October 17, 2000

MEMORANDUM TO: Chairman Meserve

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

SUBJECT: UPDATE TO STAFF RESPONSE TO TASKING MEMORANDUM AND STAKEHOLDER CONCERNS

Attached for your information is the staff's September 2000 update to the plan of short- and long-term actions to respond to selected 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: (1) the "Part 72 Rulemaking" topic area has been deleted as all milestones have been completed; and (2) a new topic, "Paducah Enrichment Upgrade Amendment Review," has been added.

Since the last update, the following significant milestones have been completed:

1. Issued a safety evaluation report concerning allowed outage time extensions for Oconee's high pressure safety injection system;
2. Transmitted to the Commission proposed final modifications to guidance documents involving risk-informed, performance-based regulations;
3. Issued a Commission paper, and provided a Commission briefing, on risk-informing certain Part 50 requirements (Option 2);
4. Issued a Commission paper that identified a preliminary set of proposed changes and recommendations for risk-informing technical requirements in Part 50 (Option 3);
5. Completed review of final guidance and regulatory guide, and issued a Commission paper, relating to 10 CFR 50.59 rulemaking;
6. Completed review of regulatory guide involving definition of design bases information;
7. Provided to the Commission a revised schedule for finalizing a decommissioning spent fuel pool draft study and risk objectives and for completing a long-term plan of action relating to broad-scope decommissioning regulatory improvement;
8. Completed several orders and conforming amendments involving license transfers;
9. Presented proposal to Japan Atomic Energy Research Institute to obtain data on burnup credit;
10. Issued a Commission Paper about Part 40 rulemaking;
11. Approved the Atlas tailings dewatering plan;
12. Removed the Watertown Mall and Minnesota Mining & Manufacturing sites from the site decommissioning management plan;
13. Issued a Commission paper concerning the Yucca Mountain Site Recommendation Review; and
14. Issued a Commission paper, and provided a Commission briefing, relating to the Semi-Annual Threat Environment.

Further, additions and changes to the September 2000 update are marked in redline and strikeout. Minor editorial changes have not been highlighted. Since the August update, there are schedule changes associated with: (1) holding a public workshop concerning a preliminary set of proposed changes and recommendations for risk-informing technical requirements in Part 50 (Option 3); (2) issuance of improved standard technical specifications amendment for Fitzpatrick; (3) several milestones concerning decommissioning regulatory improvements; (4) issuance of a Commission paper relating to closure of the Nuclear Energy Institute's petition for modifying 10 CFR 50.54(a); and (5) holding a public meeting to identify phenomena affecting burnup credit.

Attachment: As stated

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

Further, additions and changes to the September 2000 update are marked in redline and strikeout. Minor editorial changes have not been highlighted. Since the August update, there are schedule changes associated with: (1) holding a public workshop concerning a preliminary set of proposed changes and recommendations for risk-informing technical requirements in Part 50 (Option 3); (2) issuance of improved standard technical specifications amendment for Fitzpatrick; (3) several milestones concerning decommissioning regulatory improvements; (4) issuance of a Commission paper relating to closure of the Nuclear Energy Institute's petition for modifying 10 CFR 50.54(a); and (5) holding a public meeting to identify phenomena affecting burnup credit.

Attachment: As stated

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STAFF RESPONSE TO TASKING MEMORANDUM AND STAKEHOLDER CONCERNS

as of September 29, 2000

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

A. Plant-Specific Licensing Reviews *(see note)

SES Manager: Gary Holahan, Director, DSSA, NRR

Objective: The use of probabilistic risk assessment in risk-informed decision making for changes to plant-specific licensing basis is intended to enhance safety decisions, efficiently utilize NRC resources and reduce unnecessary conservatism. The goal is to complete first of a kind risk-informed licensing reviews such that lessons learned may be utilized for future staff reviews.

Prior to February 28, 2001		
Milestones	Date	Lead
1. SER to be issued on St. Lucie 1/2 application for LPSI system AOT relaxation.	2/15/00C	M. Wohl, SPSB
2. SER to be issued on Waterford 3 application for CSS AOT relaxation.	5/15/00C	M. Wohl, SPSB
3. SER to be issued on Waterford 3 application for LPSI system AOT relaxation.	5/25/00C	M. Wohl, SPSB
4. SER to be issued on CE Owners Group Joint Applications Report for Containment Isolation Valve AOT Relaxation for 8 sites.	6/26/00C	M. Wohl, SPSB
5. SER to be issued on Waterford 3 application for EDG AOT extension.	7/21/00C	I. Jung, SPSB
6. SER to be issued on Oconee application for HPSI system AOT extensions.	~~12/01/00 (see comments)~~ 9/6/00C	D. O'Neal, SPSB

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

* The objective of this specific issue has been realized. NRC has completed numerous first of a kind risk-informed licensing reviews and has learned lessons that are and will continue to be useful for staff reviews. Since the staff now considers such reviews routine, this specific issue, "Plant-Specific Licensing Reviews," will be deleted from the report next month.

~~6. This schedule is contingent upon (1) the timeliness and quality of Oconee responses to the RAI, and (2) whether there are complications associated with review of the information received. The staff's review will interface with the CEOG HPSI joint application review for consistency.~~

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

B. Guidance Documents

SES Manager: Gary Holahan, Director, DSSA, NRR

Objective: To provide guidance for the staff and the industry which will enhance consistency and provide an infrastructure for use in risk-informed regulation.

Prior to February 28, 2001		
Milestones	Date	Lead
1. Issue a Regulatory Issue Summary (RIS) informing industry of NRC interim position on the use of risk information in license amendment reviews.	3/28/00C	R. Palla, SPSB
2. Develop a screening process to aid project managers and technical staff in determining which proposed licensing actions should be reviewed for risk significance.	4/28/00C	I. Jung, SPSB
3. Issue Proposed modifications to regulatory guidance documents for comment (e.g., RG 1.174).	4/10/00C	R. Palla, SPSB
4. Complete meetings with stakeholders, ACRS, and CRGR on proposed modifications to guidance documents.	~~9/00 (see comment)~~ 7/00C	R. Palla, SPSB
5. Transmit to the Commission the proposed final modifications to guidance documents. (199900064)	~~9/00 (see comment)~~ 9/26/00C	R. Palla, SPSB

Through September 30, 2001		
Milestone	Date	Lead
6. Issue RIS with final guidance on use of risk-informed decisionmaking.	~ 1 month after Commission consent (see comment)	R. Palla, SPSB

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

~~4 -~~6. As directed by the Staff Requirements Memorandum dated January 5, 2000, the schedule for th~~ese~~is items~~s~~ has been provided to the Commission and further described in a memorandum dated February 14, 2000.

I. Topic Area: risk-Informed and Performance-Based Regulation

C.1. Risk-Informed Scope of Certain Part 50 Requirements (Option 2)

SES Manager: Cynthia Carpenter, Branch Chief, RGEB/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 dated January 31, 2000.

Prior to February 28, 2001		
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	9/29/00 C	~~T. Reed~~, S. West, DRIP
5. NEI complete draft guidelines submitted for staff endorsement	~~9/00~~ 11/00	NA
6. Option 2 acceptance criteria developed	12/00	T. Reed, DRIP
7. Initiate pilot program	1/01	J. Williams, DLPM

Through September 30, 2001		
Milestone	Date	Lead
8. Submit proposed rulemaking to Commission (199900061)	8/01	T. Reed, DRIP
9. Provide proposed rule to House and Senate Appropriations Committees one month after Commission approval ~~(G-20000103)~~ (199900061)	SRM + 1 month ~~9/01~~	T. Reed, DRIP

Beyond September 30, 2001		
Milestone	Date	Lead
10. Submit final rulemaking to Commission (199900061)	12/02	T. Reed, DRIP
11. Provide final rule to House and Senate Appropriations Committees one month after Commission approval ~~(G-20000103)~~ (199900061)	SRM + 1 month ~~1/03~~	T. Reed, DRIP

General Comments:

a. The June update was a complete revision of this CTM item. In a memorandum to the Commission dated April 3, 2000, the staff informed the Commission that changes to the rulemaking plan would be reflected in the June CTM. In that memorandum 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 comment below. The STP exemption is now addressed in its own CTM item (I.D.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).

c. Meetings for this activity will no longer be identified in the CTM; they will be addressed in the Communications Plan instead. The Communications Plan for Option 2 will be developed as part of the next revision to the Risk-Informed Regulation Implementation Plan (RIRIP) due in October 2000. In general, the staff meets at least monthly with internal and external stakeholders.

Milestone Comments:

2. The staff has now received a preliminary draft industry guideline document, as well as a PRA peer certification guideline. Both documents are incomplete in certain respects. The staff is in the process of reviewing these documents.

3. ~~In this paper,~~ SECY-00-194, in which the staff ~~will provide~~ discussed its preliminary views on the comments submitted in response to the ANPR, and the current thinking on the conceptual approach for Option 2 ~~and will address other issues related to Option 2 (including issues that may affect the plan and schedule).~~ was sent to the Commission on Sept. 7, 2000. ~~The uncertainty associated with completing this task as scheduled is low.~~

4. Commission briefing held on September 29, 2000.

5. ~~NEI has estimated that complete drafts of the guideline documents, which will reflect initial staff comments provided this summer, should be available in September 2000.~~ NEI now estimates that complete drafts of the guideline documents will be available in November. Provided that NEI submits the complete drafts of the guideline documents to the staff ~~are received~~ by mid-November 2000, the schedule for the proposed rulemaking should not be adversely impacted. The uncertainty associated with receiving the complete drafts as scheduled is medium.

6. The staff is in the process of developing the acceptance criteria. This effort, which was initiated in June 2000, will include stakeholder involvement in the development of the criteria. The uncertainty associated with this effort is medium.

7. At this time the participation and scope of the pilot program has not been established. The staff expects that Owners' Groups will have a substantial role in developing the pilot program. This subject was discussed in a June 27, 2000, public meeting. On the basis of information provided by NEI, industry may be ready to begin a limited pilot program in Fall 2000. The staff has requested that industry provide a specific proposal for the pilot program to ensure there is agreement on the participation, scope and objectives of the pilot program. In addition, it is likely that in order to begin the pilot program prior to January 2001 the staff will need to have developed the Option 2 acceptance criteria and completed a preliminary review of the implementing guidelines such that there is confidence they can be endorsed. Therefore, the staff is retaining the January 2001 date for this milestone. Since initiation of the pilot program is contingent upon: (a) obtaining agreement upon the participation and scope of the pilot program, (b) timely receipt of complete drafts of the guidelines that address most issues satisfactorily, and (c) development of Option 2 acceptance criteria, the uncertainty associated with this milestone is medium.

8. In order to meet this proposed rulemaking milestone date, the preceding milestones must be completed as indicated in the schedule. In addition, the staff has assumed that 2 cycles of staff review and comment on draft industry guidelines followed by industry revision of the guidelines. In order to facilitate completing the proposed rulemaking after 2 review cycles of the industry guidelines any remaining open issues with the draft guidelines will be addressed in the form of exceptions in the draft regulatory guide associated with the Option 2 rulemaking. 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.

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.

9,11. ~~Additional milestones were added to track required reports to Congress~~. Milestones were clarified to indicate the proposed/final rules will be submitted to Congress following Commission approval.

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

C.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 February 28, 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	~~9/00~~ 10/00	M. Drouin, RES
4. Final report to Commission (199900062)	12/00	M. Drouin, RES

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1. Paper submitted to Commission on 4/12/00 (SECY-00-0086).
2. ~~The due date was changed to take into consideration additional comments received late and a meeting scheduled with ACRS for the last week in August.~~ Paper submitted to Commission on 9/14/00 (SECY-00-0198).
3. Due to Auditorium scheduling conflicts, the public workshop could not be scheduled until October 2, 2000.

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

C.3. South Texas Project Risk-Informed Exemptions to Certain Special Treatment Requirements

SES Manager: John Zwolinski, Director, DLPM

Objective: To make a determination on the risk-informed exemption requests submitted by South Texas Project seeking relief from special treatment requirements for low safety significant or non-risk significant safety-related components.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Develop staff guidelines on treatment of low safety significant systems and components	7/18/00C See comment	T. Bergman, DRIP
2. Issue draft safety evaluation	11/1/00 See comment	J. Nakoski, PDIV-1
3. Open items from draft safety evaluation resolved	2/15/01 See comment	J. Nakoski, PDIV-1

Through September 30, 2001		
Milestone	Date	Lead
4. Final safety evaluation completed	3/15/01 See comment	J. Nakoski, PDIV-1
5. Commission briefing on staff findings on exemption requests (200000089)	3/30/01 See comment	J. Nakoski, PDIV-1
6. Issue final safety evaluation and approved exemptions	4/15/01	J. Zwolinski, DLPM

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1. The core team for Option 2 of risk informing 10 CFR 50 developed draft guidelines for use in the staff's assessment of commercial practices proposed for treatment of low safety significant and non risk significant systems and components for the STP Nuclear Operating Company (STPNOC) risk-informed exemption requests. The draft guidelines were first made public on July 18, 2000, during a meeting with the Nuclear Energy Institute (NEI) on risk-informed regulation. The staff issued the draft guidelines to STPNOC in a letter dated July 19, 2000, and they have made them publicly available as a "work-in-progress," in an outreach effort to seek comments and feedback from external stakeholders.

2. The staff plans to issue a draft safety evaluation based on the licensee's revised submittal. In the draft safety evaluation the staff will identify open items that require resolution before the staff can make a finding regarding the granting of exemptions. The target date for completion of this milestone is directly related to the licensee's ability to provide its final RAI response and revised submittal on an agreed to timeline. Development of the draft review guidelines and discussions with STPNOC on the level of detail in its description of its treatment of low safety significant, but safety-related, structures, systems, and components is expected to delay STPNOC's revised submittal until the end of August 2000. This should continue to provide sufficient time for the staff to complete its review and issue the draft safety evaluation by November 1, 2000.

3. Completion of this milestone is based on the ability of the licensee to provide the staff with a response to the draft safety evaluation by the end of December 2000.

4. Completion of this milestone by March 15, 2001, is directly linked to the ability to resolve the open items from the draft safety evaluation by February 15, 2001. Also, completion of this milestone is linked to incorporating feedback from ACRS based on an early December 2000 informational briefing of ACRS on the draft safety evaluation. The staff anticipates that the open items in the draft safety evaluation should not require further feedback from ACRS regarding resolution and does not plan on briefing ACRS again on the exemption requests. Should the staff need to brief the ACRS on open item resolution, there will be a direct impact on the completion of this and subsequent tasks.

5. Preparation of the Commission paper will be conducted in parallel with the preparation of the final safety evaluation and exemptions to the extent practical. Completion of this milestone is driven by the timing of the resolution of the open items from the draft safety evaluation and completion of the final safety evaluation and exemptions. (200000089)

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

D. 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.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Draft Phase-2 PRA standard issued for comment by ANS on external hazards (e.g., seismic) (08/00) and LPSD (see comments). Phase 2 PRA standard comments received and final draft developed on external hazards (see comments) and LPSD (see comments)	See comment #1	M. Drouin, RES
2. Final Phase-1 PRA standard issued by ASME	~~01/01~~ TBD	M. Drouin, RES

Through September 30, 2001		
Milestone	Date	Lead
3. Final fire PRA standard issued by NFPA	03/01	N. Siu, RES
4. Final Phase-2 PRA standard issued by ANS on external hazards and LPSD	See comment	M. Drouin, RES

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1. Phase-2 of the PRA standard covers accidents initiated by external events (e.g., earthquakes) and accidents initiated during low power and shutdown (LPSD) operations. ANS is developing these standards.

1 & 4. External hazards draft standard being reviewed by ANS consensus committee, ANS expects to release for public review and comment at end of August 2000. No schedule established for final draft and issuance.

LPSD draft standard delayed, no new schedule has been provided by ANS for any of the above milestones.

2. ASME is revising their schedule and has yet to inform us of new date.

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

E. 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 rule, 10CFR 50.61, screening criteria, by applying recent advances in probabilistic 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.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Present to ACRS the methodology to perform PTS risk analysis	3/16/00C	S. Malik, RES
2. Present to ACRS the revised PTS risk acceptance criterion	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 to ACRS the PTS risk analysis of the selected PWR plants	10/00	S. Malik, RES

Through September 30, 2001		
Milestone	Date	Lead
6. Provide updated status on PTS reevaluation to Commisson (199900115)	03/07/01	N. Siu, RES

Beyond September 30, 2001		
Milestone	Date	Lead
7. Develop Integrated PTS risk estimate for a generic PWR plant	10/01	N. Siu, RES
8. Present to ACRS the technical basis for proposed changes in 10 CFR 50.61 PTS screening criterion	12/01	S. Malik, RES

Comments:

4. The Commission paper on revised Pressurized Thermal Shock Rule acceptance criterion was originally due to the Commission on May 15, 2000. A draft version of the paper was provided to the ACRS and discussed at an April 27, 2000 subcommittee meeting. The subcommittee provided substantial and important comment on the draft paper. These comments have implications to both the possible PTS Rule revision and other possible risk-informed rule changes now being studied in the staff's risk-informed Part 50 work. The staff needs to reflect the comments in a revised version of the paper and discuss it with PRA Steering Committee on May 8, 2000 and with the full ACRS on May 12, 2000. To permit this additional discussion with ACRS, as well as to obtain final NRR and OGC review, the staff requested the due date be changed to May 31, 2000.

5. Package will be delivered to ACRS in August, ACRS Subcommittee meeting is scheduled for 9/21/00, and ACRS full Committee meeting is scheduled for early October 2000.

II. Topic Area: Reactor Inspection and Enforcement

A. Risk Informed Baseline Inspection Program

SES Manager: William M. Dean, 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", III. B. "Risk-Based Performance Indicator Development," and IV.G. "Event Reporting Rulemaking," 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.

Prior to February 28, 2001		
Milestone	Date	Lead
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 (see comment)	W. Dean, DIPM
2. Commence initial implementation of the risk informed baseline inspection program at all operating sites	4/00C (see comment)	W. Dean, DIPM

Through September 30, 2001		
Milestone	Date	Lead
3. Complete evaluation of implementation and effectiveness of the first year of implementation of the risk informed baseline inspection program (199900070)	6/01	D. Coe, DIPM

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1. The Commission paper was issued on February 24, 2000, and the Commission briefing was conducted on March 7, 2000.

2. The staff implemented the pilot baseline inspection program through April 1, 2000. The SRM for SECY 99-007 and SECY 99-007A directed the staff to defer initial implementation of the new oversight program to April 1, 2000, to allow additional time for staff to review results of the pilot program, develop lessons learned from the pilots, and solicit feedback on process changes. On April 2, 2000, the staff commenced initial implementation of the risk informed baseline inspection program at all operating sites, with the exception of the D. C. Cook plants, due to their extended shutdown. With the restart of Unit 2 in June 2000, the staff has begun implementation of the baseline inspection program at D. C. Cook.

II. Topic Area: Reactor Inspection and Enforcement

B. Enforcement Program Initiatives

SES Manager: R. W. Borchardt, Director, Office of Enforcement

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

Prior to February 28, 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.	11/00	B. Westreich, OE

Through September 30, 2001		
Milestone	Date	Lead
7. Provide to Commission Draft Recommendation from Discrimination Task Group. (200000090)	4/30/01	B. Westreich, OE
8. Provide recommendation on Enforcement Program following first year of ROP implementation.	6/01	J. Luehman, OE
9. Develop Alternative Dispute Resolution Policy for use in Enforcement. (200000070)	8/7/01	B. Westreich, OE

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments: None

III. Topic Area: Reactor Licensee Performance Assessment

A. Performance Assessment Process Improvements (IRAP, Industry's Proposal, and Performance Indicators)

SES Manager: William M. Dean, IIPB/DIPM/NRR
Program Manager: Michael R. Johnson,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," III.B. "Risk-based Performance Indicator Development," and IV.G. "Event Reporting Rulemaking," 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.

Prior to February 28, 2001		
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 (see comment)	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

Through September 30, 2001		
Milestone	Date	Lead
5. First Agency Action Review Meeting to discuss agency response for plant performance assessment inputs	5/01	W. Dean, DIPM
6. Complete evaluation of implementation and effectiveness of the first year of implementation of the revised assessment process (199900070)	6/01	M. Johnson, DIPM

Comments:

1. Workshops were completed on March 23, 2000, and all required inspector training courses were completed on April 7, 2000.

2. The Commission paper was issued on February 24, 2000, and the Commission briefing was conducted on March 7, 2000.

III. Topic Area: Reactor Licensee Performance Assessment

B. Risk-based Performance Indicator Development

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

Program Manager: Thomas Wolf, RES

Objective: The objective of this task is to develop risk-based performance indicator (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 February 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 risk-based performance indicators (RBPI) 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	01/01	H. Hamzehee, RES

Through September 30, 2001		
Milestone	Date	Lead
5. Brief ACRS on Phase-1 RBPI development progress	05/01	H. Hamzehee, RES
6. Brief Commission on Phase-1 RBPI development progress (199800161) (RES)	08/01	H. Hamzehee, RES

Beyond September 30, 2001		
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
9. Brief Commission on Phase-2 RBPI development progress (19980161) (RES)	04/03	H. Hamzehee, RES

Comments:

4-9. External stakeholder review has been postponed for six months to allow for an internal review of the RBPI analyses and the programmatic implication on the Reactor Oversight Process (ROP). The schedule changes will align the NRR briefing on insights gained from the first year of the ROP, allowing the Commission to consider the RBPI development results in light of the ROP lessons learned.

IV. Topic Area: Reactor Licensing and Oversight

A. 50.59 Rulemaking and Guidance Development

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

Objective: To provide clarity and flexibility in existing requirements.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Commission briefing	2/29/00C	E. McKenna, DRIP
2. Information copy of NEI guidance and draft RG to Commission SECY-00-0071 (199700191)	3/24/00C	E. McKenna, DRIP
3. Draft Regulatory Guide issued for public comment	4/25/00C	E. McKenna, DRIP
4. CRGR review of final guidance and RG	8/22/00C	E. McKenna, DRIP
5. ACRS review of final guidance and RG	9/05/00C	E. McKenna, DRIP
6. Final Regulatory Guide sent to Commission for approval (199700191) (SECY-00-0203)	~~9/30/00~~ 09/29/00C	E. McKenna, DRIP
7. Issue final inspection guidance	Milestone 6 + 1 month	E. McKenna, DRIP
8. Conduct training for NRC staff on rule and inspection guidance	Milestone 7 continuing for 4 months	E. McKenna, DRIP
9. Publish FR notice with approval of regulatory guidance to establish effective date of rule	(see comment)	E.McKenna, DRIP
10. Revisions to 10 CFR 50.59 become effective	90 days after milestone 9	E. McKenna, DRIP

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

4. CRGR review of final guidance and RG was conducted on 8/22/00.

5. By memorandum dated September 5, 2000, the ACRS stated that it had decided not to review the final RG.

6. Commission paper sent to OEDO for approval on September 22, 2000.

8. Training will be conducted as close to finalization of guidance as possible, with a goal of completion prior to the effective date of the rule.

9. Publication date will depend upon Commission action on the final regulatory guide due to the Commission on September 30, 2000.

IV. Topic Area: Reactor Licensing and Oversight

B. Define Design Basis

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

Objective: To provide a clear definition of what constitutes design bases information.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Submit paper with draft regulatory guide to Commission (199800044) (NRR)	2/23/00C	S. Magruder, DRIP
2. SRM to direct staff to publish draft regulatory guide for public comment (60 days)	3/27/00C	S. Magruder, DRIP
3. Resolve issues identified during public comment period	8/00C	S. Magruder, DRIP
4. ACRS and CRGR review of paper and final regulatory guide	9/00C	S. Magruder, DRIP
5. Submit paper and final regulatory guide (199800044) (NRR)	10/31/00	S. Magruder, DRIP
6. Issue final regulatory guide	30 days after SRM	S. Magruder, DRIP

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

3. The comments on DG-1093 supported the draft guide. Some editorial changes were proposed. NEI submitted on July 27, 2000, a final version of Appendix B to NEI 97-06 for endorsement in a final RG.

4. The staff briefed the ACRS full Committee on the final RG on August 29, 2000. In a letter dated September 12, 2000, the ACRS recommended publishing the RG. The RG was provided to CRGR on September 13, 2000. The CRGR chairman indicated that a briefing for the committee was not be required anthat CRGR recommends issuance.

6. Publication date will depend upon the date of Commission approval of the final regulatory guide.

IV. Topic Area: Reactor Licensing and Oversight

C. Improved Standard TS

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. The goal for each milestone listed below is to complete the conversions currently under review such that the above objectives are met for the affected facilities.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Issue iSTS Amendment for NMP-2	2/15/00C	R. Tjader, DRIP
2. Issue iSTS Amendment for IP-3	~~12/00~~2/01	R. Tjader, DRIP
3. Issue iSTS Amendment for FitzPatrick	2/01	T. Le, DRIP

Through September 30, 2001		
Milestone	Date	Lead
4. Issue iSTS Amendment for LaSalle	3/01	C. Schulten, DRIP
5. Issue iSTS Amendment for Quad Cities	3/01	C. Schulten, DRIP
6. Issue iSTS Amendment for Dresden	3/01	C. Schulten, DRIP
7. Issue iSTS Amendment for Point Beach	4/01	C. Harbuck, DRIP
8. Issue iSTS Amendment for ANO, Unit 1	6/01	J. Foster, DRIP

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

2. Schedule revision agreed upon with licensee after delay in responses to RAIs.

~~2-~~3. ~~Schedule revision agreed upon with licensee after delay in responses to RAIs.~~ Schedule dependent on licensee responses being provided per the agreed upon schedule.

4-6. Licensee has requested an ambitious one year schedule for all three sites which has not previously been achieved. The staff has agreed to attempt to meet this schedule subject to the licensee's ability to support this accelerated program.

IV. Topic Area: Reactor Licensing and Oversight

D. 2.206 Petitions

SES Manager: Brian Sheron, Associate Director for Project Licensing and Technical Analysis, NRR

Objective: The objectives of the 2.206 Petition review process include ensuring the public health and safety through the prompt and thorough evaluation of any potential safety problem addressed by a petition filed under 10 CFR 2.206 and to ensure effective, timely communication with the petitioner (Management Directive 8.11). The objective of the actions listed below is to identify and implement measures to improve the staff's responsiveness to stakeholder needs (e.g., timeliness, communications) during the processing of 2.206 petitions.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Public Meeting to Discuss Comments in Response to FR Notice	2/10/00C	H.Berkow, DLPM
2. Submit Memorandum to Commission on Planned Significant Changes to MD 8.11 (199900113)	5/3/00C	H.Berkow< DLPM
3. Commission Briefing on Planned Process Improvements and Disposition of Specific Comments from Stakeholders	5/25/00C	H.Berkow, DLPM
4. Implement the Planned Process Improvements on an interim basis pending Revision to MD 8.11	6/30/00C	H.Berkow, DLPM
5. Publish Draft Revision to MD 8.11 and Disposition of Comments in FR For Public Comment (30 days)	7/31/00C see comment	H.Berkow, DLPM
6. Issue Revision to MD 8.11 (199900113)	10/20/00	H.Berkow, DLPM

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

5. Staff will consider preparing another memorandum to the Commission if significant comments are received from Milestone 5 that result in substantive changes to the draft revision to MD 8.11.

IV. Topic Area: Reactor Licensing and Oversight

E. Application of the Backfit Rule

SES Manager: Tad Marsh, Branch Chief, REXB/DRIP/NRR

Objective: Ensure that the staff closely adheres to the backfit rule, 10 CFR 50.109, in evaluating all additional requirements, expansion in scope, or unique interpretations against actual impact on public health and safety.

Prior to February 28, 2001		
Milestones	Date	Lead
1. RES Backfit Audit Issued	10/00	J. Rosenthal, RES
2. Backfit training at Headquarters and Regions	12/00	E. Benner ~~J. Lyons~~, DRIP

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

2. Training will occur two months after Milestone 1.

IV. Topic Area: Other Agency Programs and Areas of Focus

F. Decommissioning Regulatory Improvements

SES Manager: Stuart Richards, Director, PDIV/DLPM/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. The internal stakeholders include NMSS and RES. The external stakeholders include the public (interested individuals and public interest groups), various federal and state regulatory organizations, and the industry. Responsible staff, supervisors and managers are insuring 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 February 28, 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, PDIV-3
2. Technical staff to finalize decommissioning spent fuel pool draft study and risk objectives that can be used for decommissioning regulatory decision making. (199900132)	~~TBD~~10/31/00 See comment	G. Hubbard, SPLB/DSSA
3. Submit a long-term plan of action for broad-scope decommissioning regulatory improvement (199900133)	3 months following completion of Milestone 2 ~~TBD~~	D. Dudley PDIV-3
4. Submit a revised schedule to the Commission for completing Milestones 2 and 3 above.	~~9/15/00~~ ~~See comment~~ 9/11/00C	G. Hubbard SPLB/DSSA

Prior to February 28, 2001		
5. Revise as necessary and resubmit the integrated decommissioning rulemaking plan based on conclusions of finalized decommissioning spent fuel pool risk study. (199900072)	1/31/01 See comment	B. Huffman, PDIV-3

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

2. In a memorandum to the Commission dated ~~August 15~~September 11, 2000, the staff described the continuing difficulties being encountered in finalizing its spent fuel pool risk study and the adverse impact this was having on the development of the decommissioning regulatory improvement initiative. The memorandum included ~~the staff commitment to provide the Commission, not later than September 15, 2000, the completion dates for~~ a commitment to complete the spent fuel pool risk study ~~(Task 2 above)~~ by 10/31/00 and the long-term action plan ~~of action~~ for the decommissioning regulatory improvement initiative ~~(Task 3 above).~~ 3 months after the completion of the spent fuel pool risk study.

5. The SRM for SECY-00-0145, Integrated Rulemaking Plan for Nuclear Power Plant Decommissioning, returned the subject paper to the staff without vote and stated that the paper should be revised as necessary and resubmitted by 1/31/01 pending the developments made related to the finalization of the spent fuel pool study.

IV. Topic Area: Reactor Licensing and Oversight

G. Event Reporting Rulemaking

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

Objective: Revise event reporting requirements to reduce the reporting burden associated with events of little or no risk significance, obtain information better related to risk, and extend reporting time limits consistent with the need for prompt NRC action.

Coordination: Issues II.A, "Risk Informed Baseline Core Inspection Program," II.B, "Enforcement Program Initiatives," III.A, "Performance Assessment Process Improvements," III. B. Risk-based Performance Indicator Development," and IV.I., "Event Reporting Rulemaking," 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. In addition, industry-developed initiatives such as the NEI New Regulatory Oversight Process are being reviewed by all project groups and evaluated for impact.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Brief CRGR	2/8/00C	D. Allison, DRIP
2. a. Brief ACRS b. Brief ACRS	2/3/00C 3/2/00C	D. Allison, DRIP D. Allison, DRIP
3. Final rule to Commission (199800096) (NRR)	4/21/00C	D. Allison, DRIP
4. Publish final rule	~~OMB clearance + 1 mo.~~ 10/27/00	D. Allison, DRIP

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001

Milestone	Date	Lead
None		

Comments:

4. ~~On 9/21/99, OMB responded to, but did not approve, the information collection submittal on the proposed rule. OMB stated, "...NRC has indicated that it is in the process of changing the collection to respond to comments received during the comment period. OMB will wait to evaluate the collection at the final rule stage." Accordingly, publication of the final rule will be delayed until approximately one month after receipt of OMB's approval of the information collection requirements of the final rule. The Commission affirmed the final rule on July 10, 2000, and provided a SRM to that effect on July 11, 2000. The notice which indicates that the final rule has been submitted to OMB for clearance under the Paperwork Reduction Act was published in the Federal Register on July 26, 2000 (65 FR 46004). It is estimated that the OMB review will take approximately 3 months.~~ The conditional due date (OMB clearance +1 month) was converted to a specific date (10/27/00) because OMB cleared the rule on 9/27/00.

IV. Topic Area: Reactor Licensing and Oversight

H. Proposed KI Rulemaking

SES Managers: Cynthia Carpenter, Branch Chief, RGEB/DRIP/NRR (Rulemaking); Frank Congel, Director, IRO (Other Activities)

Objective: To implement Commission decision regarding the use of KI as a 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 develop aids to assist the states in applying the revised Federal policy.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Revise KI technical paper (NUREG-1633) to address public comments and provide to Commission (199700193) (IRO)	TBD (see comments)	Frank Congel, IRO
2. Develop final KI Federal policy FRN reflecting FRPCC review and send to Commission (199700193) (IRO)	TBD (see comments)	Frank Congel, IRO
3. Final brochure on use of KI provided to Commission for review (199700193) (IRO)	TBD (see comments)	Frank Congel, IRO
4. Publish Final Rule (199800173) (NRR)	SRM + 1 month (see comments)	M. Jamgochian, DRIP
5. Publish KI Federal Policy FRN	TBD (see comments)	Frank Congel, IRO
6. Publish final technical paper (NUREG-1633)	TBD (see comments)	Frank Congel, IRO
7. Finalize the public brochure on use of KI and provide to FEMA for publication	TBD (see comments)	Frank Congel, IRO
8. Establish procedures to access Federal stockpiles with FEMA	TBD (see comments)	Frank Congel, IRO

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1&2. The FDA continues to review its 1978 and 1982 position on the use of KI. The FDA's position is important to the content of the NUREG. The NRC draft guidance will be submitted to the Commission shortly after the FDA's draft revised position is issued. The staff is expecting FDA draft guidance by the end of calendar year ~~September~~ 2000, based upon discussions with FDA.

2&5. As explained in the comment above, the Federal policy cannot be revised until the FDA completes its review and announces its revised position. The Commission decision of April 22, 1999, not to fund State Stockpiles requires more negotiations with other federal agencies, particularly FEMA. This schedule will need to be negotiated. The staff forwarded a paper to the Commission in February 2000 describing the process. The staff is awaiting the Commission decision on the rulemaking and associated KI policy.

3&7. The development of the public brochure is tied to the completion of the NUREG.

6. The NUREG will be finalized after public comment.

7. The rulemaking package (SECY-00-0040) was forwarded to the Commission on February 14, 2000. The final rule will be published within one month of the issuance of the SRM.

8. Resolution of this issue is pending the Commission decision on the rulemaking and associated Federal KI policy.

IV. Topic Area: Reactor Licensing and Oversight

I. NEI Petitions - Petition for Modifying 50.54(a)

SES Manager: Ted Quay, Branch Chief, IQMB/DIPM/NRR

Objective: Complete the NEI Petition, accepting in part to modify 10 CFR Part 50.54(a), as it pertains to Quality Assurance Program Change Control and is intended to reduce burdens on industry.

Prior to February 28 2001		
Milestones	Date	Lead
1. Develop a plan and schedule for completing petition (199900004)	5/8/00C See comments	D. Dorman, DIPM
2. Conduct a public workshop to solicit feedback on implementation of the direct final rule for 10 CFR 50.54(a)	6/7/00C	R. Pettis, DIPM
3. ~~Close NEI Petition~~ Issue Commission paper recommending closure of NEI petition	~~9/30/00~~ 10/30/00	R. Pettis, DIPM
4. Close NEI petition after Commission approval received	1/31/01	R. Pettis, DIPM

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1. SECY-98-279 stated that a voluntary option proposed rule will be developed one year after receipt of the SRM, and a final rule the following year.

   SECY-98-300 subsequently proposed options for Risk-Informing 10 CFR Part 50 (RIP-50). SECY-99-256 proposed a rulemaking plan for RIP-50, Option 2. SECY-99-256 identified 10 CFR 50.54(a)(3) as a candidate for changes as part of that rulemaking. Action on the 50.54(a) rulemaking was deferred to assess the Option 2 rulemaking direction.

A Commission memorandum to provide a revised schedule for WITS 199900004 was issued on 5/8/00.

2. Public Meeting held with NEI and stakeholders on June 7, 2000. The petitioner (NEI) will inform the NRC in writing that no further action needs to be taken on the petition and further rulemaking is not necessary. This letter will permit NRC to close out the petition (WITS 199900004).

3. The NEI letter in response to the June 7, 2000, meeting was received approximately 6 weeks later than expected, and while it stated that further rulemaking to 10 CFR 50.54(a) was not warranted at this time, it did not explicitly withdraw the petition. This necessitated a September 5, 2000, staff letter that confirmed NEI's intent to withdraw the petition. A Commission paper to recommend closure of the petition is in concurrence.

4. Upon receipt of Commission approval, the staff plans to issue a Federal Register notice within 30 days to close the NEI petition.

IV. Topic Area: Reactor Licensing and Oversight

J. Maintenance Rule Rulemaking (10 CFR 50.65) and Guidance Development

SES Manager: Ted Quay, Branch Chief, IQMB/DIPM/NRR

Objective: Revise 10 CFR 50.65, "Requirements for monitoring the effectiveness of maintenance at nuclear power plants," and associated guidance to require that power plant licensees, before performing maintenance, assess and manage the increase in risk that may result from the maintenance activities. The revised rule becomes effective 180 days after issuance of the associated regulatory guidance.

Prior to February 28, 2001		
Milestones	Date	Lead
1. ACRS Briefing on final regulatory guide	3/2/00C	W. Scott, DIPM
2. CRGR 7-day negative consent	3/14/00C	W. Scott, DIPM
3. Provide Commission with final regulatory guide for review and approval (199800032)	3/28/00C	W. Scott, DIPM
4. Final rule effective date	11/28/00	W. Scott, DIPM

Through September 30, 2001		
Milestones	Date	Lead
None		

Beyond September 30, 2001		
Milestones	Date	Lead
None		

Comments:

3. The staff has developed Draft Regulatory Guide DG-1082, which endorses Final Draft Section 11 of NUMARC 93-01 without regulatory exception. Ten public comments were received on DG-1082 and have been incorporated in the final guidance as appropriate. The final regulatory guide was provided for Commission review in SECY-00-0074, issued March 28, 2000.

4. Per SECY-00-0074 SRM dated 5/1/00, the rule will become effective 180 days from issuance of Regulatory Guide 1.182 in the *Federal Register*, which took place on June 1, 2000.

IV. Topic Area: Reactor Licensing and Oversight

K. 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.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Update Commission on status of NFPA activities (199900032) (see comment)	12/31/00	E. Connell, SPLB

Through September 30, 2001		
Milestone	Date	Lead
2. NRC conducts a public meeting with interested stakeholders	4/30/01	E. Connell, SPLB
3. Brief ACRS fire protection subcommittee on rulemaking efforts	5/31/01	E. Connell, SPLB
4. Brief CRGR on rulemaking efforts	6/31/01	E. Connell, SPLB
5. Publish proposed rule change for public comment	7/30/01	E. Connell, SPLB

Beyond September 30, 2001		
Milestone	Date	Lead
6. Resolve public comments	11/30/01	E. Connell, SPLB
7. Brief ACRS & CRGR on final rule	1/31/02	E. Connell, SPLB
8. Submit final rule for Commission approval (199900032)	3/31/02	E. Connell, SPLB

Comments:

3. NFPA issued NFPA 805 for public comment, and NFPA has resolved public comments on the proposed industry standard and revised the standard; that the proposed NFPA 805 will be approved by the NFPA membership by November 15, 2000; and that NFPA will publish NFPA 805 by March 31, 2001. The staff is currently reassessing the remainder of the schedule in advance of updating the commission and will revise the milestone dates following this assessment.

IV. Topic Area: Reactor Licensing and Oversight

L. 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.

Coordination: Issues IV.~~M~~L. "Reactor Safeguards Initiatives," and VII.X, "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.

Prior to February 28, 2001		
Milestones	Date	Lead
1. Conduct public meetings with industry groups and other stakeholders	4/00C	R. Rosano, DIPM

Through September 30, 2001		
Milestones		Lead
2. ACRS Briefing	3/01	R. Rosano, DIPM
3. CRGR Briefing	4/01	R. Rosano, DIPM
4. Proposed rule to Commission (199800188)	5/01	R. Rosano, DIPM

Beyond September 30, 2001		
5. Proposed rule published in the *Federal Register* with a 75-day comment period	11/01	R. Rosano, DIPM
6. Resolution of public comments	3/02	R. Rosano, DIPM
7. Final rule to EDO (199800188)	5/02	R. Rosano, DIPM
8. Final rule to Commission	7/02	R. Rosano, DIPM
9. Publication of rule	11/02	R. Rosano, DIPM

Comments:

1. The staff is conducting public working meetings on a routine basis to obtain stakeholder input for the rulemaking effort.

1-9. 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.

IV. Topic Area: Reactor Licensee Performance Assessment

M. Utilization of MOX Fuel in Nuclear Power Reactors

SES Manager: Farouk Eltawila, Branch Chief, SMSAB/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_2 fuel is adequate for MOX fuel.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Complete agreements with Belgonucleaire, Belgium, Institute de Protection et de Surte Nuclleire (IPSN), France, and Japan Atopic Energy Research Institute (JAERI), to obtain data on MOX fuel	1/01	A. Szukiewicz, RES

Through September 30, 2001		
Milestone	Date	Lead
2. Issue draft PIRT report on RIA, PWR LOCA and the Applicability of NUREG-1465 Source Term to MOX fuels	6/01	R. Lee, RES
3. Meet with the ACRS subcommittee to discuss PIRT results and proposed research plan to address source term issues	7/01	R. Lee, RES

Beyond September 30, 2001		
Milestone	Date	Lead
4. This activity is long-term with an anticipated completion date (e.g., SRP, Regulatory Guide) in 2005	06/05	F. Eltawila, RES

Comments:

2. Combine with PIRT for high burnup fuel.

3. Combine briefing to ACRS on PIRT for high burnup fuel and MOX.

IV. Topic Area: Reactor Licensing and Oversight

N. High Burnup Fuel

SES Manager: Farouk Eltawila, Branch Chief, SMSAB/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 February 28, 2001		
Milestone	Date	Lead
1. Meet with the ACRS subcommittee to discuss RIA 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 Agreements with Institute de Protection et de Sûrté Nucléire (IPSN), France, and Japan Atomic Energy Research Institute (JAERI) Japan, to obtain data on RIA Tests for high burnup fuel	10/00-IPSN 12/00-JAERI	A. Szukiewicz, RES

Through September 30, 2001		
Milestone	Date	Lead
4. Issue Phenomena Identification and Ranking Tables (PIRT) report summarizing the expert elicitation to identify, important rank phenomena affecting high burnup fuel behavior under reactivity insertion accidents (RIA), BWR stability, and LOCAs to high burnup fuels	6/01	R. Meyer, RES
5. Issue an interim PIRT report on Applicability of NUREG-1465 Source Term on high burnup fuel.	6/01	R. Meyer, RES
6. Meet with the ACRS subcommittee to discuss PIRT results and proposed research plans	7/01	R. Meyer, RES
7. Complete LOCA Oxidation tests for Zircaloy-2	9/01	S. Basu, RES

Beyond September 30, 2001		
Milestone	Date	Lead
8. Summarize the results from 2 RIA tests at the Cabri (sodium loop) reactor	12/01	R. Meyer, RES
9. The activity is long-term with an anticipated completion date for the RIA tests and issuance of modification to (e.g., the SRP or Regulatory Guide) in 2007	06/07	F. Eltawila, RES

Comments:

1. Per discussion with ACRS.

3. IPSN delayed until 10/00. Agreement under active negotiation. Meeting scheduled with France for June 27-28. JAERI delayed until 12/00. Negotiation with Japan not yet started; the RES office director will make a trip to Japan in Fall 2000. It will take several months to get interagency approvals of non-technical issues.

4. To minimize duplication of efforts, in the May update of CTM it was decided to publish a single PIRT report that combines three of the high burnup phenomena ranking for BWR stability, and LOCAs. The PIRT on RIA has also been added to this one report. The PIRT on source term will not be included in this combined report and has been added as a separate item.

5. Activity on source term added, it will not be included in the combined PIRT report.

IV. Topic Area: Reactor Licensing and Oversight

O. Power Uprates

SES Manager: Suzanne Black, Deputy Director, DLPM

Objective: Review licensee applications for increased reactor power levels and provide improvements in licensing requirements which will permit efficiency in granting power uprate requests.

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Background: The staff has coordinated with the industry to improve planning and staff review of licensee applications for extended power uprate. The Generic Topical Reports for the BWR Extended Power Uprate Program were approved in 1998. Monticello and Hatch (Units I & II) have applied for and received approvals for 6.5% and 8% uprates, respectively in late 1998. For the period of 1990-1999, 31 units received power uprates, totaling about 1370 MWe.

In 1999, Comanche Peak, Unit 2 received the staff's approval for a 1% power increase with an exemption to 10 CFR Part 50 Appendix K. This approval increased the Unit's electrical output by about 10 MWe.

Associated with Comanche Peak's Appendix K exemption request, the staff has already approved Caldon's "Leading Edge" Flow Meter. The staff has also approved ABB's "Cross Flow" flow meter topical report.

A final rule change to 10 CFR Part 50 Appendix K will allow licensees to modify the assumed power level in the ECCS analyses. This change could allow certain licensees to pursue small (i.e., about 1%) power uprates. The final rule change (refer to SECY 00-0057) was approved by the Commission on May 3, 2000. The revised Appendix K became effective by the end of July 2000.

Coordination: Rule changes associated with revision to 10 CFR 50, Appendix K have been coordinated with ACRS, CRGR, OGC, and RES.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Issue safety evaluation report for the ABB "Cross Flow" Meter Topical Report	3/20/00C	I. Ahmed, DE
2. Issue Final Rule change revising 10 CFR 50, Appendix K	5/3/00C	J. Donoghue, DSSA
3. Issue 5% power uprate amendment for Lasalle units 1 and 2	5/9/00C	T. J. Kim, DLPM
4. Issue 5% power uprate amendment for Perry	6/1/00 C	T. J. Kim, DLPM

Through September 30, 2001		
Milestone	Date	Lead
5. Issue 5% power uprate amendment for River Bend	~~9/30/00~~ 10/13/00 See comment	T. J. Kim, DLPM
6. Issue 2% power uprate amendment for Diablo Canyon Unit 1	10/30/00	T. J. Kim, DLPM
7. Issue 1.4% power increase amendment (w/ flow meter) for Watts Bar Unit 1	12/15/00	T. J. Kim, DLPM
8. Issue 5% power uprate amendments for Byron/Braidwood	05/01/01	T. J. Kim, DLPM

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

Duane Arnold application for a 15% power uprate is expected in October 2000.

ComEd's applications for 15% power uprate for both Dresden and Quad Cities are expected in December 2000.

Brunswick application for 15% power uprate is expected in mid-2001.

In 2001-2002, applications for 5% uprate are expected for the following plants: Clinton, Vermont Yankee, Grand Gulf, ANO-2, Beaver Valley, and DC Cook.

~~5 & 6. The staff's target completion dates for River Bend's 5% power uprate amendment and for Diablo Canyon's 2% power uprate amendment have been changed (each by about a month) to accommodate staff's work on other higher priority licensing actions. This change in schedule will not impact the licensees' schedule for implementing power uprate.~~

5. The staff's target completion date for the River Bend 5% power uprate amendment has been changed in order to support work on other higher priority licensing actions. This change in schedule does not impose an impact on the licensee's scheduled implementation of this power uprate.

7. The staff's target completion date for the Watts Bar 1.4% power uprate amendment is based on the staff's resources and priorities.

V. Topic Area: License Renewal

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

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

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

Prior to February 28, 2001		
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 Commission decision complete for Calvert Cliffs	3/23/00C See Comments	C. Grimes, DRIP
7. License renewal Commission 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~~9~~. Commission briefing on GALL report , SRP, and RG/NEI 95-10 public comments (199900103)	12/00 ~~(see comment)~~	C. Grimes, DRIP
11~~0~~. Issue ANO-1 Draft Environmental Impact Statement Supplement	12/00	C. Carpenter, DRIP
12~~1~~. Issue ANO-1 Safety Evaluation Report (SER) and identify open items	1/01	C. Grimes, DRIP

Prior to February 28, 2001		
Milestone	Date	Lead
13~~2~~. Issue Hatch Draft Environmental Impact Statement Supplement	1/01	C. Carpenter, DRIP
14~~3~~. Issue Hatch SER and identify open items	2/01	C. Grimes, DRIP
~~14. ACRS full committee meeting on ANO-1 SER and open items~~	~~2/01~~	~~C. Grimes, DRIP~~

Through September 30, 2001		
Milestone	Date	Lead
~~15. ACRS full committee meeting on Hatch SER and open items~~	~~3/01~~	~~C. Grimes, DRIP~~
15~~6~~. Submit final GALL report and SRP to the Commission for approval (199600056)	4/01	C. Grimes, DRIP
16~~7~~. Issue ANO-1 Final Environmental Impact Statement Supplement	7/01	C. Carpenter, DRIP
17~~8~~. Issue Hatch Final Environmental Impact Statement Supplement	7/01	C. Carpenter, DRIP
18~~9~~. Provide recommendations to the Commission regarding potential rulemaking (199900104)	8/01	C. Grimes, DRIP
19~~20~~. Issue ANO-1 Supplemental SER	9/01	C. Grimes, DRIP

Beyond September 30, 2001		
Milestone	Date	Lead
~~21. ACRS full committee meeting on ANO-1 Supplemental SER~~	~~10/01~~	~~C. Grimes, DRIP~~
20~~2~~. Issue Hatch Supplemental SER	10/01	C. Grimes, DRIP
~~23. ACRS full committee meeting on Hatch Supplemental SER~~	~~11/01~~	~~C. Grimes, DRIP~~
21~~4~~. Commission decision on ANO-1 license renewal	2/21/02	C. Grimes, DRIP
22~~5~~. Commission decision on Hatch license renewal	3/21/02	C. Grimes, DRIP

Comments:

6. The Commission approved the issuance of the Calvert Cliffs renewed licenses on March 23, 2000, and the licenses were issued the same day.

   The Commission's denial of the request for hearing on the Calvert Cliffs application was appealed to the Court of Appeals for the D.C. Circuit. On November 12, 1999, the U.S. Court of Appeals for the District of Columbia Circuit issued a decision remanding the Calvert Cliffs proceeding to the Commission for further action. However, on Nov. 22, 1999, the court vacated its earlier judgement and accompanying majority opinion. The court heard oral arguments on March 2, 2000. On April 11, 2000, the court issued its decision denying the petition for review. The petitioner requested a rehearing by the full court which was denied on June 15, 2000. The petitioner ~~now~~ has asked ~~until September 13, 2000, to seek review in~~ the Supreme Court to review the appellate court's decision.

8. The Federal Register Notice announcing the availability of the documents and requesting public comments was issued on August 31, 2000. The public comment period closes on October 16, 2000. A public workshop to discuss the documents ~~is scheduled for~~ was held on September 25, 2000.

9. The staff is currently performing an acceptance review of the Turkey Point renewal application and developing a proposed review schedule. If the application is found acceptable, the staff will establish a schedule with the applicant and milestones will be added to the CTM.

~~10~~9. ~~SECY rescheduled the Commission briefing from November 2000 to December 2000 to accommodate invited participants' schedules.~~

Deleted 14, 15, 21, and 23

The items regarding ACRS meetings were deleted to allow the ACRS and the staff the flexibility to adjust meeting schedules as needed to accommodate the various license renewal and other ongoing ACRS activities. ACRS reviews will continue to be completed to support the application review milestones contained in the CTM.

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.

Prior to February 28, 2001		
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 See comment	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 See comment	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 See comment	E. Adensam, PDI

Prior to February 28, 2001		
8. Complete the order and conforming amendment for the acquisition of Vermont Yankee by AmerGen.	7/7/00 C	E. Adensam, PDI
9. Complete the order for the acquisition of Florida Progress (Crystal River 3) by Carolina Power & Light. (020000113)	5/22/00 C	H. Berkow, PDII
10. Complete the order and conforming amendment for Trojan resulting from the acquistion 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).	6/30/00 C	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).	10/1/00 See comment	S. Richards, PDIV
15. Complete the orders and conforming amendments for Clinton, Oyster Creek, and TMI 1, ~~and Vermont Yankee~~ resulting from the merger of UNICOM and PECO (AmerGen).	~~10/1/00~~ 10/13/00 See comment	E. Adensam, PDI
16. Complete the orders and conforming amendments for Indian Point 3 and Fitzpatrick resulting from the acquisition of the plants by Entergy.	10/15/00 See comment	E. Adensam, PDI
17. Complete the order and conforming amendment for Vermont Yankee resulting from the merger of UNICOM and PECO/AmerGen.	10/16/00 See Comment	E. Adensam, PDI
18. Complete the orders and conforming amendments for Palo Verde 1/2/3 resulting from the restructuring of El Paso Electric Company.	12/1/00	S. Richards, PDIV

Through September 30, 2001		
Milestone	Date	Lead
19. Complete the orders and conforming amendments for Millstone 1/2/3 resulting from the acquisition of the plants by Dominion Nuclear Connecticut.	3/1/01	E. Adensam, PDI

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

2. While the staff has completed the orders and conforming amendments for these license transfers two petitions to intervene have been filed related to the New Century Energies Merger. The Commission has not yet made a determination on standing for these petitions and there is a backlog of petitions on license transfers to be considered by the Commission. Consistent with 10 CFR 2.1316(a), the staff has issued the orders, conforming amendments, and SEs approving the transfer noting that the Commission has the petitions under consideration.

3. While the staff has completed the Orders and Conforming Amendments for these license transfers three petitions to intervene have been filed related to the NSP-NMC submittals, but none against the DAEC-NMC, Kewuanee-NMC, or Point Beach-NMC submittals. The Commission has not yet made a determination on standing for these petitions and there is a backlog of petitions on license transfers to be considered by the Commission. Consistent with 10 CFR 2.1316(a), the staff has issued the orders, conforming amendments, and SEs approving the transfer noting that the Commission has the petitions under consideration.

~~6. The license transfer order was issued on 8/3/00. This is was a complex review involving a new entity acquiring 20 units. The staff has been informed recently that the license transfer applications will be supplemented to detail the creation of a necessary holding company to be inserted into the new corporate structure. Once the supplement is submitted and the staff reviews it, an suitable extension to the 06/30/00 completion date may be necessary to incorporate this new information into the staff's safety evaluations currently under review. Supplemental applications have been received from PECO and ComEd adding another holding company between the parent company and the generating company. Based on these supplements the completion date has been extended to 7/31/00.~~

7. ~~Staff resource loading and rearrangement of review priorities resulted in a further schedule change. However, this is a complex review involving a new entity acquiring 6 units and may require management attention to complete the review by the scheduled date. Additional information on technical and financial qualification that was requested by the staff in February 2000 was provided by the licensee on May 2, 2000. The delay in receiving this information has caused the staff to delay the issuance of the orders approving the transfers. The licensee also informed the staff that the merger will now be effected by late summer 2000. Also, there has been a petition to intervene and a request for a hearing regarding Millstone's license transfer that may impact the issuance of the license transfer orders.~~ The license transfer order was issued on 8/22/00. The petition to intervene regarding Millstone's license transfer is still under review by the Commission. Consistent with 10CFR 2.1316(a), the staff issued the order including a statement that Commission review of the hearing request is under consideration.

~~13. The license transfer order and conforming amendment were issued on 6/30/00. This was a complex application involving a number of indirect and direct transfers of the licenses for Calvert Cliffs 1/2. The final licensed owner/operator of the plants will be Calvert Cliff, Inc. This transfer includes the independent spent fuel storage installation (ISFSI) located at Calvert Cliffs. The licensee had requested a completion date of 6/1/00.~~

– The Public Service Company of New Mexico requested a revised Order issue date of 10/1/00, a three month delay from their original requested date. The revised request results from a delay of 6 to 12 months by the State of New Mexico for mandatory implementation of deregulation for New Mexico utilities.

– The subject merger is related to ~~and as a result of~~ the UNICOM/PECO Merger ~~(item 15)~~. PECO is a partner in AmerGen, therefore each of the facilities either currently owned by, or being acquired by AmerGen, are subject to review as a result of the UNICOM/PECO merger. ~~The acquisitions by AmerGen of Oyster Creek, and Vermont Yankee must be completed before the staff can complete action on the February 29, 2000, application~~. ~~Although the acquisition of Oyster Creek and Vermont Yankee by AmerGen is not yet complete, the Staff is proceeding with its review of the proposed acquisition~~. The license transfer package for Clinton, Oyster Creek, and TMI 1 has been revised to remove Vermont Yankee from the order. The Vermont Yankee license transfer is being treated as a separate issue (see comment 17).

16. ~~The revised completion date provides a six month interval from the date of the licensee's submittal. This reflects a more realistic target date for completion based on recent review experience. The licensee is aware of the change in the expected completion date.~~ The completion date has been revised due to a re-prioritization of license transfer reviews. An issue yet to be resolved is whether the Power Authority of the State of New York can legally retain the decommissioning funding for the affected plants.

17. The 2/28/00 and 8/11/00 applications for Vermont Yankee have been combined into a separate license transfer order that will allow AmerGen to purchase the plant under any one of the four scenarios defined in the 8/11/00 application. Although the acquisition of Vermont Yankee by AmerGen is not yet complete, the Staff is proceeding with its review of the proposed acquisition.

18. The 7/6/00 application for orders and conforming amendments are due to be issued by December 1, 2000, to support the restructuring of the El Paso Electric Company.

19. The 8/31/00 application for an order and conforming amendment is based on the planned divestiture of Milltone, with NRC approval requested by March 2001.

VII. Topic Area: Materials and Waste Programs

A. Dual Purpose Spent Fuel Cask Reviews
1) Transnuclear TN-68 Cask Review

SES Manager: Susan F. Shankman, 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: David Tiktinsky, SFPO

Objective: To issue a Part 72 (storage) SER and certificate of compliance (through rulemaking) and a Part 71 (transportation) certificate of compliance for the TN-68 dual purpose cask system.

Coordination: Coordinate with OGC and the Office of Nuclear Material Safety and Safeguards (NMSS)/Division of IMNS for rulemaking and issuance of the certificate of compliance.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Staff completes rulemaking; issues CoC for use under Part 72	4/28/00C	M.Tokar, SFPO
2. Staff issues Part 71 SER and CoC	02/01	D. Tiktinsky, SFPO

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1. Transnuclear's response to our request for additional information (RAI), submitted four months late on March 2, 2000, did not fully respond to several of the staff's questions. The staff documented these findings in a letter to the applicant dated March 29, 2000. On May 19, 2000, the applicant submitted the

additional information. By letter dated June 1, 2000, the staff notified the applicant that the review schedule had been revised to project issuance of the SER and CoC in February of 2001.

VII. Topic Area: Materials and Waste Programs

A. Dual Purpose Spent Fuel Cask Reviews
2) BNFL FuelSolutions - FuelSolutions Cask Review

SES Manager: Susan F. Shankman, 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) SER and certificate of compliance (through rulemaking). BNFL Fuel Solutions will submit a revised application for a Part 71 license in the future to allow transportation of the FuelSolutions cask.

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

Prior to February 28, 2001		
Milestone	Date	Lead
1. Staff issues draft storage SER and CoC for rulemaking	4/27/00C	M. Ross-Lee, SFPO

Through September 30, 2001		
Milestone	Date	Lead
2. Staff completes rulemaking; issues CoC for use under Part 72	03/01	M. Tokar, SFPO

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

On March 23, 2000, BFS notified NRC that it was formally changing the name of the Wesflex storage system to the FuelSolutions storage system. BFS currently plans to

submit a rebaselined transportation application in April 2001 to be used with the FuelSolutions storage system.

VII. Topic Area: Materials and Waste Programs

A. Dual Purpose Spent Fuel Cask Reviews
3) NAC-UMS Cask Review

SES Manager: Susan F. Shankman, 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: Timothy McGinty

Objective: To issue a Part 72 (storage) SER and certificate of compliance (through rulemaking) and a Part 71 (transportation) certificate of compliance 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 is coordinating with OGC and IMNS to complete rulemaking and issue the certificate of compliance for use in October 2000.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Staff completes rulemaking; issues CoC for use under Part 72	10/00	M. Tokar, SFPO

Through September 30, 2001		
Milestone	Date	Lead
2. Staff issues Part 71 SER and CoC	5/01	T. McGinty, SFPO

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

2. 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 an RAI in August 1999. NAC responded to the staff's August 1999 RAI on June 29, 2000.

VII. Topic Area: Materials and Waste Programs

B. ISFSI Licensing - Private Fuel Storage

SES Manager: Susan F. Shankman, 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.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Issue Draft EIS	6/23/00C	M. Delligatti, SFPO
2. Staff issues supplement to SER	see comment	M. Delligatti, SFPO
3. Begin ASLB Hearing on Safety Contentions (Round 1)	6/19/00C	G. P. Bollwerk, ASLB
4. Issue Final Safety Evaluation Report	10~~9~~/00	M. Delligatti, SFPO
5. Issue Final EIS	2/01	M. Delligatti, SFPO

Through September 30, 2001		
Milestone	Date	Lead
6. Hearing on Environmental Contentions and Remaining Safety Contentions (Round 2)	07/01	G. P. Bollwerk, ASLB

Beyond September 30, 2001		
Milestone	Date	Lead
7. Final Decision on Licensing	12/01	Commission

Comments:

2. Due to delays by the applicant to provide seismic and airplane accident data required to complete the evaluation, the evaluation of seismic and airplane accidents will be addressed in the final SER (milestone 4).

4. Issuance of the final safety evaluation report was delayed to coordinate Congressional inquiries.

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: Susan F. Shankman, Deputy Director, Licensing and Inspection Directorate, Spent Fuel Project Office (SFPO)

Project Managers: John Cook and Robert Lewis, SFPO

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: 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 ~~is conducting additional meetings~~ 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. RES would have the lead on confirmatory analyses and testing, in close coordination with NMSS.

Prior to February 28, 2001		
Milestone	Date	Lead
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	12/00	S. Shankman, SFPO

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments: None.

VII. Topic Area: Materials Programs and Waste Programs

C. Generic Spent Fuel Transportation Studies
3) Burnup Credit for Transportation

SES Manager: Farouk Eltawila, Branch Chief, SMSAB/DSARE/RES

Objective: The objectives are 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 the repository. The information would be used by the staff to develop a Regulatory Guide and a Standard Review Plan to assist the staff in properly reviewing licensee requests for use of burnup credit.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Hold a series of three public meetings to identify phenomena affecting burnup credit	05/16-18/00C-PWR 08/22-24/00C-PWR ~~11/00~~-12/00 BWR&MOX	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. Meet with the ACRS/ACNW subcommittee to discuss Phenomena Identification and Ranking Tables (PIRT) results and proposed research plans to address source term issues	12/00	D. Ebert, RES
5. Issue PIRT report summarizing the expert elicitation to identify, and rank important phenomena affecting burnup credit	12/00	D. Ebert, RES

Through September 30, 2001		
Milestone	Date	Lead
6. Develop the technical bases to reduce uncertainty and refine the NRC technical position on review and acceptance of extended burnup credit package design	09/01	D. Ebert, RES

Beyond September 30, 2001		
Milestone	Date	Lead
7. Issue a Standard Review Plan to assimilate the technical areas and provide the NRC staff with criteria and processes to review and approve burnup credit in safety analysis	09/02	W. Hodges, SFPO
8. This activity is long-term with an anticipated completion date (e.g., SRP, Regulatory Guide) in 2004	06/04	F. Eltawila, RES

Comments:

1. RES reprogrammed resources to support NMSS/SFPO development of Interim Staff Guidance on burnup credit for transportation casks. (Milestone #8). This has led to the interaction with Stakeholders and other parties. Meeting for PWRs was held on 05/16-18/00; additional PWR meeting scheduled for 08/00. Added milestone for public meeting on BWRs & MOX on 11/00.

   Public meeting to identify phenomena affecting burnup credit for BWR and MOX has been scheduled for December 12-14, 2000 to maximize availability of peer-reviewers.

3. Agreement with Belgonucleaire signed January 5, 2000. ~~Activities with JAERI have not yet been proposed. We expect that a proposal will be presented to JAERI in September 2000 when A. Thadani visits Japan.~~ Office Director is scheduled to present proposal to Japan Atomic Energy Research Institute on trip scheduled for September 29, 2000.

4. Issuance of PIRT tables delayed until meetings in item 2 have been completed.

5. Activity deleted, EPRI and international partners are currently participating in the PIRT review. See new Item 5.

~~5. PIRT review started late due to NEI/EPRI not providing list of PIRT experts until April 2000.~~

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
Farouk Eltawila, 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.

Prior to February 28, 2001		
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

Through September 30, 2001		
Milestones	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
2. 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	3/02	S. Basu RES
3. Meet with the ACRS/ACNW subcommittee to discuss results and proposed research plan	3/02	S. Basu , RES
4. Develop technical bases for evaluating the high-burnup nuclide inventories and associated source terms to be used for the cask license renewal	9/03	S. Basu, RES
5. 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

6. Develop the technical bases for evaluating high burnup cladding integrity by performing creep tests on high burnup fuel rods.	09/03	S. Basu, RES

Comments:

2-5. It has been recently learned that the shipment of the Surry fuel rods to the contractor performing the destructive and nondestructive examinations will be delayed. The facility used to prepare the fuel rods for shipment is also used by the DOE to prepare the Three Mile Island Unit 2 fuel debris for storage. DOE has priority in facility use because of their commitment to the State of Idaho. The target dates will be revised when the extent of the delay has been identified. Dates shown assume that the contractor performing the destructive and non-destructive examinations will receive the Surry fuel rods by October 15, 2000.

VII. Topic Area: Materials and Waste Programs

D. Uranium Recovery Concerns (NMA White Paper Issues)

- Dual regulation of ground water at in situ leach (ISL) facilities
- Expanded use of mill tailings impoundments to dispose of other material
- Eliminate consideration of economics in the processing of alternate feedstock

SES Manager(s): Philip Ting, Chief, Fuel Cycle Licensing Branch, Division of Fuel Cycle Safety and Safeguards (FCSS)

Objectives: To look for ways to: (1) eliminate dual regulation of ISLs facilities; (2) reduce unnecessary regulatory burden on uranium mills wanting to expand the use of impoundments for disposal of other materials besides mill tailings; and (3) reduce unnecessary regulatory burden on uranium mills who want to engage in recycling of materials for their uranium content

Coordination: OGC

Prior to February 28, 2001		
Milestone	Date	Lead
1. Briefed TAs on the 4 Commission papers	02/10/00C	Dan Gillen, FCSS
2. Respond to EPA comments w/ copy to Commission (200000011)	03/02/00C	Jim Kennedy, DWM
~~4.~~ 3. Issue revised draft guidance as necessary on disposal capability with any Commission-approved revisions ~~(199800177)~~ (200000028)	11/17/00 ~~6 months after Comm. Direction~~	M. Fliegel ~~Dan Gillen~~, FCSS
~~5.~~ 4. Implement any changes in review of alternate feedstock that result from hearing and Commission review of previous hearing orders (200000028)	11/17/00 ~~6 months after Comm. Direction~~	M. Fliegel ~~Dan Gillen~~, FCSS
~~6.~~ 5. Issue revised interim guidance to implement Commission decisions on ISL issues. ~~Revise ISL Standard Review Plan to implement staff recommendations if approved by Commission (199800177)~~ (200000028)	11/17/00 ~~6 months after Comm. Direction~~	M. Fliegel, ~~Bill Ford,~~ FCSS
~~3.~~ 6. Complete Part 41 rulemaking plan, including recommendations on regulatory changes to address the three issues (199800177)	02/05/01 ~~4 months after Comm. Direction~~	Mark Haisfield, IMNS

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
7. ~~Publish p~~roposed Part 41 to Commission ~~for public comment, including regulatory changes to address three issues~~ (199800177)	04/2002 ~~12 months after completion of the rulemaking plan~~	Mark Haisfield, IMNS
8. ~~Publish f~~Final Part 41 to Commission ~~codifying agency policy on resolution of three issues~~ (199800177)	15 ~~11~~ months after publication of the proposed rule	Mark Haisfield, IMNS

Comments: The three issues were raised in a Senate report and were addressed in the National Mining Association White Paper that was presented to the Commission in April 1998.

~~4,5,&6. Although the final Commission direction on the White Paper issues was received on August 11, 2000, these dates will be revised during the September update to allow for NMSS management review of planned schedules for the policy implementation and rulemaking.~~

3, 4, & 5. Interim guidance to be provided through a generic communication with licensees.

6, 7, & 8. Revised to conform with topic VII.F., “Part 41 Rulemaking...”.

VII. Topic Area: Materials and Waste Programs

E. Part 40: 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) under various Federal statutes.

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

Interaction with States, EPA, etc. is in the early planning stages; a Working Group will be formed. The proposed rule on transfers from licensees (related to Milestone 1) was sent to the Agreement States in July 2000. The draft rule plan on control of distribution (related to Milestone 2) will be sent to the Agreement States in December 2000.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Proposed rule (on transfers from licensees) to Commission (200000041) (SECY-00-0201)	~~9/8/00~~ 9/25/00C	C. Prichard, IMNS

Through September 30, 2001		
Milestone	Date	Lead
2. Rule plan (on control of distribution) to Commission (200000042)	3/9/01	G. Comfort, IMNS
3. Status report on interaction with States and other Federal Agencies (199800203)	3/9/01	L. Suttora, IMNS

Through September 30, 2001		
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 September 30, 2001		
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.)	12/28/01	C. Mattsen, IMNS

Comments:

1. Proposed rule sent to EDO on 9/1/00.

5. Date changed from 12/00 to 12/01 based on Office of Nuclear Regulatory Research finalizing the report in December 2000.

VII. Topic Area: Materials and Waste Programs

F. Part 41 Rulemaking: Domestic Licensing of Uranium and Thorium Recovery Activities

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

Philip Ting, Chief, Fuel Cycle Licensing Branch, Division of Fuel Cycle Safety and Safeguards (FCSS)

Objective: Separate out and update uranium recovery regulations into new Part 41.

Coordination: OGC and OSTP

Prior to February 28, 2001		
Milestone	Date	Lead
1. Issue final rulemaking plan (199800177)	2/5/01 ~~4 months after Comm. Direction~~	M. Haisfield, IMNS

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
2. Proposed Part 41 to Commission (199800177)	~~12 months after completion of the rulemaking plan~~	M. Haisfield, IMNS
3. Final rule to Commission (199800177)	~~11~~ months after publication of the proposed rule	M. Haisfield, IMNS

Comments:

1. ~~Although t~~ The Commission direction on 4 SECYs (99-011, -012, -013, and -277) was received on 8/11/00~~, the date for this milestone will be added during the next update (in September) to allow for NMSS management review of planned schedules~~. Delay of two months (December to February) is to allow time for management guidance on whether to send the plan to all States or only to Agreement States, and to reflect current priorities.

VII. Topic Area: Materials and Waste Programs

G. Reactor Decommissioning Guidance

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

Objective: Incorporate public comments into a final version of the SRP for License Termination Plans

Coordination: NRR, Regions, RES. A Multi-Agency Radiologic Laboratory Analysis Procedure (MARLAP) manual is being developed with EPA, DOE, NIST, DOI, and DOD. This manual will ensure common laboratory radioanalysis procedures are used to support final radiologic survey sample analysis. This document was issued for internal agency review for the period February 10, 2000 through May 10, 2000.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Publish final version of SRP for License Termination Plans	5/00C	L. Pittiglio, NMSS
2. Complete RESRAD, Version 6.0, and RESRAD-BUILD, Version 3.0, computer codes	6/28/00C	C. Trottier, RES
3. Complete D&D, Version 2, computer code	07/00C	C. Trottier, RES
4. Issue user's guide and parameter description for D&D, Version 2, computer code	11/00	C. Trottier, RES
5. Publish manual and code testing RESRAD, Version 6.0, and RESRAD-BUILD, Version 3.0, computer codes	11/00	C. Trottier, RES

Through September 30, 2001		
Milestones	Date	Lead
None		

Beyond September 30, 2001		
Milestones	Date	Lead
None		

Comments:

1. This task is independent of activities covered under IV.H, “Decommissioning Regulatory Improvements” which are guidance activities under NRR lead.

2. - 5. Substantial modeling effort is underway to revise D&D and RESRAD. The staff anticipates that refinement to the dose modeling will continue. MARLAP and other guidance are under development and are scheduled for completion in FY 2001.

   NMSS is developing guidance in support of demonstrating compliance with radiological criteria for license termination. This will be incorporated into a Standard Review Plan currently being developed by NRC staff for reviewing and evaluating plans and information submitted by licensees to support the decommissioning of nuclear facilities. (198900194)

3. Date for completion of D&D slipped one month, from June to July 2000, to account for additional corrections needed as a result of testing.

VII. Topic Area: Materials and Waste Programs

H. Atlas Bankruptcy and Site Reclamation

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

Objective: Complete Reclamation of Atlas Site in Moab, Utah

Coordination: OGC

Prior to February 28, 2001		
Milestone	Date	Lead
1. NRC approve tailings dewatering plan	09/12/00C ~~12/00~~	M. Fliegel, FCSS

Through September 30, 2001		
Milestone	Date	Lead
2. Staff Qs on revised ground-water corrective action program	5/01	M. Fliegel, FCSS

Beyond September 30, 2001		
Milestone	Date	Lead
3. Staff approve revised ground-water corrective action program	10/01	M. Fliegel, FCSS
4. Staff approve radon barrier construction	12/02	M. Fliegel, FCSS
5. Staff approve completion of surface reclamation	12/05	M. Fliegel, FCSS
6. Staff approve completion of ground-water corrective action program	7/08	M. Fliegel, FCSS

Comments:

1. Approval of the tailings dewatering plan delayed from 02/00 to 12 /00 due to delay in transferring the license to the Trustee and to delay in the Trustee selecting a groundwater consultant. Trustee submitted dewatering options plan that was approved in 7/00. Trustee's detailed dewatering plan ~~not yet~~ received in several submittals in August 2000, allowing staff to complete review early.~~, but expected soon. Staff will review detailed plan when received and work toward approval in 12/00.~~

2&3. Actions related to groundwater corrective action program are delayed due to need to collect seasonal ground and surface water data. Trustee is expected to provide revised ground-water corrective action program in Spring 2001.

6. Trustee submitted the March 2000 amendment request which indicated when they will submit plans.

VII. Topic Area: Materials and Waste Programs

I. 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

Public meeting on policy statement at West Valley site was conducted on January 5, 2000 at the Ashford Office Complex, West Valley, New York as announced in the December 3, 1999, Federal Register Notice. 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.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Commission Paper, with revised policy statement, to Commission for approval (199800178)	11/15/00	J. Parrott, DWM
2. Publish revised policy statement in Federal Register	TBD- dependent upon Commission decision	J. Parrott, DWM
3. After publication of West Valley Supplemental EIS, approve specific criteria for West Valley site	TBD	J. Parrott, DWM

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1&2. Based on public comments at the January 5, 2000 meeting, staff extended the public comment period.

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

VII. Topic Area: Materials and Waste Programs

J. 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

Prior to February 28, 2001		
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

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

2. The Master Schedule will be updated on an ongoing basis.

VII. Topic Area: Materials and Waste Programs

K. Part 61: Mixed Waste Rulemaking

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

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

Objective: Develop final rule for disposal of low activity mixed waste in a RCRA facility following promulgation of EPA final rule.

Coordination: OGC, OSTP

Will continue to work with EPA on the development of EPA proposed rule.

Prior to February 28, 2001		
Milestone	Date	Lead
None		

Through September 30, 2001		
Milestone	Date	Lead
1. Staff comments on EPA proposed rule to the Commission (199900116)	EPA publication date + approx. 60 days	N. Orlando, DWM

Beyond September 30, 2001		
Milestone	Date	Lead
2. Paper to Commission on proposed rule following publication of EPA's proposed rule (199900116)	EPA publication date + 9 months	M. Haisfield, IMNS
3. Paper to Commission on final rule (199900116)	Close of public comment period + 9 months	M. Haisfield, IMNS

Comments:

1. The vehicle for providing comments has not yet been established; comments may be provided in the form of a Commission paper, or a meeting with the Commissioner's assistants. EPA has currently put this effort on hold due to higher priority work and has withdrawn its proposed rule from OMB.

VII. Topic Area: Materials and Waste Programs

L. Prepare for Licensing a HLW Repository:
1) Part 63 Rulemaking: HLW Repository Licensing

SES Managers: Donald Cool, Director, Division of Industrial and Medical Nuclear Safety
Bill Reamer, Division of Waste Management

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

Coordination: OGC

~~A facilitated public meeting on defense in depth was held on November 2, 1999.~~

~~ACNW meeting on draft staff responses to public comments was held on November 18, 1999.~~

Prior to February 28, 2001		
Milestone	Date	Lead
1. Draft final rule to Commission. (199800029) (SECY-00-0084)	4/12/00C	T. McCartin, DWM

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments: None

VII. Topic Area: Materials and Waste Programs

L. Prepare for Licensing a HLW Repository
2) NRC Comments on DOE HLW Site Recommendation

SES Manager: Bill Reamer, DWM

Objective: Provide DOE in FY 2001 with the Commission preliminary comments concerning the extent to which the at-depth site characterization analysis and waste form proposal seem sufficient for inclusion in the license application.

DOE will incorporate the Commission comments in its Site Recommendation Report to the President in mid-FY 2001. These activities are required by the Nuclear Waste Policy Act.

Coordination: OGC

Prior to February 28, 2001		
Milestone	Date	Lead
1. Paper to Commission on Final Staff Guidance for Site Recommendation Review (199900117)	~~9/30/00~~ TBD	Manny Comar, DWM

Through September 30, 2001		
Milestone	Date	Lead
2. Paper to Commission on Final Site Recommendation Review to Commission (199900117)	4/30/01	Manny Comar, DWM

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1. Based on decision to not release the YMRP at this time. New due date will be determined in October.

2. Commission paper and comments to DOE are subject to receiving DOE Site Recommendation report by 11/30/00.

VII. Topic Area: Materials and Waste Programs

M. Part 35 Rulemaking: Medical Use Regulation

SES Manager : Donald Cool, Director, Division of Industrial and Medical Nuclear Safety (IMNS)

Objective: Primary: Revise Part 35, "Medical Use of Byproduct Material," into a risk-informed, more performance-based regulation. Secondary objectives include: provide for incorporation of regulatory requirements for new treatment modalities in a timely manner; revise the quality management program to focus on those requirements that are essential for patient safety; and incorporate or reference available industry guidance and standards.

Coordination: The revised Part 35 and Medical Policy Statement (MPS) were developed by a Working Group and Steering Group that included representatives of other offices (OGC, OSTP, OE) and the regional licensing and inspection staff. The associated guidance document (draft NUREG-1556, Volume 9, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Medical Licenses") was developed by licensing and inspection staff from several regions. Once the revised Part 35 becomes final, this document will be used for preparing and reviewing applications for medical use licenses.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Submit final rulemaking package (including draft NUREG-1556, Vol.9) to the Commission for approval (199700065) (SECY-00-0118)	5/31/00C	C. Haney, IMNS
2. Submit revision of NRC's Medical Policy Statement to the Commission for approval (199700065) (SECY-00-0113)	5/23/00C	C. Haney, IMNS
3. Revise rulemaking package ~~and Medical Policy Statement~~ following Commission review and approval of final rulemaking package ~~and MPS~~	SRM in response to Milestone~~s~~ 1 ~~& 2~~ + 2 mo.	C. Haney, IMNS
4. Publication of final rule in the Federal Register	Approx. 90 days after OMB approval of information collection requirements	C. Haney, IMNS

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

~~1.~~ 2. FR notice for Medical Policy Statement was published on 8/3/00 (65 FR 47654).

VII. Topic Area: Materials and Waste Programs

N. General Licenses Regulation (Part 30)

SES Manager: Donald Cool, Director, Division of Industrial and Medical Nuclear Safety (IMNS)

Objectives: Improve accountability for certain generally licensed devices, allow NRC to better track certain general licensees and the devices they possess, and to further ensure that general licensees are aware of and understand the requirements for the possession of devices containing byproduct material.

Coordination: OSTP, OGC, OE, ADM, CIO

Prior to February 28, 2001		
Milestone	Date	Lead
1. Final comprehensive rule to Commission (199800071) (SECY-00-0106)	5/15/00C	C. Mattsen, IMNS
2. Complete development of general license database and a registration system	6/27/00C	M. Raddatz, IMNS
3. Publish final comprehensive rule	Final rule due ADM (11/13/00) + 2 weeks	C. Mattsen, IMNS
4. Publish draft licensee guidance for public comment	FRN +1 mon.	C. Brown, IMNS

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1. SRM issued on 7/11/00 approving final comprehensive rule.

2. IMNS has received the General License Tracking System Software Program from the contractor. The system is now undergoing acceptance testing by staff. However, we will not issue registration until OMB clearance is approved, expected in Nov-Dec 2000.

VII. Topic Area: Materials and Waste Programs

O. 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, DRAA, RES

Objective: To examine NRC's regulatory approach for control of solid materials, including enhanced public participation in such a process. A paper on results of the Fall 1999 public meetings and recommendations for next steps was submitted to the Commission on March 23, 2000 (SECY-00-0070).

Coordination: Two public Commission briefings were held in May 2000.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Commission paper (SECY-00-0070) to Commission (199400059)	3/23/00C	F. Cardile, IMNS
2. Further activities based on Commission SRM on SECY-00-0070	See Comment 2	F. Cardile, IMNS

Through September 30, 2001		
Milestones	Date	Lead
(See Comment 3)		

Beyond September 30, 2001		
Milestones	Date	Lead
(See Comment 3)		

Comments:

2. SRM (dated 8/18/00) directed staff to:
   (A) Defer final decision on rulemaking,
   (B) Proceed with NAS study on alternative, and
   (C) Continue develop of technical bases.

SRM also directed staff to provide:
(A) Quarterly progress reports to Commission, and
(B) Recommendation to Commission approximately 3 months after completion of NAS study.

3. Additional Milestones will be added following initiation of NAS study.

VII. Topic Area: Materials and Waste Programs

P. Part 73 Rulemaking: Spent Fuel Shipment Information Protection Requirements

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

Susan Shankman, Deputy Director, Licensing and Inspection Directorate, Spent Fuel Project Office (SFPO)

Objective: Advanced notification for proposed rulemaking to amend Part 73. 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

Prior February 28, 2001		
Milestone	Date	Lead
1. Rulemaking plan to Commission for approval (199900123)	01/31/01	R. Broseus, IMNS

Through September 30, 2001		
Milestone	Date	Lead
2. Proposed rule to Commission (199900123)	SRM in response to Milestone 1 + 6 mo.	R. Broseus, IMNS

Beyond September 30, 2001		
Milestone	Date	Lead
3. Final rule to Commission (199900123)	Public comment period close date + 6 mo.	R. Broseus, IMNS
4. Publish final rule	Approx. 90 days after OMB approval of information collection requirements	R. Broseus, IMNS

Comments: None.

~~3.~~

~~1. ANPR was published. Comment period closed on 7/5/00 (Extended from 3/22/00 at the request of the National Conference of American Indians).~~

VII. Topic Area: Materials and Waste Programs

Q. Part 71 Rulemaking: Packaging and Transportation of Radioactive Material

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

Susan Shankman, Deputy Director, Licensing and Inspection Directorate, Spent Fuel Project Office (SFPO)

Objectives: To prepare a rulemaking 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).

Coordination: SFPO, OSTP, OGC

~~First~~ Three public meetings were ~~was~~ held ~~at NRC on 8/10/00. Two more public meetings are planned for September 2000~~ to solicit comments on the Part 71 issues: at NRC on 8/10/00, in Atlanta (GA) on 9/20/00, and in Oakland (CA) on 9/26/00. Agreement States were ~~are~~ invited to the public meetings.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Revised Commission paper to the Commission (199800008) (SECY-00-0117)	5/31/00C	N. Tanious, IMNS

Through September 30, 2001		
Milestone	Date	Lead
2. Proposed rule to Commission	03/01/01	N. Tanious, IMNS

Beyond September 30, 2001		
Milestone	Date	Lead
3. Publish final rule concurrently with DOT	06/30/02	N. Tanious, IMNS

Comments: None.

VII. Topic Area: Materials and Waste Programs

R. Part 72 Rulemaking: Independent Storage of Spent Nuclear Fuel and High Level Radioactive Waste
1) Greater-Than-Class-C (GTCC) Waste

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

Susan Shankman, 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 February 28, 2001		
Milestone	Date	Lead
1. Publish proposed rule (65 FR 37712)	06/16/00C	M. Haisfield, IMNS

Through September 30, 2001		
Milestone	Date	Lead
2. Final rulemaking package to Commission (199600157)	03/30/01	M. Haisfield, IMNS

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments: None.

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

~~R. Part 72 Rulemaking: Independent Storage of Spent Nuclear Fuel and High Level Radioactive Waste~~
~~2) Clarification and Addition of Flexibility~~

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

~~Susan Shankman, Deputy Director, Licensing and Inspection Directorate, Spent Fuel Project Office (SFPO)~~

~~Objective: Amend spent fuel storage regulations in 10 CFR Part 72 to specify those sections that apply to general licensees, specific licensees, applicants for a specific license, certificate holders and applicants for a certificate. The proposed rule would (1) eliminate ambiguity for those persons by clarifying which sections apply to their activities, (2) eliminate the necessity for repetitious Part 72 specific license hearing reviews of cask design issues that the Commission previously considered and resolved during approval of the cask design, and (3) allow an applicant for a COC to begin fabrication under an NRC-approved QA program before the COC is issued.~~

~~Coordination: OSTP, OE, OGC, NRR~~

~~Prior to February 28, 2001~~		
~~Milestone~~	~~Date~~	~~Lead~~
~~1. Paper to Commission (199600159) (SECY-00-0134)~~	~~6/23/00C~~	~~A. DiPalo, IMNS~~
~~2. Publish final rule in Federal Register~~	~~-~~ ~~8/21/00C~~ ~~Final rule published (Effective 9/20/00)~~	~~A. DiPalo, IMNS~~

~~Comments: None~~

This rule has been completed

VII. Topic Area: Materials and Waste Programs

S. Part 70 Rulemaking: Domestic Licensing of Special Nuclear Material

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

Project Manager: Thomas Cox, FCLB/FCSS

Objectives: ~~To issue final amendments to 10 CFR Part 70 and develop associated guidance documents.~~ 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, ~~as proposed in July 1999, would~~ identify appropriate consequence criteria and the level of protection needed to prevent or mitigate accidents that 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. ~~The rulemaking package submitted to the Commission will included a final rule and associated draft Standard Review Plan for fuel cycle facilities.~~

Coordination: The Part 70 ~~rulemaking effort~~ guidance development will involve close coordination with the ~~Office of the General Counsel (OGC). FCSS and OGC staff will continue to work closely in developing the draft final rulemaking package~~ 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.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Final rule and draft Standard Review Plan to Commission (199500041) (SECY-00-0111)	5/19/00C	A. Persinko, FCSS

Prior to February 28, 2001		
2. Develop guidance document regarding §70.62 ISA plans	1/18/01 ~~4 months after rule publication.~~	T. Cox, FCSS

Through September 30, 2001		
Milestone	Date	Lead
3. Develop guidance document regarding performing backfit analyses for fuel cycle facilities	9/18/01 ~~1 year after rule publication.~~	T Cox, FCSS
4. Develop guidance document regarding the §70.72 change process	9/18/01 ~~1 year after rule publication.~~	T Cox, FCSS
5. Develop guidance document regarding §70.74 reporting requirements.	9/18/01 ~~1 year after rule publication~~.	T Cox, FCSS

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

2, 3, 4, 5. Changes reflect 9/18/00 date that the rule was published.

VII. Topic Area: Materials and Waste Programs

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

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

Theodore Sherr, 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.

Prior February 28, 2001		
Milestone	Date	Lead
None		

Through September 30, 2001		
Milestone	Date	Lead
1. Send rulemaking plan to Commission for approval (199900118)	State Department request + 6 months	J. Telford, IMNS

Beyond September 30, 2001		
Milestone	Date	Lead
2. Send proposed rule to Commission for approval (199900118)	SRM + 6 months	J. Telford, IMNS

Comments:

1. The rulemaking plan was posted on the (Agreement State) web site on 2/8/00 for 45-day comment period. The Agreement State comment period ended on March 27, 2000. No comments on rulemaking plan were received. However, seven States provided information on the number of their licensees that will be impacted.

In a memorandum to the Commission dated June 5, 2000, the staff recommended putting this action on hold until the State Department provides the NRC with formal request that they are ready to submit the treaty for ratification or that they want the NRC to prepare the rulemaking package. The staff will then develop the rulemaking plan in accordance with direction from the Commission.

The basis for the recommendation to put this action on hold was provided in the memorandum. The State Department has informed the NRC that NRC will most likely be asked to accept an additional responsibility (Additional Protocol) involving the collection of certain information. The NRC does not currently have statutory authority to implement the new responsibility and legislation establishing NRC authority would be needed. The State Department does not expect to submit the Additional Protocol to the Senate for confirmation as a treaty (along with the implementing legislation) until after calendar year 2000. A specific target date has not yet been set.

VII. Topic Area: Materials and Waste Programs

U. MOX Licensing

SES Manager: Robert C. Pierson, Deputy Director, FCSS

Project Manager: Melanie Galloway, Section Chief, Enrichment Section, FCSS
Andrew Persinko, SPB/FCSS

Objective: To license the mixed-oxide (MOX) fuel fabrication facility. During FY 2000, NRC will prepare a licensing Standard Review Plan and conduct limited pre-licensing consultation and submittal reviews.

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.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Publish Standard Review Plan (SRP)	8/00C	M. Galloway, FCSS
2. Initiate review of application	12/00	A. Persinko, FCSS
3. Initiate NEPA review	12/00	J. Davis, DWM

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

This program depends on a number of factors outside of NRC control, including National policy, DOE funding, and Russian progress on dispositioning excess plutonium. NRC is working with the applicant to determine dates for the issuance of the draft Safety Evaluation Report, the Safety Evaluation Report, the Draft Environmental Impact Statement and the Final Environmental Impact Statement.

1& 2. Because staff has been informed that the submittal supporting construction approval for the MOX fuel fabrication facility will be delayed 3 months (9/00 to 12/00), staff determined that it would be appropriate to accordingly delay the SRP until 8/00 to allow stakeholder comments to be addressed fully and allow an opportunity for the final Part 70 rule to be issued to ensure appropriate consistency between the Part 70 and MOX SRPs.

VII. Topic Area: Materials and Waste Programs

V. Lessons Learned Concerning the Nuclear Criticality Accident at Tokaimura

SES Manager: Theodore S. Sherr, Chief, Safety and Safeguards Support Branch (FSSB), Division of Fuel Cycle Safety and Safeguards (FCSS)

Project Manager: William Troskoski, FSSB/FCSS

Objective: Analyze the Tokai nuclear criticality accident, to identify implications for NRC fuel cycle licensees and certificate-holders and determine whether any changes to NRC's regulatory program for fuel cycle facilities are needed. Disseminate lessons learned to NRC licensees, certificate-holders, and other stakeholders.

Coordination: This project is being coordinated between NMSS, Regions II, III, and IV, OIP, OGC, and OEDO. Coordination will also be done with DOE, DOS, EPA, and NSC. In addition, the results of an industry external review of operations, including nuclear criticality safety programs, led by NEI, will be reviewed prior to completing task.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Provide briefing to Senate staff concerning the accident	TBD	W. Troskoski FSSB
2. Notation Paper to Commission (SECY-00-0085) concerning lessons learned from DOE and Government of Japan review of the accident (199900119)	4/12/00C	W. Troskoski FSSB
3. Commission Briefing	5/8/00C	W. Troskoski FSSB

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

1. No date has been set by the Senate staff for the briefing ; however, a written report was provided to the Senate in June 2000.

VII. Topic Area: Materials and Waste Programs

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

SES Manager: Theodore S. Sherr, Chief, Safety and Safeguards Support Branch (FSSB), Division of Fuel Cycle Safety and Safeguards (FCSS)

Program Manager: ~~Walter Schwink, Section Chief~~, 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.

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.S., Part 70 Rulemaking, to ensure the revised oversight program will comport with emerging requirements, guidance, and policies pertaining to fuel cycle facilities.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Information Paper to Commission concerning the status of revising the oversight program (199900120)	11/27/00	~~W. Schwink~~, P. Castleman FCSS
2. Commission Briefing on Status of the Oversight Program Revision	12/20/00	P. Castleman, FCSS

Through September 30, 2001		
Milestone	Date	Lead
~~2.~~3. Information Paper to Commission concerning the pilot program results (199900120)	08/01	W. Schwink, FCSS

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

Based on stakeholder requests, a) the scope of work has been expanded to include revision of the entire oversight program (not including regulatory requirements) including the baseline inspection program; b) ~~monthly~~ workshops are planned to obtain public and other stakeholder views on revision of the oversight program; c) monthly public workshops ~~have been~~ were deferred during the summer of 2000; and d) implementation of the pilot program has been deferred.

1. Date changed to correspond to Commission Briefing scheduled for 12/20/00.

VII. Topic Area: Materials and Waste Programs

X. Threat Assessment Activities (Coordinated with Reactor Safeguards Initiatives, IV.L.

SES Manager: Theodore S. Sherr, 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.

Prior to February 28, 2001		
Milestone	Date	Lead
1. Memo to Commission: Restoration of NRC Funding For Interagency Credibility Assessment Team (199900136)	04/00C	R. Warren, FCSS
2. Paper to Commission: Semi-Annual Threat Environment (199900076)	9/5/00C	A. Danis, FCSS

Through September 30, 2001		
Milestone	Date	Lead
None		

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

Milestones may be event driven and other than anticipated.

VII. Topic Area: Materials and Waste Programs

Y. Paducah Enrichment Upgrade Amendment Review

SES Manager: Eric J. Leeds, Acting/Chief, Special Projects Branch (FSP), Division of Fuel Cycle Safety and Safeguards (FCSS)

Program Manager: Melanie A. Galloway, Special Project Branch, FSSB/FCSS

Objective: USEC intends to submit an amendment mid-October 2000 to increase its current enrichment limit from 2.75% to 5.5%. The staff has initiated its review of the safety basis of this change by reviewing completed criticality analyses that support the upgrade.

Coordination: Region III and SSSB

Prior to February 28, 2001		
Milestone	Date	Lead
1. Initiate scoping review	07/24/00C	L. Berg, FCSS
2. Initiate criticality analysis review	08/07/00C	L. Berg, FCSS
3. Initiate readiness review	10/01/00	P. Castleman, FCSS
4. Receive amendment from USEC	10/13/00	C. Tripp, FCSS
5. Complete licensing review	02/16/01	M. Galloway, FCSS

Through September 30, 2001		
Milestone	Date	Lead
6. Complete readiness review	03/01	P. Castleman FCSS

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

The schedule is very aggressive without margin and relies on the timeliness of staff reviews and USEC submittals and the quality of USEC submittals.

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

A. Use of Informal Adjudicatory Procedures

SES Manager: Joe Gray, OGC

Prior to February 28, 2001		
Milestone	Date	Lead
1. Commission decision on proposed rulemaking	TBD	OGC S. Treby
2. Publish proposed rules for comment	TBD plus 1 month	OGC S. Treby

Through September 30, 2001		
Milestone	Date	Lead
3. Submit Final rules to Commission	TBD plus 5 months	OGC S. Treby
4. Commission approves/affirms final rules	TBD plus 8 months	OGC S. Treby
5. Publish final rules in Federal Register	TBD plus 8 ½ months	OGC S. Treby
6. Final Rules effective	TBD plus 9 ½ months	OGC S. Treby

Beyond September 30, 2001		
Milestones	Date	Lead
None		

Comments: None

IX. Topic Area: State Programs

A. Agreement with the State of Pennsylvania

SES Managers: Frederick Combs, Deputy Director, Office of State 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 February 28, 2001		
Milestone	Date	Lead
None		

Through September 30, 2001		
Milestones	Date	Lead
1. Pennsylvania to file an application for an Agreement	1/01/01	S. Salomon, STP
2. Negative consent Commission Paper to Commission (199900121)	9/01/01	S. Salomon, STP

Beyond September 30, 2001		
Milestone	Date	Lead
3. Commission to give negative consent	10/01/01	
4. Final assessment after publication in FR	1/02/02	S. Salomon, STP
5. Commission SRM approving the Agreement	2/02/02	
6. Agreement effective	2/02/02	

Comments: None

IX. Topic Area: State Programs

B. Agreement with the State of Oklahoma

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

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

Prior to February 28, 2001		
Milestone	Date	Lead
1. Negative consent paper to Commission for publication (199900122)	5/15/00C	P. Larkins, STP
2. Publication for Public Review and Comment	6/7/00C 6/14/00C 6/21/00C 6/28/00C	P. Larkins, STP
3. Final draft assessment and publication of comments to Commission (199900122)	08/18/00C	P. Larkins, STP

Through September 30, 2001		
Milestone	Date	Lead
4. Commission SRM approving the Agreement	~~08/31/00~~ 08/24/00C	
5. Agreement signing	~~09/15/00~~ 09/22/00C	
6. Agreement effective date	09/29/00C	

Beyond September 30, 2001		
Milestone	Date	Lead
None		

Comments:

5. ~~Chairman signed Agreement on 8/30/00 and forwarded to the Governor of Oklahoma for signature.~~ Governor signed Agreement on 9/22/00.