revised information on aircraft hazards and geotechnical analyses. NRC and PFS staff are reviewing the new schedule for completing the SER supplement and Final EIS, as a result of further PFS clarification of the aircraft crash data and revised seismic analyses. According to its revised schedule, the staff will issue a revised SER chapter on aircraft hazards by November 13, 2001. All other revisions to the SER, including seismic analyses, will be issued by December 21, 2001. The staff will also issue the final EIS by December 21, 2001. The ASLB was informed of the change in the staff's review schedule on June 20, 2001; the hearing schedule will be revised by the ASLB. The ASLB has rescheduled the second round of hearings for April 8-26, 2002. A final Commission decision on licensing will take place after the hearings are concluded.

**VII. Topic Area: Materials and Waste Programs**

**C. Generic Spent Fuel Transportation Studies**

**1) Re-examination of Spent Fuel Shipment Risk Estimates, NUREG/CR-6672**

**2) Package Performance Study: "Update of Spent Fuel Shipping Container Performance in Severe Highway and Railway Accidents"**

SES Manager: Michael Mayfield, Director, DET/RES

Project Manager: Andrew Murphy, DET/RES

Objective: Reassess previous assumptions and analysis contained in: (1) NUREG-0170, "Final Environmental Statement on the Transportation of Radioactive Material by Air and Other Modes," and (2) NUREG/CR-4829, "Shipping Container Response to Severe Highway and Railroad Accidents."

Coordination: The Spent Fuel Project Office (SFPO) will coordinate internally with HLW, OGC, NRR, RES, OPA, OCA, and OSTP, and externally with the U.S. Department of Transportation to ensure that all technical, regulatory and stakeholder issues are considered and addressed.

Staff conducted a series of public meetings in November-December 1999 and in August/September 2000 to obtain public stakeholder views on spent fuel package performance under severe accidents. NMSS and RES are coordinating on possible follow-on analyses and testing, which may be recommended. As of March 2001, RES has assumed the lead on this issue, as some additional confirmatory analyses and/or testing is planned. NMSS/SFPO will continue to provide support for further public interaction.

<b>Prior to September 30, 2001</b>		
<b>Milestone</b>	<b>Date</b>	<b>Lead</b>
1. Publish reassessment of NUREG-0170 (NUREG/CR-6672)	3/29/00C	J. Cook, SFPO
2. Publish Phase I of Package Performance Study report: results of public meetings and contractor reviews	6/30/00C	R. Lewis, SFPO
3. After NRC review and assessment of public comments on NUREG/CR-6672 and Phase I of Package Performance Study report, NMSS determines if additional actions are required	12/00C	S. Shankman, SFPO
4. Complete Review of Sandia National Labs Proposal (NRC Form 189) for Package Performance Study (PPS)	08/15/01C	A. Murphy, RES

**September 28, 2001**

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
5. Complete Prospectus Soliciting Co-funding Partners (Domestic and International) for PPS	11/01	A. Murphy, RES
6. Complete review of SNL test protocols for impact and fire tests.	02/02	A. Murphy, RES

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
7. Complete review of SNL test protocol for spent nuclear fuel response to impacts.	05/02	A. Murphy, RES
8. Complete review of SNL report on barge accident event trees.	07/02	A. Murphy, RES
9. Complete review of SNL report on tractor trailer accident event trees.	09/03	A. Murphy, RES

Comments:

**VII. Topic Area: Materials Programs and Waste Programs**

**C. Generic Spent Fuel Transportation Studies**

**3) Burnup Credit for Transportation**

SES Manager: Thomas King, Director, DSARE/RES

Objective: To develop the technical bases to allow the utilization of burnup credit in such areas as spent fuel transportation packages, on-site dry storage, reactor pool storage, and disposal of high level waste in a repository.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Hold a series of three public meetings to identify phenomena affecting burnup credit	05/18/00C 08/24/00C 12/14/00C	NMSS/RES
2. Develop proposal for activities with France Institute de Protection et du Surte Nucleaire (IPSN)	06/29/00C	A. Szukiewicz, RES
3. Present proposal to Japan Atomic Energy Research Institute (JAERI) to obtain data on burnup credit	09/29/00C	A. Szukiewicz, RES
4. Issue draft Phenomena Identification and Ranking Tables (PIRT) report summarizing the expert elicitation to identify, and rank important phenomena affecting burnup credit	02/26/01C	D. Ebert, RES
5. Develop the technical bases to reduce uncertainty and refine the NRC technical position on review and acceptance of extended burnup credit package design	09/28/01C	R. Lee, RES

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
None		

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
None		

**VII. Topic Area: Materials Programs and Waste Programs**

**C. Generic Spent Fuel Transportation Studies**

**4) Characterization of Fuel Stored in Dry Cask**

SES Manager: Michael Mayfield, Director DET/RES and  
Jack Rosenthal, Branch Chief, SMSAB/DSARE/RES

Objective: Develop the technical basis to establish standard review plans for the renewal of certificates for Spent Fuel Storage Dry Casks.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Complete scoping study on the effects of zinc vapor on the mechanical properties of fuel cladding, assess the need for additional research	4/06/00C	M. Mayfield, DET
2. Provide preliminary consequence analysis for PRA for dry storage of spent fuel.	07/16/01C	J. Schaperow, RES

<b>Through March 31, 2002</b>		
Milestones	Date	Lead

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
3. Perform destructive and nondestructive examinations on the Surry fuel; compare results from the Surry fuel examinations to segments from controlled environment to determine if there are any differences between the condition of the two claddings	06/02	S. Basu, RES
4. Meet with the ACRS/ACNW subcommittee to discuss results and proposed research plan	06/02	S. Basu, RES
5. Develop technical bases for evaluating the high-burnup nuclide inventories and associated source terms to be used for the cask license renewal	9/03	C. Tinkler, RES

**September 28, 2001**

6. Provide data and reports (NUREG/CRs) that can be used to update the Standard Review Plan for Dry Cask Storage Systems (NUREG-1536) and to develop a Standard Review Plan for Renewal of Licenses and Certificates of Compliance for Spent Fuel Dry Cask Storage System.	9/03	M. Mayfield, DET
7. Develop the technical bases for evaluating high burnup cladding integrity by performing creep tests on high burnup fuel rods.	9/03	S. Basu, RES

Comments:

2. ~~The consequence analysis is delayed in order to perform thermal cask analysis first, which the staff has found will result in a more realistic result and permit a more efficient analysis of consequences.~~
- 3,4. Surry fuel rods were shipped from INEEL to Argonne National Laboratory (ANL)- West (Idaho Falls) on October 15, 2000, and from ANL-West to ANL-East on February 21, 2001. Dates to perform tests on Surry fuel and for meeting with ACRS/ACNW to discuss test results have been delayed due to the late arrival of fuel at ANL-East test facility.

**VII. Topic Area: Materials and Waste Programs**

**D. Part 41 Rulemaking: Domestic Licensing of Uranium and Thorium Recovery Activities and Uranium Recovery Concerns - and Related Guidance**

SES Manager: Melvyn Leach, Chief, Fuel Cycle Licensing Branch, Division of Fuel Cycle Safety and Safeguards (FCSS)

Objectives: Update uranium recovery guidance documents to implement Commission direction.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Briefed TAs on the four Commission papers	02/10/00C	D. Gillen, FCSS
2. Respond to EPA comments w/ copy to Commission (200000011)	03/02/00C	J. Kennedy, DWM
3. Issue revised draft guidance as necessary on disposal capability with any Commission-approved revisions (200000028)	11/30/00C	M. Fliegel, FCSS
4. Implement any changes in review of alternate feedstock that result from hearing and Commission review of previous hearing orders (200000028)	11/30/00C	M. Fliegel, FCSS
5. Issue revised interim guidance to implement Commission decisions on ISL issues. (200000028)	11/30/00C	M. Fliegel, FCSS
6. SECY-01-0026 to the Commission (199800177)	02/15/01C	M. Haisfield, IMNS

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
7. Publish draft versions of NUREGs 1569 and 1620 for public comment.	10/31/01	M. Fliegel, FCSS

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
8. Final versions of NUREGs 1569 and 1620 to Commission (20010050).	4/30/02	M. Fliegel, FCSS

Comments:

SRM issued 5/29/01 for SECY-01-0026 directed staff to discontinue rulemaking efforts and focus on updating guidance documents.

**VII. Topic Area: Materials and Waste Programs**

**E. Part 40 Rulemaking: Licensing of Source Material**

**SES Manager:** Patricia Holahan, Chief, Rulemaking and Guidance Branch, Division of Industrial and Medical Nuclear Safety (IMNS)

**Objective:** Develop risk-informed and coherent regulations for licensing of source material and work towards addressing the jurisdictional and technical issues associated with regulating low-level source material (excluding uranium recovery), minimizing duplication in regulatory authority between NRC under the Atomic Energy Act (AEA), the States under State law, and the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA) under various Federal statutes.

**Coordination:** STP, OGC, OE, ADM, CIO, CFO. RES is developing technical basis for exemptions in Parts 30 and 40.

The proposed rule on transfers from licensees (related to Milestone 1 below) was sent to the Commission in September 2000. A status report on interaction with States, EPA, etc. (related to Milestone 2 below) was sent to the Commission in March 2001. The draft rule plan on control of distribution (related to Milestone 3 below) was sent to the Commission in April 2001. Working groups continue to meet on Milestone 2 and 3 issues.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Proposed rule (on transfers from licensees) to Commission (200000041) (SECY-00-0201)	9/25/00C	C. Prichard, IMNS
2. Status report on interaction with States and other Federal Agencies (199800203) (SECY-01-0051)	3/23/01C	T. Taylor, IMNS
3. Rulemaking plan (on control of distribution) to Commission (200000042)	4/25/01C	G. Comfort, IMNS

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
4. Final rule (on transfers from licensees) to Commission (200000041)	End of comment period in response to milestone 1 + 6 mos.	C. Prichard, IMNS

Beyond March 31, 2002		
Milestone	Date	Lead
5. Provide additional recommendations to Commission on exemption issues based on results of ORNL's report (199000208) (In addition to source material, this paper will also include recommendations on byproduct material.)	06/28/02	C. Mattsen, IMNS

Comments:

4. SRM from SECY-00-0201 has not yet been issued.
5. Final dose assessments in NUREG-1717 (formerly referred to as ORNL report) were published in June 2001.

**VII. Topic Area: Materials and Waste Programs**

**F. Atlas Bankruptcy and Site Reclamation**

SES Manager: Melvyn Leach, Chief, Fuel Cycle Licensing Branch, Division of Fuel Cycle Safety and Safeguards (FCSS)

Objective: Transfer of Atlas Site in Moab, Utah to the Department of Energy and terminate the NRC license

Coordination: OGC

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. NRC approve tailings dewatering plan	9/12/00C	M. Fliegel, FCSS
2. NRC complete informal consultation with Fish and Wildlife Service on interim site activities	3/23/01C	M. Fliegel, FCSS
3. Licensee initiates interim activities	5/15/01C	M. Fliegel, FCSS
4. Licensee completes interim activities	9/30/01C	M. Fliegel, FCSS

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
5. Terminate license; transfer site to DOE	10/30/01	M. Fliegel, FCSS

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead

Comments:

- 2-5. On October 30, 2000, the President signed H.R.4205, as PL 106-398. PL 106-398 contains a provision to transfer the Atlas site to the Department of Energy for remediation under Title I of the Uranium Mill Tailings Radiation Control Act (UMTRCA) and terminate the NRC license no later than 1 year after enactment. As a result, licensee work on reclamation of the site has terminated. Instead, work will be focused on interim measures to control erosion and dust from the site, cover tailings as the central pond evaporates and control water from the tailings dewatering system.

**VII. Topic Area: Materials and Waste Programs**

**G. West Valley Decommissioning Criteria**

SES Manager: J. Greeves, Director, Division of Waste Management

Objective: Prescribe decommissioning criteria for use by the Department of Energy for the West Valley Demonstration Project and for any follow-on licensing activities.

Coordination: Region I

A public meeting on the policy statement for the West Valley site was conducted on January 5, 2000, at the Ashford Office Complex, West Valley, New York. The end of the comment period on the Draft Policy Statement was extended 60 days from February 1, 2000, to April 1, 2000. Public comments have been incorporated into revised draft policy statement as of August 2000.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Commission Paper, with revised policy statement, to Commission for approval (199800178)(SECY-00-0226)	12/04/00C	J. Parrott, DWM

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
2. Publish revised policy statement in Federal Register	TBD	A. Snyder, DWM
3. After publication of West Valley Supplemental EIS, approve specific criteria for West Valley site	TBD	A. Snyder, DWM

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
None		

Comments:

- Timing of final decommissioning criteria issuance will depend on DOE publication of the West Valley Supplemental EIS.

**VII. Topic Area: Materials and Waste Programs**

**H. Decommissioning Management Plan Site Status**

SES Manager: J. Greeves, Director, Division of Waste Management

Objective: Implement the Site Decommissioning Management Plan (SDMP).

Coordination: Region I

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. SDMP Master Schedule developed	3/31/00C	L. Camper, DWM
2. Remove the Watertown Mall site from SDMP	9/00C	R. Bellamy, R-I
3. Remove the Minnesota Mining & Manufacturing Site from SDMP	9/00C	L. Camper, DWM
4. Complete Environmental Assessment/Safety Evaluation Report for Cabot-Revere site	6/01C	L. Camper, DWM
5. 2001 Annual Update to Commission - Status of Decommissioning Program (199900100)	8/17/01C	L. Camper, DWM
6. Commission Paper to remove Cabot-Revere site from SDMP (200100035) (SECY-01-0138)	7/26/01C	L. Camper, DWM
7. Remove the Cabot-Revere site from SDMP	9/01C	L. Camper, DWM

<b>Through March 31, 2002</b>		
Milestone	Date	Lead

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead

Comments:

5. The Commission rescheduled the briefing associated with this paper from 07/01 to 9/28/01.

**VII. Topic Area: Materials and Waste Programs**

**I. Prepare for Licensing a HLW Repository:**

**1) Part 63 Rulemaking: HLW Repository Licensing**

SES Managers: Bill Reamer, Division of Waste Management

Donald Cool, Director, Division of Industrial and Medical Nuclear Safety

Objective: To develop licensing criteria for disposal of high-level radioactive waste at the proposed geologic repository at Yucca Mountain, Nevada.

Coordination: OGC

Prior to September 30, 2001		
Milestone	Date	Lead
1. Draft final rule to Commission (SECY-00-0084) (199800029)	4/12/00C	T. McCartin, DWM
2. Submit Revised Draft Final Rule to Commission (199800029) (SECY-01-0127)	7/10/01C	T. McCartin, DWM

Through March 31, 2002		
Milestone	Date	Lead
3. Issue Federal Register Notice on Final Part 63	TBD 12/01	T. McCartin, DWM
4. Schedule Public Meetings on Part 63	TBD	J. Kotra, DWM

Beyond March 31, 2002		
Milestone	Date	Lead

Comments:

1. Staff Requirements Memorandum for SECY-00-0084 has not been issued.
2. Incorporates compliance for EPA standard.

**VII. Topic Area: Materials and Waste Programs**

**I. Prepare for Licensing a HLW Repository**

**2) NRC Comments on DOE HLW Site Recommendation**

SES Manager: Bill Reamer, Division of Waste Management

Objective: Provide DOE with the preliminary comments concerning the extent to which the in-depth site characterization analysis and waste form proposal seem sufficient for inclusion in the license application.

DOE must incorporate the Commission's comments in its Site Recommendation Report to the President. These activities are required by the Nuclear Waste Policy Act.

Coordination: OGC

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Paper to Commission on Final Staff Guidance for Site Recommendation Review (199900117)	11/13/00C	Manny Comar, DWM

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
2. Paper to Commission on Final Site Recommendation Review (199900117)	10/01	Jeff Ciocco, DWM
3. Transmittal to DOE of Comments on DOE HLW Site Recommendation	1/02	Jeff Ciocco, DWM

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead

Comments:

- 2,3. These tasks, which include completion of a Commission paper and generating comments to DOE (per Section 114, Nuclear Waste Policy Act) are subject to receiving all DOE Site Recommendation documents. DOE has been delayed in submitting the Supplemental Science and Performance Analysis Report (Volume 1 was received on 7/14/01, and Volume 2 was received on 7/28/01) which forms the basis for review by NRC staff.

**VII. Topic Area: Materials and Waste Programs**

**J. Control of Solid Materials**

SES Managers: Patricia Holahan, Chief, Rulemaking and Guidance Branch, Industrial and Medical Nuclear Safety (IMNS)

John Greeves, Director, Division of Waste Management (DWM)

Cheryl Trottier, Chief, Radiation Protection, Environmental Risk and Waste Management Branch, DSARE, RES

Objective: To examine NRC's regulatory approach for control of solid materials, including enhanced public participation in such a process.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Issue Commission paper (SECY-00-0070) (199400059)	3/23/00C	F. Cardile, IMNS
2. Initiate quarterly reports per SRM (200000039)	12/29/00C	F. Cardile, IMNS
3. Draft report on methods to survey material containing low levels of radioactivity provided to NMSS.	7/10/01C	C. Trottier, RES
4. Submit quarterly report to Commission (200000039)	9/27/01C	F. Cardile, IMNS

Through March 31, 2002		
Milestones	Date	Lead
5. Submit quarterly report to Commission (200000039)	12/01	F. Cardile, IMNS
6. National Academy of Sciences study completed (200000039)	2/02	C. Trottier, RES

Beyond March 31, 2002		
Milestones	Date	Lead
7. Submit quarterly report to Commission (200000039)	4/02	F. Cardile, IMNS
8. Issue final NUREG-1640 on individual doses	5/02	C. Trottier, RES

Comments:

Further milestones are dependent upon completion of the National Academy of Sciences study which is expected to be completed in February 2002.

**VII. Topic Area: Materials and Waste Programs**

**K. Part 73 Rulemaking: Spent Fuel Shipment Information Protection Requirements**

SES Manager: Patricia Holahan, Chief, Rulemaking and Guidance Branch, Industrial and Medical Nuclear Safety (IMNS)

Charles L. Miller, Deputy Director, Licensing and Inspection Directorate,  
Spent Fuel Project Office (SFPO)

Objective: This rule would require licensees to notify federally recognized Native American tribes of certain radioactive waste shipments, including spent nuclear fuel, before shipments are transported to or across the boundary of tribal lands.

Coordination: OSTP, OE, OGC, NRR

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Rulemaking plan to Commission for approval (199900123) SECY 01-0021	2/02/01C	R. Broseus, IMNS

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
2. Proposed rule to Commission (199900123)	2/20/02	R. Broseus, IMNS

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
3. Final rule to Commission (199900123)	TBD	R. Broseus, IMNS
4. Publish final rule	TBD	R. Broseus, IMNS

Comments:

1. Commission approved the rulemaking plan in an SRM dated 2/20/2001. This plan states that a period of 12 months is needed to complete the proposed and final rules.

**VII. Topic Area: Materials and Waste Programs**

**L. Part 71 Rulemaking: Packaging and Transportation of Radioactive Material**

SES Managers: Patricia Holahan, Chief, Rulemaking and Guidance Branch, Industrial and Medical Nuclear Safety (IMNS)

Charles L. Miller, Deputy Director, Licensing and Inspection Directorate,  
Spent Fuel Project Office (SFPO)

Objectives: To prepare a rule to revise Part 71 to: (1) make it compatible with the IAEA Transportation Standards, (2) revise the fissile material exempt and general license provisions to address any unintended economic impact caused by the 1997 emergency final rule, and (3) implement other changes directed by NRC Management (in accordance with Commission's SRM - SECY-99-200 dated 9/17/99).

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Revised Commission paper to the Commission (199800008) (SECY-00-0117)	5/31/00C	N. Tanious, IMNS
2. Proposed rule to Commission (199800008) (SECY-01-0035)	3/02/01C	N. Tanious, IMNS

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
3. Proposed rule package to SECY for publication (199800008)	10/15/01	N. Tanious, IMNS

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
4. Final rule to Commission (199800008)	End of public comment period + 12 months	N. Tanious, IMNS

Comments:

3. Target date to send the package to SECY may change because NRC's rule will be published concurrently with DOT's proposed rule. The staff is coordinating with DOT on its readiness for publication. Public comment period is for 90 days after publication in FR.

**VII. Topic Area: Materials and Waste Programs**

**M. Part 72 Rulemaking: Independent Storage of Spent Nuclear Fuel and High Level Radioactive Waste**

**1) Greater-Than-Class-C (GTCC) Waste**

SES Managers: Patricia Holahan, Chief, Rulemaking and Guidance Branch, Industrial and Medical Nuclear Safety (IMNS)

Charles L. Miller, Deputy Director, Licensing and Inspection Directorate, Spent Fuel Project Office (SFPO)

Objective: Staff response to Commission SRM dated March 12, 1999, to develop a proposed rule to allow the interim storage of GTCC waste under the provisions of 10 CFR Part 72. This responds to PRM-72-2 from Portland General Electric Company.

Coordination: OSTP, OGC

Prior to September 30, 2001		
Milestone	Date	Lead
1. Publish proposed rule (65 FR 37712)	6/16/00C	M. Haisfield, IMNS
2. Final rulemaking package to Commission (199600157) (SECY-01-0097)	6/01/01C	M. Haisfield, IMNS

Through March 31, 2002		
Milestone	Date	Lead
3. Final rulemaking package to SECY for publication (199600157)	11/15/01	M. Haisfield, IMNS

Beyond March 31, 2002		
Milestone	Date	Lead

Comments:

- SRM received on 8/15/01. Final rulemaking package submitted to ADM on 9/21/01.

**VII. Topic Area: Materials and Waste Programs**

**N. Part 70 Rulemaking: Domestic Licensing of Special Nuclear Material**

SES Manager: Melvyn Leach, Chief, Fuel Cycle Licensing Branch (FCLB),  
Division of Fuel Cycle Safety and Safeguards (FCSS)

Project Manager: Yawar Faraz, FCLB/FCSS

Objectives: Now that the amendments to Part 70 have been published (65 FR 56211 dated September 18, 2000) the objective is to complete the associated guidance documents. The amendments to Part 70, identify appropriate consequence criteria and the level of protection needed to prevent or mitigate accidents that equal or exceed these criteria; require affected licensees to perform an integrated safety analysis (ISA) to identify potential accidents at the facility and the items relied on for safety necessary to prevent these potential accidents and/or mitigate their consequences; require the implementation of measures to ensure that the items relied on for safety are available and reliable to perform their function when needed; require the inclusion of the safety bases, including a summary of the ISA, with the license application; and allow for licensees to make certain changes to their safety program and facilities without prior NRC approval.

Coordination: The Part 70 guidance development **has involved and will continue to** involve close coordination with the stakeholders. These include representatives of the fuel cycle industry, DOE, private citizens, and other groups who declare an interest. OGC will be consulted as legal matters arise.

NMSS' new Risk Task Group will be informed of new guidance, such as the Standard Review Plan, that defines acceptable licensee responses to the rule's requirements to evaluate and manage risk.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Final rule and draft Standard Review Plan to Commission (199500041) (SECY-00-0111)	5/19/00C	A. Persinko, FCSS
2. Develop guidance document regarding §70.62 ISA plans	2/06/01C	T. Cox, FCSS
<del>3. Develop guidance document regarding performing backfit analyses for fuel cycle facilities</del>	<del>12/31/01</del>	<del>Yawar Faraz, FCSS</del>
<del>4. Develop guidance document regarding the §70.72 change process</del>	<del>12/31/01</del>	<del>Yawar Faraz, FCSS</del>
3. Develop guidance document regarding §70.74 reporting requirements.	3/30/01C	M. Lamastra, FCSS

Through March 31, 2002		
Milestone	Date	Lead
4. Final Standard Review Plan	12/01	Yawar Faraz, FCSS

Beyond March 31, 2002		
Milestone	Date	Lead
None		

Comments:

- 3, 4. At the August 2, 2001, meeting with stakeholders, most fuel cycle licensees stated that the rule is sufficient and self-explanatory and that additional guidance is not needed. However, NEI felt the need to probe other stakeholders that may need guidance developed for these applications. Staff sent out a request to all stakeholders to respond by August 24 asking whether any additional guidance would be beneficial to them. Three of the six existing fuel fabrication licensees responded in writing by indicating that guidance in the draft SRP and the new language in §70.72 on change process and §70.76 on backfit were clear, and that the NRC staff's efforts would be better spent on other more important tasks such as reviewing license amendment requests. None of the stakeholders indicated otherwise. As such, the NRC staff will not be developing any additional guidance on §70.72 and §70.76. ~~Target dates have been extended to allow time for stakeholder response and to incorporate changes as needed.~~

**VII. Topic Area: Materials and Waste Programs**

**O. Develop Rulemaking for Parts 40, 75, 110, and 150 (Implement IAEA Safeguards Agreement)**

SES Managers: Patricia Holahan, Chief, Rulemaking and Guidance Branch, Division of Industrial and Medical Nuclear Safety (IMNS)

Catherine Haney, Chief, Safety and Safeguards Support Branch, Division of Fuel Cycle Safety and Safeguards (FCSS)

Objective: To incorporate into NRC's regulations the requirements contained in a new Protocol agreement with the International Atomic Energy Agency.

Coordination: OIP, OSTP, OGC

Draft rulemaking plan was sent for Agreement State review on February 8, 2000.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Draft rulemaking plan posted on the Agreement State internet web site	2/08/00C	J. Telford, IMNS
2. Submit options paper to Commission (SECY-01-0164) (200100047)	8/24/01C	B. Moran, FCSS

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
3. Submit final rulemaking plan to Commission for approval (199900118)	TBD	J. Telford, IMNS

<b>Beyond March 31, 2002</b>		
Milestone	Date	Lead
4. Submit proposed rule to Commission for approval (199900118)	TBD	J. Telford, IMNS

Comments:

- The SRM, dated May 18, 2001, directed the staff to prepare an options paper, which includes the process, procedures, resources, and costs. Also, the SRM directed the staff to provide to the Commission any draft rule language that may currently exist.

**VII. Topic Area: Materials and Waste Programs**

**P. Mixed Oxide (MOX) Fuel Facility Licensing**

SES Manager: Eric J. Leeds, Chief, Special Projects Branch, FCSS

Project Manager: Andrew Persinko, SPB/FCSS

Objective: To review license applications for the construction and operation of the MOX fuel fabrication facility and to prepare an Environmental Impact Statement.

Coordination: NMSS has the agency lead for coordination with the MOX consortium and internally with NRR, RES, OIP, and ADM on issues concerning MOX fuel fabrication licensing and subsequent irradiation. OGC will be consulted on legal matters regarding MOX.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Publish Standard Review Plan (SRP)	8/00C	M. Galloway, FCSS
2. Initiate NEPA review	12/00C	J. Davis, DWM
3. Initiate review of construction authorization application received 3/1/01	3/1/01C	A. Persinko, FCSS
4. Issue Notice of Intent for environmental impact scoping meetings	3/07/01C	T. Harris, DWM
5. Complete acceptance review of construction authorization application	3/28/01C	A. Persinko, FCSS
6. Conduct environmental impact scoping meetings	4/17/01C 4/18/01C 5/08/01C	T. Harris, DWM
7. Issue environmental impact statement scoping meeting summary report for MOX fuel fabrication facility	8/09/01C	J. Davis, DWM

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
8. Issue draft environmental impact statement for MOX fuel fabrication facility for public comment	2/02	J. Davis, DWM

Beyond March 31, 2002		
Milestone	Date	Lead
9. Issue draft safety evaluation report for MOX fuel fabrication facility	4/02	A. Persinko, FCSS
10. Issue final environmental impact statement for MOX fuel fabrication facility	9/02	J. Davis, DWM
11. Issue final safety evaluation report for the MOX fuel fabrication facility	9/02	A. Persinko, FCSS
12. Issue Record of Decision and licensing decision on MOX fuel fabrication facility construction authorization application	10/02	A. Persinko, FCSS

Note: This program depends on a number of factors outside of NRC control, including national policy, DOE funding, and Russian progress on dispositioning excess plutonium.

Comments:

**VII. Topic Area: Materials and Waste Programs**

**Q. Risk-Informed and Performance-Based Oversight Program for Fuel Cycle Facilities**

SES Manager: Catherine Haney, Chief, Safety and Safeguards Support Branch (FSSB), Division of Fuel Cycle Safety and Safeguards (FCSS)

Program Manager: Patrick Castleman, Inspection Section, FSSB/FCSS

Objective: To develop and implement a revised oversight program for fuel cycle facilities that is more risk-informed and performance-based. The revised oversight program is intended to: maintain safety and national security; increase public and other stakeholder confidence; increase effectiveness, efficiency and realism; and reduce unnecessary regulatory burden. Revision of the oversight program will address licensee performance indications, risk-informed inspections, risk significance determination, enforcement, assessment of licensee performance, and communication of risk significant performance to the licensee, public, and other stakeholders. ~~The work products that will result from this effort in FY 2001 include the guidance documents for conducting inspections and assessing performance, and changes to the enforcement policy for fuel cycle facilities.~~

Coordination: NMSS is soliciting public and other stakeholder views in developing revisions to the oversight program. Program development is coordinated with NMSS organizations; Regions II, III, and IV; NRR; OPA; OCA; OSTP; OE; and OGC. Program development is also integrated with other NRC initiatives, such as described in CTM items II.A., Risk-Informed Oversight Program (for reactors), and VII.O, Part 70 Rulemaking, to ensure the revised oversight program will comport with emerging requirements, guidance, and policies pertaining to fuel cycle facilities.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Information Paper to Commission concerning the status of revising the oversight program (199900120)	11/27/00C	P. Castleman, FCSS
2. Commission Briefing on Status of the Oversight Program Revision	12/20/00C	P. Castleman, FCSS

<b>Through March 31, 2002</b>		
Milestone	Date	Lead
3. Implement Revised Guidance for Fuel Cycle Facility Oversight	10/01	P. Castleman, FCSS

September 28, 2001

Beyond March 31, 2002		
Milestone	Date	Lead
3. Develop Revised Inspection Procedures for Fuel Cycle Facility Oversight.	9/03	P. Castleman, FCSS

Comments:

2. ~~The SRM resulting from the 12/20/00 Commission briefing on this effort directed the staff to continue the project as planned.~~

~~In accordance with the Communications Plan for this project, a series of local public informational meetings have been held over the last two months in the vicinity of five of the ten fuel cycle facilities. The meetings have been lightly attended and there has been no follow up contact with the staff by local stakeholders; the staff therefore believes that there is minimal public interest in this project.~~

3. The second phase of this project, revision of inspection procedures, will begin in early FY 2002. The staff intends to complete the revision of the core inspection program's procedures by the end of FY 2003. As a result of lessons learned from the results of the first year of implementation of the revised reactor oversight process (see SECY-01-0114), the staff reassessed the project's scope, objectives, and milestones. In the near term, the staff intends to review and revise Inspection Manual Chapter 2604, "Licensee Performance Review (LPR)" to make the LPR process more timely and efficient. These changes will be developed in consultation with, first, internal NRC stakeholders (e.g., regional offices), then with external stakeholders. The staff will then begin revising the inspection manual chapters and inspection procedures that govern the fuel cycle inspection program.

**VII. Topic Area: Materials and Waste Programs**

**R. Threat Assessment Activities (Coordinated with Reactor Safeguards Initiatives)**

SES Manager: Catherine Haney, Chief, Safety and Safeguards Support Branch (FSSB), Division of Fuel Cycle Safety and Safeguards (FCSS)

Project Manager: Roberta Warren, Team Leader, Threat Assessment Team/FSSB/FCSS

Objectives: To coordinate with FBI, NSC, DOE, and other agencies on national initiatives to protect against weapons of mass destruction and related activities involving NRC licensed facilities or materials. To complete a range of threat assessment activities in a timely manner to assure an adequate response to all reported threats involving NRC licensed facilities or materials; the continuing validity of the NRC design basis threat statement and associated safeguards and security regulations; to advise the Commission and NRC staff of significant threats, incidents, and associated interagency issues.

Coordination: Staff will coordinate with NMSS, NRR, OSTP, ADM, regions, OGC, and IRO.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Memo to Commission: Restoration of NRC Funding For Interagency Credibility Assessment Team (199900136)	4/00C	R. Warren, FCSS
2. Paper to Commission: Semi-Annual Threat Environment (199900076)	9/5/00C	A. Danis, FCSS
3. Paper to Commission: Process for Developing the Adversary Characteristics Document (SECY-01-0015) (200000115)	02/1/01C	J. Davidson, FCSS
4. Paper to Commission: Semi-Annual Threat Environment (199900076) (SECY-01-0018)	02/1/01C	A. Danis, FCSS
5. Commission Briefing on Semi-Annual Threat Environment (199900076)	02/27/01C	A. Danis, FCSS
6. Paper to Commission: Semi-Annual Threat Environment Review (199900076)	09/01C	A. Danis, FCSS
7. Commission Briefing on Semi-Annual Threat Environment	09/01	A. Danis, FCSS

Through March 31, 2002		
Milestone	Date	Lead

Beyond March 31, 2002		
Milestone	Date	Lead

Comments:

6. — Paper is in review/concurrence.

7. Canceled by Commission due to the events of September 11, 2001.

Additional milestones will be added upon Commission's issuance of the Staff Requirements Memorandum for SECY-01-0015.

**VII. Topic Area: Materials and Waste Programs**

**S. Material Protection, Control, and Accounting (MPC&A)**

**1) MPC&A Regulatory Program Support to Russia, Ukraine, and Kazakhstan**

SES Manager: Catherine Haney, Chief, Safety and Safeguards Support Branch (FSSB),  
Division of Fuel Cycle Safety and Safeguards (FCSS)

Project Manager: Michael Kelly, Safeguards Section/FSSB/FCSS (MPC&A)  
Nancy Fragoyannis, Safeguards Section/FSSB/FCSS (physical protection)

Objective: To provide MPC&A regulatory program support to the regulatory agencies of Russia, Ukraine, and Kazakhstan.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Consult with the Commission on the status of the NRC's MPC&A support efforts under the Department of Energy's Interagency Agreement funding. (200100036)	<del>9/21/01</del> 12/5/01	M. Kelly, FCSS

Through March 31, 2002		
Milestone	Date	Lead
2. Meet with the regulatory agencies of Russia, Ukraine, and Kazakhstan	TBD	M. Kelly, FCSS

Beyond March 31, 2002		
Milestone	Date	Lead

Comments:

In July 2000, the NRC signed an Interagency Agreement with DOE to continue MPC&A support to the regulatory agencies of Russia, Ukraine, and Kazakhstan. With the exception of providing limited direct support to DOE in its MPC&A support program activities to Russia, limited progress to date has occurred with regard to the NRC's providing direct assistance to Russia. Discussions continue with DOE management to pursue funding for Ukraine and Kazakhstan.

- This extension will allow the staff to have a better idea of what the resource impacts are for the response to the events of 9/11/01, and be in a better position to decide how and if the staff can support this effort.

**VII. Topic Area: Materials and Waste Programs**

**S. Material Protection, Control, and Accounting (MPC&A)**

**2) Part 74 Rulemaking: Material Control and Accounting**

SES Manager: Patricia Holahan, Chief, Rulemaking and Guidance Branch, Industrial and Medical Nuclear Safety (IMNS)

Catherine Haney, Chief, Safety and Safeguards Support Branch, Fuel Cycle Safety and Safeguards (FCSS)

Objective: To amend the material protection, control and accounting (MPC&A) requirements. The reporting requirements for submitting Material Balance Reports and Inventory Composition Reports are being revised to reduce unnecessary regulatory burden on licensees. The remaining MPC&A requirements are being relocated to Part 74 (from Part 70) and the requirements for Category II facilities are being more risk-informed.

Coordination: OGC

Prior to September 30, 2001		
Milestone	Date	Lead
1. Proposed Rule to Commission (200000088) (SECY-01-0066)	4/20/01C	M. Horn, IMNS
2. Publish proposed rule (200000088) (66 FR 29251)	5/30/01C	M. Horn, IMNS

Through March 31, 2002		
Milestone	Date	Lead

Beyond March 31, 2002		
Milestone	Date	Lead
3. Final rulemaking package to Commission (200000088)	8/20/02	M. Horn, IMNS

Comments:

**VIII. Topic Area: Changes to NRC's Hearing Process**

**A. Use of Informal Adjudicatory Procedures**

SES Manager: Joe Gray, OGC

Objective: Streamline the hearing processes required by Part 2 of the regulations for license applications and amendments.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Commission decision on proposed rulemaking	2/16/01C	OGC S. Treby
2. Publish proposed rules for comment	4/16/01C	OGC S. Treby
3. Comment period ends	9/14/01C	OGC S. Treby

Through March 31, 2002		
Milestone	Date	Lead
4. Submit Final rules to Commission	1/30/02	OGC S. Treby

Beyond March 31, 2002		
Milestone	Date	Lead
5. Commission approves/affirms final rules	4/30/02	OGC S. Treby
6. Publish final rules in Federal Register	5/15/02	OGC S. Treby
7. Final Rules effective	6/15/02	OGC S. Treby

Comments:

3 Comment period was extended from 7/15/01 to 9/14/01.

4-7. Adjustments were made to subsequent milestones to reflect the granting of the comment period extension.

**IX. Topic Area: State Programs**

**A. Agreement with the State of Pennsylvania**

SES Manager: Frederick Combs, Deputy Director, Office of State and Tribal Programs

Objective: To enter into an Agreement with the State of Pennsylvania pursuant to Section 274b of the Atomic Energy Act, as amended.

Prior to September 30, 2001		
Milestone	Date	Lead
None		

Through March 31, 2002		
Milestones	Date	Lead
1. Pennsylvania Governor to file application for an Agreement	1/01/02	R. Blanton, STP

Beyond March 31, 2002		
Milestone	Date	Lead
1. Negative consent paper to Commission (199900121)	9/01/02	R. Blanton, STP
2. Negative consent SRM to publish proposed agreement	10/01/02	
3. Commission paper reconsidering final agreement (199900121)	1/02/03	R. Blanton, STP
4. Commission SRM approving the Agreement	2/02/03	
5. Agreement effective	2/02/03	

Comments:

Based on comments from Pennsylvania on September 18, 2000, Pennsylvania now believes that the Agreement will be delayed at least one full year, thereby pushing the assumption for Pennsylvania's achieving Agreement State status to mid-FY 2003. The delay is a result of recent activities associated primarily with Site Decommissioning Management Plan (SDMP) sites within the Commonwealth, hiring of staff and establishment of a new fee schedule. By letter dated July 23, 2001, NRC requested an update to Pennsylvania's schedule.

**IX. Topic Area: State Programs**

**B. Agreement with the State of Wisconsin**

SES Manager: Frederick Combs, Deputy Director, Office of State and Tribal Programs

Objective: To enter into an Agreement with the State of Wisconsin pursuant to Section 274b of the Atomic Energy Act, as amended.

Prior to September 30, 2001		
Milestone	Date	Lead
None		

Through March 31, 2002		
Milestones	Date	Lead
None		

Beyond March 31, 2002		
Milestone	Date	Lead
1. Wisconsin Governor to file application for an Agreement	10/01/02	L. Bolling, STP
2. Negative consent paper to Commission (200100090)	1/14/03	L. Bolling, STP
3. Negative consent SRM to publish proposed agreement	1/28/03	
4. Commission paper reconsidering final agreement (200100090)	5/06/03	L. Bolling, STP
5. Commission SRM approving the Agreement	6/03/03	
6. Agreement effective	7/01/03	

Comments:

**IX. Topic Area: State Programs**

**C. Agreement with the State of Minnesota**

SES Manager: Frederick Combs, Deputy Director, Office of State and Tribal Programs

Objective: To enter into an Agreement with the State of Minnesota pursuant to Section 274b of the Atomic Energy Act, as amended.

Prior to September 30, 2001		
Milestone	Date	Lead
None		

Through March 31, 2002		
Milestones	Date	Lead
None		

Beyond March 31, 2002		
Milestone	Date	Lead
1. Minnesota Governor to file application for an Agreement	9/23/02	C. Maupin, STP
2. Negative consent paper to Commission (200100091)	1/13/03	C. Maupin, STP
3. Negative consent SRM to publish proposed agreement	1/27/03	
4. Commission paper reconsidering final agreement (200100091)	5/05/03	C. Maupin, STP
5. Commission SRM approving the Agreement	6/02/03	
6. Agreement effective	6/30/03	

Comments:

As of July 1, 2001, the Minnesota state legislature approved extended the sunset provision for the proposed Agreement from August 2002 until August 2003.

**X. Topic Area: NRC Administration and Support Functions**

**A. PeopleSoft Implementation (STARFIRE)**

SES Manager: Jim Turdici OCFO/DAF

Program Manager: John Bird OCFO/DAF

Objective: To implement the integrated PeopleSoft Human Resources, Payroll, and Time and Labor modules in conjunction with the cost accounting module. This integrated solution allows for single entry processing for payroll, fee billing, cost accounting, and financial statement preparation as well as meeting internal and external NRC management reporting requirements.

Coordination: The offices of CFO, CIO, and HR are working together as an integrated team with Accenture (PeopleSoft implementation contractor) to implement the PeopleSoft modules. Additionally, to fully implement this portion of the STARFIRE system coordination of all NRC offices and personnel is occurring as this system requires individuals to record their own time and labor. All external organizations associated with the agency's payroll cycle (e.g., Treasury, OPM), will also have the proper coordination to ensure that all tapes and electronic files are tested prior to the implementation date.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Notify staff of PeopleSoft revised implementation date and new plan for parallel testing.	3/01C	J. Bird, OCFO
2. Validate whether Accenture (PeopleSoft implementation contractor) solution resolves data configuration problem.	4/01C	J. Bird, OCFO
3. Accenture completes outstanding Systems Investigation Requests and Reports.	6/01C	Accenture
4. Complete remaining work on Payroll module patches and fixes.	7/01C	Accenture
5. Complete procedures for PeopleSoft to begin transitioning to production readiness.	5/01C	J. Schaeffer, OCIO
6. Turn PeopleSoft system over to OCIO - transition to operational status.	5/01C	J. Bird, OCFO
7. Complete additional test data conversion.	5/01C	Accenture
8. Complete second interface for cost accounting module.	5/01C	G. Johnson, OCFO

Prior to September 30, 2001		
9. Complete mandatory SWAT 2 fix for Payroll	7/01C	Accenture
10. Test CITRIX software to improve response time from icon to application appearing on screen.	6/01C	J. Schaeffer, OCIO
11. Begin phase-in remaining employees on PeopleSoft system.	6/01C	J. Bird, OCFO
12. Complete transition to operational status.	7/01C	J. Schaeffer, OCIO
13. Begin operations and maintenance on PeopleSoft system.	7/01C	Accenture
14. Implement Edit Time and Apply Rules performance recommendations	7/01C	J. Bird, OCFO
15. Perform load test to determine application or infrastructure weaknesses or points of failure. Assess results and determine appropriate corrective action.	7/01C	OCIO/Mercury
16. Finalize cost accounting reports.	9/01C	G. Johnson, OCFO
17. Complete phase-in of employees on PeopleSoft system.	8/01C	J. Bird, OCFO
18. Run entire agency in parallel for 2 pay periods.	10/01	J. Bird, OCFO

Through March 31, 2002		
Milestone	Date	Lead
19. PeopleSoft modules and Cost Accounting module operational	10/07/01	J. Bird, OCFO

Comments:

1. The load tests were completed on July 25, 2001. The contractor is in the process of producing a report on the results of the load test. Once received, the report will be reviewed to determine if additional system changes are required.
2. The cost accounting reports will not be finalized until September. Several factors contributed to this one month delay including an initiative to produce FY 2001 interim cost reports, a change in contractor personnel due to security considerations, and a required update to the basic cost accounting software.

16. The format for the cost accounting reports has been finalized. Reports will be run based on the information obtained from Pay Period 20. Quality control and quality assurance tests will be conducted to validate the data as well as determining the proper procedures for prior period adjustments.
18. All employees are currently into the formal agency-wide two pay period parallel test. This test began September 9 and is scheduled to be completed October 6. Payroll reports to analyze the results of the second pay-period will be available the week of October 8.

**X. Topic Area: NRC Administration and Support Functions**

**B. Agency-wide Documents Access and Management System (ADAMS)**

SES Manager: Lynn B. Scattolini, OCIO/ADAMS

Program Manager: Lynn B. Scattolini, OCIO/ADAMS

Objective: To execute tasks in the ADAMS program plan to improve ADAMS functionality, reliability, and document and data integrity. ADAMS supports electronic document creation or capture, distribution, records management, and search and retrieval by both NRC staff and the public.

Coordination: CIO is coordinating with the ADAMS Steering Group, ADAMS Working Group, ADAMS Partners, and office and regional management as necessary to implement policy/procedural changes and software upgrades.

Prior to September 30, 2001		
Milestone	Date	Lead
1. Transfer responsibility for completing the processing of staff generated documents to OCIO	7/01C	L. Scattolini, OCIO
2. Deploy ADAMS legacy library	<del>10/01</del> 3/02	A. Levin, OCIO
3. Complete development and deploy ADAMS Version 3.3	9/01C	A. Levin, OCIO

Through March 31, 2002		
Milestone	Date	Lead
4. Implement ADAMS as an electronic recordkeeping system. Begin filing records electronically. Obtain NARA approval of record schedules.	3/02	L. Scattolini, OCIO

Beyond March 31, 2002		
Milestone	Date	Lead
5. Complete development and deploy ADAMS Version 4.0	<del>11/01</del> 3/02	A. Levin, OCIO
6. Improve ADAMS data integrity by completion of cleanup of ADAMS database	10/02	L. Scattolini, OCIO

Comments:

2. We have converted all legacy data from the NUDOCS and PDR's legacy system to the ADAMS Legacy Library for the NRC staff and the public. A final checkout of the system is being conducted prior to deployment. A performance issue has been identified that requires resolution. **Because it will require a change in the custom code and need to be installed on users' desktops, it cannot be deployed until the next planned desktop release of ADAMS.** We plan on having a group of NUDOCS users from the offices do further testing on the system and provide input into the resolution of any data migration issues that are identified. .
3. The staff and public versions of ADAMS 3.3 have been delivered, tested, and accepted by the NRC. The staff version was deployed at headquarters, the regions, and resident sites. Software demonstrations and updated documentation have been provided to regional and headquarters staff. The public version, with an updated users guide, was deployed in August 2001.
4. The records management module of ADAMS has been delivered, tested, and deployed. The NRC File Center staff **and the Document Processing Center staff are** ~~is~~ routinely filing new documents electronically. We have conducted a live demonstration of the operating system to the National Archives and Records Administration (NARA) in response to its request. The schedule stated for the milestone reflects NARA recently published guidelines on the length of time it takes to review agency record schedules.
5. **The release date for ADAMS 4.0 is now scheduled for March 2002. The delay is due to a number of factors, including the need for new hardware, server availability, and additional technical work required to allow Foremost, the records management software package, and the custom code to work with the upgraded FileNET software.**
6. OCIO has refined data standards and is cleaning up the values of other data elements in the database to ensure that documents are properly profiled for subsequent search and retrieval. The date for cleanup was extended due to system related problems that have inhibited progress at the originally planned pace.

**X. Topic Area: NRC Administration and Support Functions**

**C. Strategic Workforce Planning (SWP)**

SES Manager: James McDermott, Deputy Director, Office of Human Resources

Project Manager: Len Reidinger, Acting Chief, Human Resources Information Management,  
Office of Human Resources

Objective: Take steps to plan for, acquire, develop, maintain, deploy and retain NRC's core scientific, engineering and technical staff capacity in support of current and future NRC strategic goals.

Coordination: Staff will coordinate with EDO, NMSS, NRR, RES, CIO, CFO, OGC, and other NRC offices as appropriate.

<b>Prior to September 30, 2001</b>		
Milestone	Date	Lead
1. Submit Action Plan for Maintaining Core Competence	1/31/01C	Bird/ McDermott
2. Survey Program Office Directors (NRR, NMSS, RES) on critical skill needs for current, FY 2003 PBPM cycle, and future needs	2/28/01C	Bird/ McDermott/ Office Directors
3. Analyze Office Director survey results and identify skill gaps	3/31/01C	Lee
4. Develop and implement sourcing strategies to address skill gaps identified by Office Directors	3/31/01C	Lee
5. Survey selected NRR, NMSS, and RES Branch/Section Chiefs on critical skill needs for current and future needs	4/30/01C	Lee
6. Brief PRC on Core Competency/Human Capital Initiatives and funding requirements for FY 2002 and FY 2003	4/27/01C	Bird/McDermott
7. Develop pilot skills survey to assess core competencies within selected NRR, NMSS, RES branches/sections	5/23/01C	Lee
8. Conduct pilot skills survey within selected branches/sections in NRR, NMSS, and RES	6/29/01C	Lee

9. Evaluate both commercial off-the-shelf (COTS) automated strategic workforce planning (SWP) software tools and alternative software means of automating SWP data collection, needs assessment, and workforce analysis	8/01C	Reidinger
10. Analyze branch/section pilot survey results and identify skill gaps	9/01C	Reidinger
11. Determine automated software tools to be used for both interim and longer-term strategic workforce planning (COTS or alternative means of automating SWP data collection, needs assessment, and workforce analysis)	9/01C	Reidinger

Through March 31, 2002*		
Milestone	Date	Lead
12. Evaluate pilot implementation of skills survey to assess core competencies and incorporate lessons learned as appropriate	11/01	Bird/McDermott Reidinger Office Directors
13. Identify with Office Directors and Regional Administrators critical skill needs, skill gaps, and gap closure strategies for the FY 2004 PBPM cycle	12/01	Bird/McDermott Reidinger Office Directors
14. Conduct skills survey within next set of branches/sections in NRR, NMSS, RES, and other offices, as appropriate	1/02	Reidinger

Beyond March 31, 2002*		
Milestone	Date	Lead
15. Implement interim automated means of SWP data collection, needs assessment, and workforce analysis	6/02	Reidinger
16. Continue skills survey roll out to succeeding sets of branches/sections in NRR, NMSS, RES, and other offices as appropriate	Ongoing	Reidinger
17. Implement longer-term SWP software solution	TBD	Reidinger

\*Subject to funding

Comments:

9-12, 14-17. Revised, as appropriate, to reflect changes in program direction and a review and evaluation of the approach and implementation of this effort.