January 24, 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 January 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.

Additions and changes to the January 2000 update are marked in redline and strikeout. Minor editorial changes have not been highlighted. Explanations for changes are provided in the associated remarks. This update also incorporates the revisions requested in your memorandum dated December 22, 1999, regarding license renewal, license transfers and power uprates.

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

1. Issued a safety evaluation on the CE Owner's Group Joint Applications Report for CSS technical specification allowed outage time extensions for eight sites;
2. Revised an enforcement guidance memorandum (EGM 99-006) to address reporting of historical performance indicator data for all reactors;
3. Issued a Commission paper on concurrent jurisdiction regarding uranium recovery concerns;
4. Transferred the license and assets to a trust for the Atlas bankruptcy and site reclamation;
5. Published advanced notice for proposed rulemaking in the Federal Register for Part 73 rulemaking on spent fuel shipment information protection requirements;
6. Published the final rule, announcement of draft guide and draft standard review plan section on the revised source term;
7. Forwarded to the Commission the reactor fire protection risk-informed, performance based rulemaking plan;
8. Issued the draft phenomena identification and ranking tables report for high burnup fuel behavior under reactivity insertion accidents;
9. Published the last performance indicator (PI) report using current PI's;
10. Revised NRR Office Letter 803 on the license amendment process to incorporate feedback including metrics for requests for additional information;
11. Issued the final rule for AP600 design certification; and

12. Held public meetings on various issues including reactor safeguards initiatives, the 2.206 process, the risk-informed baseline fuel cycle safety and safeguards inspection program, and the risk-informed scope of certain part 50 requirements (option 2).

Attachment: As stated

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

12. Held public meetings on various issues including reactor safeguards initiatives, the 2.206 process, the risk-informed baseline fuel cycle safety and safeguards inspection program, and the risk-informed scope of certain part 50 requirements (option 2).

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STAFF RESPONSE TO TASKING MEMORANDUM AND STAKEHOLDER CONCERNS

as of January 13, 2000

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

A. Evaluation of Industry Proposals

SES Managers: Gary Holahan, Director, DSSA/NRR, and Thomas King, Director, DST/RES

Objective: The objectives are enhancing safety decisions, efficiently utilizing NRC resources, reducing unnecessary conservatism, as well as soliciting industry insights.

Coordination: Tasks associated with conducting discussions with ACRS and milestones 2 and 3 require close coordination and integration by NRR and RES staffs. Responsible project managers are coordinating these activities with other ongoing activities and ensuring that the overall objectives for each project are achieved.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Issue safety evaluation on EPRI ISI topical report	10/28/99C	S. Ali, DE (NRR)

Through June 30, 2000		
Milestone	Date	Lead
2. Proposed Final Safety Goal Policy (199700262)	3/00	J. Murphy, RES

Beyond June 30, 2000		
Milestone	Date	Lead
3. Endorse ASME RI-ISI code cases via Regulatory Guide 1.147, contingent upon ASME completing code case by 6/00	3/01	D. Jackson, RES/ S. Ali, DE (NRR)

Comments:

~~1-3.(Previous milestone numbers)~~

~~Deleted ongoing milestones. Similar milestones may be included in future updates, as necessary, when significant meetings are scheduled.~~None

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

B. Plant-Specific Licensing Reviews

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 1, 2000		
Milestone	Date	Lead
1. Risk-Informed Licensing Panel (RILP) Meetings - assists in focusing management attention, as necessary, on risk-informed licensing actions.	Ongoing	G. Holahan, DSSA
2. Issue reliefs from augmented examination requirements for various licensees on BWR reactor pressure vessel circumferential welds.	(See comments) Ongoing	G. Carpenter, DE
3. SER to be issued on CE Owners Group Joint Applications Report for CSS system AOT extensions for 8 sites.	(See comments) ~~12/15/99~~ 12/22/99C	R. Goel, SPLB/ M. Wohl, SPSB
4. SER to be issued on CE Owners Group Joint Applications Report for HPSI system AOT extensions for 8 sites.	(See comments) 2/25/00	J. Cushing, DLPM/LPD4
5. SER to be issued on St. Lucie 1/2 application for LPSI system AOT relaxation.	1/30/00	M. Wohl, SPSB

Through June 30, 2000		
Milestones	Date	Lead
6. SER to be issued on Waterford 3 application for EDG AOT extension.	4/5/00	I. Jung, SPSB
7. SER to be issued on Waterford 3 application for CSS AOT relaxation.	5/15/00	M. Wohl, SPSB
8. SER to be issued on Waterford 3 application for LPSI system AOT relaxation.	5/30/00	M. Wohl, SPSB

Through June 30, 2000		
~~5~~9. SER to be issued on the South Texas Project request for multiple exemptions to exclude certain components from the scope of special treatment requirements in the regulations.	6/28/00 (see comment)	S. Lee, SPSB
10. SER to be issued on CE Owners Group Joint Applications Report for Containment Isolation Valve AOT Relaxation for 8 sites.	6/30/00	M. Wohl, SPSB

Beyond June 30, 2000		
Milestone	Date	Lead
None		

Comments:

~~1. The staff issued Generic Letter 98-05, dated November 11, 1998, which informed BWR licensees that the staff had completed its review of the "BWR Vessel and Internals Project, BWR Reactor Pressure Vessel Shell Weld Inspection Recommendations (BWRVIP-05)," and that BWR licensees may request relief from the inservice inspection requirements of 10 CFR 50.55a(g) for the volumetric examination of circumferential reactor pressure vessel (RPV) welds. These reliefs will only be effective for the remaining term of operation under the current license. The staff is continuing to expeditiously review these requests as they are received. The staff granted two reliefs associated with Spring of 1999 outages and is in the process of reviewing two requests which it expects to complete for Fall 1999 outages. Additional applications are expected for Spring 2000 outages.~~

2. As stated in Generic Letter 98-05, "Boiling Water Reactor Licensees Use of the BWRVIP-05 Report to Request Relief From Augmented Examination Requirements on Reactor Pressure Vessel Circumferential Shell Welds," dated November 10, 1998, " ... licensees of BWRs may request permanent (i.e., for the remaining term of operation under the existing, initial, license) relief from the inservice inspection requirements of 10 CFR 50.55a(g) for the volumetric examination of circumferential reactor pressure vessel (RPV) welds." To date, the staff has issued about twelve reliefs, and may issue approximately two dozen more, if the remaining licensees request this relief. The conclusion date reflects this expected additional work load.

~~2.~~3. The review finalization date for the CEOG Joint Applications Report on modifications of the CSS Technical Specifications has been changed from

10/10/99 to 12/22/99~~12/15/99~~ because of concerns with the sample TS submitted with the report and parallel industry efforts impacting a small portion of the review.

~~3.~~4. Previously, this item addressed an SRXB transmittal of its SER to LPD4. The change is to reflect LPD4 issuing the staff SER to the Owners Group. The staff's review identified unanticipated, complex issues that led to a significant, unplanned effort, and the vendor and owners groups have requested changes in the material to be reviewed. All parties agree that the most effective and efficient course of action is to extend the due date for completion of the review as opposed to withdrawing and resubmitting the amendment request.

~~4.~~9. This schedule is contingent upon (1) when South Texas Project responds to the RAI, and (2) whether there are complications associated with review of the information received.

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

C. Guidance Documents

SES Manager: Gary Holahan, Director, DSSA, NRR and Thomas King, Director, DST/RES

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 1, 2000		
Milestone	Date	Lead
~~1. Issue GQA inspection procedure for use at the discretion of the Regions to verify the implementation of GQA on an as-needed basis.~~	~~12/99 (see comments)~~	~~D. Dorman, DIPM~~

Through June 30, 2000		
Milestones	Date	Lead
~~2~~1. Issue a Regulatory Issue Summary (RIS) informing industry of NRC interim position on the use of risk information in license amendment reviews.	3/00 (see comment)	R. Palla, SPSB
~~3~~2. Develop a screening process to aid project managers and technical staff in determining which proposed licensing actions should be reviewed for risk significance.	3/00	I. Jung, SPSB
~~4~~3. Issue Proposed modifications to regulatory guidance documents for comment (e.g., Office Letter 803 and RG 1.174).	5/00 (see comment)	R. Palla, SPSB

Beyond June 30, 2000		
Milestone	Date	Lead
~~5~~4. Complete meetings with stakeholders, ACRS, and CRGR on proposed modifications to guidance documents.	9/00 (see comment)	R. Palla, SPSB
~~6~~5. Present to the Commission the proposed modifications to guidance documents. (19990064)	10/00 (see comment)	R. Palla, SPSB
~~7~~6. Issue modified guidance documents.	2/01 (see comment)	R. Palla, SPSB

Comments:

~~1. The staff met with the CRGR on June 22, 1999, and August 4, 1999, to discuss changes that had been made to the inspection procedure. This milestone is being reevaluated based on the current development of the revised oversight process. The need for a graded quality assurance inspection procedure is being evaluated given the development of supplemental procedures for diagnostic evaluation in the revised oversight process.~~

~~Previous milestones 2, 3, 4, and 5 have been deleted because they are a duplicate of I.E.~~

Previous Milestone 1 has been deleted based on a reevaluation of the need for a graded quality assurance inspection procedure. As documented in a December 8, 1999, memorandum from B. Boger to G. Holahan, the subject inspection procedure is not needed given the development of supplemental procedures for diagnostic evaluation in the revised reactor oversight process.

~~2~~1. This milestone is associated with the development of "Guidance for Applying Risk-Informed Decisionmaking in License Amendment Reviews" (SECY-99-246). The milestone and projected completion date is contingent upon receiving Commission approval to proceed with all aspects of the guidance development outlined in the SECY no later than ~~1/3/99~~January 2000, and subsequent approval to issue modified guidance documents.

~~4 - 7~~3 - 6. (~~Note 2 applies to~~The completion dates for these milestones is dependent on receiving an SRM related to SECY-99-246 in January 2000).

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

D.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 certain Part 50 regulations to be risk-informed, consistent with Option 2 of SECY-98-300 and its associated SRM dated June 8, 1999.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Informational briefing for CRGR on rulemaking plan	10/12/99C	T. Bergman, DRIP
2. Public meeting to discuss draft ANPR and draft rulemaking plan	10/13/99C	T. Bergman, DRIP
3. PRA Steering Committee briefing on rulemaking plan	10/13/99C	T. Bergman, DRIP
4. PRA Steering Committee/Industry counterpart meeting	10/19/99C	T. Bergman, DRIP
5. Submit paper and rulemaking plan to Commission - Option 2 (199900061) (SECY 99-256)	10/29/99C	T. Bergman, DRIP
6. Publish ANPR for public comment	SRM + 14 days (see comment)	M. Shuaibi, DSSA
7. Meet with stakeholders in Houston, Texas	12/6/99 C ~~(see comment)~~	T. Bergman, DRIP
8. Meet with stakeholders, Rockville, Maryland	12/14/99C ~~(see comment)~~	T. Reed, DRIP
9. Meet with stakeholders, Rockville, Maryland	1/26/00	T. Reed, DRIP
10. NEI submit implementing guidance document	2/29/00 (see comment)	T. Reed, DRIP
~~9~~11. Categorization pilot plants identified	1/27/00	J. Williams, DLPM

Through June 30, 2000		
Milestone	Date	Lead
~~10~~12. Public workshop on ANPR comments	4/00	T. Bergman, DRIP
~~11~~13. Complete review of public comments on ANPR	5/23/00	T. Bergman, DRIP

Beyond June 30, 2000		
Milestone	Date	Lead
~~12~~14. Public workshop on draft proposed rulemaking	7/00	T. Reed, DRIP
~~13~~15. Submit proposed rulemaking to Commission (199900061)	9/00	T. Reed, DRIP
~~14~~16. Categorization pilot program complete (issue exemptions)	7/01	J. Williams, DLPM
~~15~~17. Submit final rulemaking to Commission (199900061)	10/01	T. Bergman, DRIP
~~16~~18. Publish final rulemaking	3/02	T. Bergman, DRIP

Comments:

6, 11-18 ANPR cannot be issued for public comment until Commission approval is obtained. The rulemaking schedule assumed approval to issue the ANPR by mid-November 1999 with publication of the ANPR by mid-December 1999. Modifications to the RIP50 project schedules will be noted in a subsequent revision of the CTM after the SRM authorizing publication of the ANPR is issued.

~~7. Reflects scheduled meeting.~~

~~8. Reflects scheduled meeting.~~

9. Reflects scheduled meeting.

10. Date reflects NEI's best estimate date for submittal of the guidance document. This date is a direct function of the staff and NEI making progress on clarifying technical issues in the January to February 2000 timeframe.

~~9~~11. ~~Date reflects current schedule. On the basis of preliminary discussions with NEI, this date may need to be adjusted. The staff will explore industry interest in the pilot program at the 12/14/99 public meeting, and modify this task and ramifications on later milestones at the next update.~~

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

D.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 10CFR 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 1, 2000		
Milestone	Date	Lead
1. Propose staff plan for risk-informing technical requirements in 10CFR Part 50 - Option 3 (SECY 99-264) (199900062)	11/8/99 C	M. Cunningham PRAB/DRAA
2. Develop Web site	11/30/99C	M. Drouin , PRAB/DRAA
3. Complete trial analyses on potential revisions to 50.44 and special treatment requirements	1/00	M. Drouin, PRAB/DRAA

Through June 30, 2000		
Milestone	Date	Lead
4. Hold public workshop on trial application results	2/00	M. Drouin, PRAB/DRAA
5. Provide status report to Commission (199900062)	3/00	M. Drouin, PRAB/DRAA

Beyond June 30, 2000		
Milestone	Date	Lead
6. Identify preliminary set of proposed changes and recommendations	8/00	M. Drouin PRAB/DRAA
7. Hold public workshop on preliminary set of proposed changes and recommendations	9/00	M. Drouin, PRAB/DRAA
8. Final report to Commission (199900062)	12/00	M. Drouin, PRAB/DRAA

Comments: None

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

E. 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 1, 2000		
Milestone	Date	Lead
1. Phase 1 PRA standard comments received.	5/1/99C See comment #1	M. Drouin, RES
2. Draft fire PRA standard issued by NFPA	1/00	N. Siu, RES

Through June 30, 2000		
Milestone	Date	Lead
3. Final Phase 1 PRA standard issued by ASME	6/00	M. Drouin, RES
4. Draft Phase 2 PRA standard issued for comment by ANS seismic 6/00; LPSD 9/00. Phase 2 PRA standard comments received and final draft developed. seimic 9/00; LPSD 12/00	See comment #4 ~~9/00~~	M. Drouin, RES
5. Final Phase 2 PRA standard issued by ANS: SEISMIC LPSD ~~ASME~~	12/00 6/01 ~~See comment #5~~	M. Drouin, RES

Beyond June 30, 2000		
Milestone	Date	Lead
6. Final fire PRA standard issued by NFPA	3/01	N. Siu, RES

Comments:

1. The final draft is captured in milestone 3.

2. NFPA is the National Fire Protection Association. The title of the standard is "Performance-Based Standard for Fire Protection for Light Water Reactor Electrical Generating Plants."

3. Phase 1 is a PRA standard for full power operation (Internal events only) which is an ASME initiative and, therefore, the schedules are set by ASME. The schedule for completion of Phase 1 has been revised based on the large number of diverse comments received from the public and must be addressed. ASME is currently deciding how to resolve these public comments that require policy decisions to be made by the ASME consensus (Risk Management) committee. A June 2000 date is needed by the staff to support risk-informed regulatory activities (e.g. Part 50). The staff is concerned that ASME may not meet this schedule and may not adequately address the staffs comments in the updated standard.

4. ~~Phase 2 of the PRA standard covers internal fire, external events and low power shutdown (LPSD). ANS will be developing a standard for LPSD conditions and external events (i.e., seismic). ANS has initiated work and is currently developing a plan with anticipation of issuing a schedule for completion of LPSD and seismic by 10/99.~~
   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.

5. ~~ANS is producing two standards; a PRA standard for external events - seismic (scheduled for 12/00) and a PRA standard for low power and shutdown (scheduled for 6/01).~~

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

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

SES Managers: Michael Mayfield, Branch Chief, MEB/DET/RES, Mark Cunningham, Branch Chief, PRAB/DRAA/RES, and Farouk Eltawila, Branch Chief, SMSAB/DSARE/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 1, 2000		
Milestone	Date	Lead
1. Conduct public meetings and workshops to identify and resolve open questions on analysis procedures and inputs in PFM, TH and PRA areas	4/20/99C	S. Malik, D. Bessette, R. Woods R., RES
2. Present to ACRS an introductory plan on PTS re-evaluation project	7/14/99C	M. Mayfield, F. Eltawila, M. Cunningham M., RES

Through June 30, 2000		
Milestone	Date	Lead
3. Conduct public workshops to identify and resolve open questions on analysis procedures and inputs in PFM, TH and PRA areas	5/1/00	S. Malik, D. Bessette, R. Woods R., RES
4. Present to ACRS on the methodology to perform PTS risk analysis	3/00	S. Malik, D. Bessette, R. Woods, N. Siu, RES

Beyond June 30, 2000		
Milestone	Date	Lead

Beyond June 30, 2000		
5. Present to ACRS the revised PTS risk acceptance criterion	3/00	N. Siu, R. Woods, M. Cunningham, PRAB/RES
6. Develop ~~Present to the Commission the~~ revised PTS risk acceptance criterion (199900115)	5/15/00	N. Siu, R. Woods, M. Cunningham, PRAB/RES
7. Present to ACRS the PTS risk analysis of the selected PWR plants	9/00	S. Malik, D. Bessette, R. Woods, RES
8. Develop Integrated PTS risk estimate for a generic PWR plant	10/01	N. Siu, R. Woods, S. Malik, D. Bessette, RES
9. Present to ACRS the technical basis for proposed changes in 10 CFR 50.61 PTS screening criterion	12/01	S. Malik, D. Bessette, R. Woods, N. Siu, RES

Comments:

Previous milestone number 4 was deleted since it was a duplicate of milestone 3.

II. Topic Area: Reactor Inspection and Enforcement

A. Risk Informed Baseline Inspection Program

SES Manager: William M. Dean, PIPB/DIPM/NRR
Program Manager: Alan L. Madison, 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.K "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 1, 2000		
Milestone	Date	Lead
1. Begin drafting program changes and start conducting training of staff	2/99C	A. Madison, DIPM
2.a. Begin pilot implementation of new baseline inspection program	5/30/99C	W. Dean, DIPM
2.b. Monitor pilot implementation of new baseline inspection program and review results	12/99 C (see comment)	A. Madison, DIPM
3a. Complete pilot implementation of new baseline inspection program	12/99 C (see comment)	A. Madison, DIPM
3b. Conduct Lessons Learned Public Workshop	1/00	W. Dean, DIPM

Through June 30, 2000		
Milestone	Date	Lead
4. Issue Commission paper and brief Commission on the Revised Reactor Oversight Process results of the pilot program and staff recommendation for Initial Implementation (199900070)	2/00	W. Dean, DIPM
5. ~~Complete initial transition to~~ Commence initial implementation of the risk informed baseline inspection program at all operating sites	4/00 (see comment)	W. Dean, DIPM

Beyond June 30, 2000		
Milestone	Date	Lead
6. Complete evaluation of implementation and effectiveness of the first year of implementation of the risk informed baseline inspection program	6/01	C. Holden, DIPM

Comments:

2.b&5. The staff is implementing the pilot baseline inspection program through December 1999. 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.

3a. The staff will continue to implement the baseline inspection program at the nine pilot plants through initial implementation at all operating sites in April 2000.

Deferrals and Suspensions:

The SALP process suspension will be continued ~~indefinitely~~ through the start of initial implementation. With Commission approval, the SALP program will be formally discontinued beyond April 2000.

II. TOPIC AREA: Reactor Inspection and Enforcement

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

B. Specific Issue: Enforcement Program Initiatives

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

Prior to February 1, 2000		
Milestone	Date	Lead
Publish revised enforcement policy that addresses elimination of "regulatory significance."	10/26/99C	R. Pedersen
Assemble the collective views of the staff and stakeholders to determine whether the Revised Enforcement Policy has accomplished the objectives, or whether further staff action is needed. (199800159) (OE)	11/24/99C	B. Westreich
Revise EGM 99-006 to address reporting of historical PI data for all reactors.	~~(12/17/99)~~ (12/20/99C)	B. Westreich

Through June 30, 2000		
Milestone	Date	Lead
Develop Enforcement Policy for the new reactor oversight process.	3/00	B. Westreich
Publish Revised Enforcement Policy incorporating Reactor Oversight changes.	4/00	R. Pedersen
Develop 10 CFR 50.59 Enforcement Guidance (related to IV.B.)	5/00	T. Reis
Revise Enforcement Manual to incorporate Reactor Oversight Program changes.	6/1/00	R. Pedersen

Beyond June 30, 2000		
Milestone	Date	Lead
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, PIPB/DIPM/NRR

Program Manager: Alan L. Madison, PIPB/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.K. "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 1, 2000		
Milestone	Date	Lead
1. Obtain Commission approval for pilot program implementation of recommended changes	6/99 C	W. Dean, DIPM
2. Complete development of implementation plan. Start phase-in (pilot) of the revised reactor oversight process.	6/99 C	A. Madison, DIPM
3. Continue pilot implementation of new reactor oversight process	7/99 -12/99 C (see comment)	A. Madison, DIPM
4. Conduct Lessons Learned Public Workshop	1/00	W. Dean, DIPM

Through June 30, 2000		
Milestone	Date	Lead
5. Complete NRC training and licensee workshop on new reactor oversight process in preparation for full implementation	11/99 - 3/00	A. Madison, DIPM
6. Issue Commission paper and brief Commission on the Revised Reactor Oversight Process results of the pilot program and staff recommendation for initial implementation (199900070)	2/00	W. Dean, DIPM
7. Commence initial implementation of new reactor oversight process at all operating sites	4/00	W. Dean, DIPM
8. Final Senior Management Meeting to assess plant performance	5/00	W. Dean, DIPM

Beyond June 30, 2000		
Milestone	Date	Lead
9. First Agency Action Review Meeting to discuss agency response for plant performance assessment inputs	5/01	W. Dean, DIPM
10. Complete evaluation of implementation and effectiveness of the first year of implementation of the revised assessment process	6/01	M. Johnson, DIPM

Comments:

3. The staff will continue with implementation of the revised reactor oversight process at the nine pilot plants through initial implementation at all operating sites in April 2000.

Deferrals and Suspensions: The SALP process suspension will be continued ~~indefinitely~~ through the start of initial implementation. With Commission approval, the SALP program will be formally discontinued beyond April 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~~s~~ (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 1, 2000		
Milestone	Date	Lead
1. Begin trial application of risk-based performance indicators (RBPI)	11/99C	T. Wolf, DRAA/RES
2. Publish last performance indicator report using current performance indicators	1/00C	M. Harper, ~~T. Wolf,~~ DRAA/RES

Through June 30, 2000		
Milestone	Date	Lead
3. ~~Complete trial application, brief Commission, and publish candidate risk-based indicators for public comment (9800160)(RES)~~ Issue RBPI program overview white paper for stakeholder comment	~~2/00~~ 02/00	~~T. Wolf~~ H. Hamzehee, DRAA/RES
4. ~~Hold public workshop on candidate risk-based performance indicators~~ Brief ACRS on RBPI program overview white paper	~~2/00~~ 04/00	~~T. Wolf~~ H. Hamzehee, DRAA/RES

Beyond June 30, 2000		
Milestone	Date	Lead
5. Brief commission on ~~proposed~~ risk-based performance indicators (RBPI) ~~developed cooperatively by NRC and industry~~ program overview white paper (199800161~~1~~0) (RES)	~~10/00~~ 06/00	~~T. Wolf~~ H. Hamzehee, DRAA/RES
6. ~~Implement Commission approved risk-based performance indicators developed cooperatively by NRC and industry~~ Issue Phase 1 RBPI development progress report for stakeholder comment	~~1/01~~ 07/00	~~T. Wolf~~, H. Hamzehee, DRAA/RES ~~M. Johnson, DIPM~~
7. Brief ACRS on Phase 1 RBPI development progress	10/00	H. Hamzehee, DRAA/RES
8. Brief Commission on Phase 1 RBPI development progress (199800161) (RES)	12/00	H. Hamzehee, DRAA/RES
9. Issue Phase 2 RBPI progress report for stakeholder comment	03/01	H. Hamzehee, DRAA/RES
10. Brief ACRS on Phase 2 RBPI development progress	06/01	H. Hamzehee, DRAA/RES
11. Brief Commission on Phase 2 RBPI development progress (19980161) (RES)	08/01	H. Hamzehee, DRAA/RES

Comments:

3,4,5,6,7,8,9,10,11: The milestones and schedule for the risk-based performance indicators has been revised ~~are being reevaluated~~ to reflect:

- Complete technical analyses that are more challenging than originally anticipated
- Provide greater opportunity for internal and external stakeholder participation in RBPI development than originally planned
- ~~Produce a plan for implementation based on~~ Provide additional time to incorporate lessons learned from the current reactor oversight pilot programs and the initial industry-wide experience with the implementation of the new reactor oversight program

The program overview white paper summarizes what RBPIs are, what benefits they bring to the reactor oversight process and what the development of RPBIs entails.

The Phase 1 development effort includes risk-based performance indicators for component-, train- or system-level reliability, containment, fire events, and shutdown. Phase 1 indicators will also include industry trends. The Phase 2 indicators include plant-specific availability indicators and an integrated indicator which will combine the PI results and the inspection findings in a coherent way to determine their overall impact on risk significant performance.

The revised milestone schedule is based on the availability of expert personnel from SCIENTECH. SCIENTECH is presently planning to transfer all assets involved in the performance of seven NRC projects to another firm. The RPBI development project is one of these contracts. Consummation of this transaction may result in a delay in meeting the milestones.

3. A public meeting on the RBPI white paper will be held approximately 30 days after release for public comment.

6. A public meeting on the Phase 1 RBPI report will be held approximately 60 days after release for public comment.

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 1, 2000		
Milestone	Date	Lead
1. Publish final rule change 10 CFR 50.59 (199700191)	10/04/99C	E. McKenna, DRIP
2. NEI provides draft revision of NEI 96-07 for staff review and comment	9/17/99C	E. McKenna, DRIP
3. NEI submits revised NEI 96-07 for NRC endorsement	12/~~15~~20 99C	E. McKenna, DRIP

Prior to June 30, 2000		
Milestone	Date	Lead
4. Commission briefing	~~1~~3 /00 (see comment)	E. McKenna, DRIP
5 ACRS Briefing on NEI guidance and draft RG	2/03/00 (see comment)	E. McKenna, DRIP
6. Draft Regulatory Guide issued for public comment	2/00 (see comment)	E. McKenna, DRIP
7. ACRS and CRGR review of final guidance and RG	5/00	E. McKenna, DRIP
8. Final Regulatory Guide sent to Commission for approval (199700191)	5/30/00	E. McKenna, DRIP
9. Issue final inspection guidance	Milestone 8 + 1 month ~~5/00 (see comment)~~	E. McKenna, DRIP

Beyond June 30, 2000		
Milestone	Date	Lead
10. Conduct training for NRC staff on rule and inspection guidance	Milestone 9 ~~5/00~~ Through 10/00	E. McKenna, DRIP
11. Publish FR notice with approval of regulatory guidance to establish effective date of rule	(see comment)	E.McKenna, DRIP
12. Revisions to 10 CFR 50.59 become effective	90 days after milestone 11	E. McKenna, DRIP

Comments:

3. Actual date of receipt of NEI guidance is now included. The revised guidance contains new text on several topics that will require staff evaluation. If endorsed, the NEI document could affect guidance for the maintenance rule and the draft fire protection regulatory guide. In view of these new issues needing resolution, the staff is assessing what changes might be necessary for the overall schedule for completion of this RG

4. ~~New milestone added for Commission briefing.~~ Currently planned for the week of February 28, but exact date has not been determined as yet. Briefing was delayed to allow the staff sufficient time to evaluate the latest NEI guidance.

5-6. Milestones changed to reflect a February ACRS meeting. The ACRS is expected to benefit from a review of NEI 96-07 which was not ~~expected~~ available before the December meeting. No January ACRS meeting is being held, thus, the new date is February.

10 ~~9~~. Training will be conducted as close to finalization of guidance as possible, to be completed prior to the effective date of the rule.

11. Publication date will depend upon Commission action on the final regulatory guide due to the Commission on May 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 1, 2000		
Milestone	Date	Lead
1. Resolve final staff comments and develop draft regulatory guide	9/99 C	S. Magruder, DRIP
2. NEI resubmits revised guidance for review and endorsement	10/28/99 C	S. Magruder, DRIP
3. ACRS review of SECY and draft regulatory guide	11/99 C	S. Magruder, DRIP

Through June 30, 2000		
Milestone	Date	Lead
4. Submit paper with draft regulatory guide to Commission (199800044) (NRR)	~~12/99~~ 3/00	S. Magruder, DRIP
5. SRM to direct staff to publish draft regulatory guide for public comment (60 days)	~~1/00~~ 4/00	S. Magruder, DRIP

Beyond June 30, 2000		
Milestone	Date	Lead
6. Resolve issues identified during public comment period	~~5/00~~ 8/00	S. Magruder, DRIP
7. ACRS and CRGR review of paper and final regulatory guide	~~6/00~~ 9/00	S. Magruder, DRIP
8. Submit paper and final regulatory guide (199800044) (NRR)	~~7/00~~ 10/00	S. Magruder, DRIP
9. SRM to direct staff to publish final regulatory guide	~~8/00~~ 11/00	S. Magurder, DRIP

10. Issue final regulatory guide	~~9/00~~ 12/00	S. Magruder, DRIP

Comments:

4-10 The staff's intention was to endorse an industry guidance document developed by the Nuclear Energy Institute (NEI) with the draft regulatory guide. The staff has met several times with the industry over the last several months and has resolved many significant issues related to the guidance document. NEI submitted Appendix B to NEI 97-04 for NRC endorsement in a letter dated November 17, 1999. ~~The staff is working to resolve comments from OGC. A schedule extension to December 14, 1999, was requested. Subsequent milestone dates have been changed to reflect this one month delay.~~ In addition, the CRGR has accepted the staff's request to defer formal CRGR review until the final regulatory guide is ready to be published. The staff had reached technical agreement with the industry and has written a draft regulatory guide endorsing the NEI guidance. The ACRS recommended that the draft regulatory guide be published for public comment. However, the Office of the General Counsel has identified a significant legal concern with the NEI guidance. As a result of this concern, the staff cannot propose issuance of the current draft regulatory guide endorsing the industry guidance in its present form. The schedule shown above has been revised with a three month delay but assumes that the staff will ultimately endorse industry guidance with a 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 1, 2000		
Milestone	Date	Lead
3. Issue iSTS Amendment for Fermi 2	9/30/99C	J. Foster, DRIP
4. Issue iSTS Amendment for Palisades	11/30/99C	C. Harbuck, DRIP
5. Issue iSTS Amendments for Farley 1&2	11/30/99C	C. Schulten, DRIP

Through June 30, 2000		
Milestone	Date	Lead
4. Issue iSTS Amendment for NMP-2	2/00	R. Tjader, DRIP
5. Issue iSTS Amendment for IP-3	RAI + 6 mos	M. Weston, DRIP

Beyond June 30, 2000		
Milestone	Date	Lead
6. Issue iSTS Amendment for FitzPatrick	9/00	T. Le, DRIP

Comments:

5. Due to licensee management and staff changes, the licensee is currently reevaluating their ability to support the previously agreed upon schedule. Current best estimate for completion is

6 months after licensee's response to requests for additional information (RAIs). RAIs were sent to licensee in June 99.

IV. Topic Area: Reactor Licensing and Oversight

D. Requests for Additional Information

SES Manager: Suzanne Black, Deputy Director, DLPM, NRR

Objective: To refine/define RAI process and ensure that staff RAI's are adding value to the regulatory process.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Discuss issue of ensuring appropriateness of RAI's with management and staff (including content, quality and continued oversight). Conduct training on revised Office Letter 803 when issued.	8/20/98C 1/5/99C 1/6/99C 1/14/99C	Suzanne Black, DLPM
2. NRR licensing action steering group formed to work with industry steering group on improvements to the license amendment process - conducting periodic meetings.	10/98C 11/23/98C 12/10/98C 1/13/99C 3/18/99C 4/14/99C 7/27/99C 9/29/99C 12/1/99C 2/00	Suzanne Black, DLPM
3. Obtain feedback from industry licensing action task force on RAIs	7/99C and 9/99C	S. Black, DLPM
5. Revise Office Letter 803 to incorporate staff and industry feedback including metrics for RAIs.	12/99C	S. Black, DLPM

Through June 30, 2000		
Milestones	Date	Lead
None		

Beyond June 30, 2000		
Milestone	Date	Lead

None		

Comments:

Previous milestone 4 was deleted as an ongoing activity. When significant training sessions are needed milestones may be added in the future.

IV. Topic Area: Reactor Licensing and Oversight

E. 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 timeliness of staff response to petitions.

Prior to February 1, 2000		
Milestone	Date	Lead
1. FR Publication of the July 1, 1999 Revision of Managmement Directive 8.11	10/7/99C	S.Black/H.Berkow/ A. Kugler
2. Public Meeting with 2.206 Stakeholder's Task Group	12/15/99C	S.Black/H.Berkow/ A. Kugler
3. FR Comment Period Ends	01/31/00	S.Black/H.Berkow/ A. Kugler

Through June 30, 2000		
Milestone	Date	Lead
4. Public Meeting to discuss Comments in response to FR Notice	2/10/00	S. Black/H.Berkow/ A. Kugler
5. Submit Commission Paper outlining the proposed significant changes to MD 8.11 (199900113)	4/28/00 (see comment)	S. Black/H.Berkow/ A. Kugler
6. Commission Briefing on Process Improvements and specific comments from Stakeholders (M991216A) (199900113)	6/15/00	S. Black/H.Berkow/ A. Kugler

Through June 30, 2000		
7. Issue Revision to MD 8.11(199900113)	6/30/00	S. Black/H.Berkow/ A. Kugler

Beyond June 30, 2000		
Milestone	Date	Lead
None		

Comments:

5. Schedule will be revised as necessary based on the complexity and number of comments received on the FR Notice at milestone 3.

7. Staff will consider publishing a draft revision for public comment if there are substantive changes not raised in the first comment period (milestone 3) or not discussed in the public meeting (milestone 4).

IV. Topic Area: Reactor Licensing and Oversight

F. 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 1, 2000		
Milestone	Date	Lead
1. CRGR Annual Report - Includes Program Office Feedback and the Committee's Self Assessment on Value Added by CRGR Review (RES) 199700390	11/9/99C	CRGR J. Lyons

Through June 30, 2000		
Milestones	Date	Lead
2. RES Backfit Audit Issued	6/00	CRGR J. Lyons, NRR J. Rosenthal, RES

Beyond June 30, 2000		
Milestone	Date	Lead
3. Backfit training at Headquarters and Regions	8/00	RES/NRR/HR J. Lyons

Comments:

2. Backfit Audit Report will be submitted for external peer review to obtain industry feedback in lieu of CRGR/NUBARG meeting.
3. Training will occur two months after Milestone 2.

IV. Topic Area: Reactor Licensing and Oversight

G. AP600 Design Certification Rulemaking

SES Manager: Chris Grimes, ~~Director~~ Branch Chief, RLSB/DRIP/NRR

Objective: Issue final design approval and design certification rule for AP600 (9200142).

Prior to February 1, 2000		
Milestone	Date	Lead
1. Initiate concurrence process for rulemaking package	10/08/99C	J.N. Wilson, DRIP
2. ACRS full committee meeting	11/05/99C	J.N. Wilson, DRIP
3. Issue final rule (NRR) (199200142)	12/16/99C	J.N. Wilson, DRIP

Comments:

4. This milestone includes submission of the final rulemaking package to ACRS for its review and staff initiation of the concurrence process for the final rule.

5. ACRS letter was issued on November 12, 1999.

6. SECY-99-268, "FINAL RULE—AP600 DESIGN CERTIFICATION," was issued on November 16, 1999. The Secretary of the Commission signed the *FR* notice for the final design certification rule on December 16, 1999.

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

H. 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 obtain stakeholder input into the staff's regulatory development activities.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Conduct a workshop with NEI and public stakeholders regarding the staff's preliminary assessment of the risks from spent fuel pools at decommissioning reactors	7/16/99C	R. Dudley, PDIV-3

Through June 30, 2000		
Milestone	Date	Lead
2. Technical staff to finalize decommissioning spent fuel pool ~~risk criteria~~ draft study and risk objectives that can be used for decommissioning regulatory decision making	~~3/31/00~~ 5/30/00 See comment	G. Hubbard, SPLB/DSSA
3. 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 (such as fitness-for-duty) (199900072)	~~5/31/00~~ 6/30/00 See comment	B. Huffman, PDIV-3

Beyond June 30, 2000		
Milestone	Date	Lead
4. Submit a rulemaking plan for consolidating decommissioning regulations into a separate dedicated location with Title 10 of the Code of Federal Regulations (contingent on Commission approval of SECY-99-168) (199900133)	~~8/31/00~~ 7/15/00 See comment	B. Huffman, PDIV-3

Comments:

~~1. A Commission meeting was held on November 8, 1999, to provide the Commission the current status of progress being made toward the resolution of various technical and programmatic issues. The meeting included a presentation by the NRC staff and participation by a panel of public and industry representatives who discussed their respective views on the issues with the Commission. A draft of the final report will be issued in early January for public comment.~~

2, 3, 4 The revised dates shown above for items 2 and 3 were mutually agreed upon during discussions between the staff and Commission offices subsequent to the issuance of SRM 99-168 on 12/21/99. They supercede the SRM dates for these two items. The revised date for item 4 is the date specified in the SRM and it was not changed during the staff discussions with the Commission offices. The SRM also provided for the issuance of a spent fuel pool draft study and risk objectives by 1/15/00. This action was included in the discussions with the Commission offices and a revised date of 2/11/00 was agreed upon.

IV. Topic Area: Reactor Licensing and Oversight

I. 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," II.C, "Escalated Enforcement Program," III.A, "Performance Assessment Process Improvements," III. B. Risk-based Performance Indicator Development", and IV.K., "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 1, 2000		
Milestone	Date	Lead
1. Publish Proposed Rule (10 CFR 50.72 and 50.73)	7/6/99 C	D. Allison, DRIP
2. Conduct a public workshop	8/3/99 C	D. Allison, DRIP

Through June 30, 2000		
Milestone	Date	Lead
3~~1~~. Brief CRGR	2/4/00	D. Allison, DRIP
4~~2~~. Brief ACRS	2/11/00	D. Allison, DRIP
5~~3~~. Final rule to Commission (199800096) (NRR)	3/10/00	D. Allison, DRIP
6~~4~~. Publish final rule	6/23/00	D. Allison, DRIP

Comments:
1&2. Added last completed milestones to provide context.

IV. Topic Area: Reactor Licensing and Oversight

J. 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 1, 2000		
Milestone	Date	Lead
1. Brief CRGR and ACRS	12/99 C (see comments)	M. Jamgochian, DRIP
2. Forward Final KI Rule Package to EDO (NRR) (199800173)	1/25/00 ~~12/15/99~~ (see comments)	M. Jamgochian, DRIP
3. Revise KI technical paper (NUREG-1633) to address public comments and provide to Commission (199700193) (IRO)	3/00 ~~12/99~~	Frank Congel ~~A. Mohseni~~, IRO
4. Develop final KI Federal policy FRN reflecting FRPCC review and send to Commission (199700193) (IRO)	3/00 ~~12/99~~	Frank Congel ~~A. Mohseni~~, IRO
5. Final brochure on use of KI provided to Commission for review (199700193) (IRO)	4/00 ~~1/00~~	Frank Congel ~~A. Mohseni~~, IRO
6. Publish Final Rule (199800173) (NRR)	2/29/00 ~~1/31/00~~ (see comments)	M. Jamgochian, DRIP

Through June 30, 2000		
7. Publish KI Federal Policy FRN	5/00 ~~2/00~~	Frank Congel ~~A. Mohseni~~, IRO
8. Publish final technical paper (NUREG-1633)	6/00 ~~3/00~~	Frank Congel ~~A. Mohseni~~, IRO

9. Finalize the public brochure on use of KI and provide to FEMA for publication	7/00 ~~4/00~~	Frank Congel A. Mohseni, IRO
10. Establish procedures to access Federal stockpiles with FEMA	5/00 (see comments)	Frank Congel ~~A. Mohseni~~, IRO

Comments:

~~1,2,&6. The public comment period for the rule ended 9/13/99; the staff requires three months to evaluate comments, revise the rulemaking package, and obtain concurrence before forwarding the final rulemaking package to the EDO. An extremely large number of comments were received on the last days of the comment period. In order to allow the staff to develop a coordinated response, the CRGR and ACRS briefings were deferred until December.~~

1. CRGR and ACRS declined the opportunity to be briefed on the KI rulemaking package in December.

2&6. An extension was granted for the EDO due date until January 25.

3,4 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. ~~According to FDA, a draft revised FDA guidance may be issued by late November 1999.~~ The FDA draft revised position is now expected to be issued by end of February 2000. The NRC draft guidance will be submitted to the Commission shortly after the FDA's draft revised position is issued. The final revised guidance may be out by June 2000. ~~As a result this date may slip further.~~

4&7. As explained in comment 2 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, current best estimate is ~~2/00~~ 3/00. With regards to regional stockpiling of KI, the NRC staff met with FEMA staff and CDC on August 4, 1999, to begin negotiations to achieve convergence between the agencies on the attributes of a revised Federal KI Policy. A second meeting was conducted on August 26, 1999, to continue negotiations. A third meeting to achieve convergence was held on September 23, 1999. The Deputy EDO was briefed on October 25 and the EDO on November 1, 1999. The Commissioner TAs were briefed on December 20, 1999. The impact of various activities on each other were discussed. The staff is preparing a memo to the Commission describing the status of the KI activities, ~~requesting approval to publish for comment the revised NUREG 1633,~~ and seeking approval to pursue potential option with FEMA. The issue is to ensure that the key Federal agencies agree

on the revision of the Federal policy on KI in a timely manner. Key Federal agencies are NRC, FEMA, FDA, CDC, and to some extent EPA.

5&9. The development of the public brochure is tied to the completion of the NUREG.

8. The NUREG will be finalized after public comment.

10. Based on the Commission SRM dated April 22, 1999, the staff is directed to work with FEMA to establish and maintain regional KI stockpiles to be used in the event of a severe nuclear power plant accident. This is a new initiative and will have to be negotiated with FEMA. Best estimate is 5/00, subject to future revision. (See 4,7 above).

IV. Topic Area: Reactor Licensing and Oversight

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

SES Manager: Jon Johnson, Associate Director for Inspection and Programs , 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 1, 2000		
Milestone	Date	Lead
1. Publication of a Federal Register Notice to accept in part the NEI petition for rulemaking and proposing a Direct Final Rule (199800166) (NRR) (SECY 98-279)	02/99C	R. Gramm, DRCH
2. Direct Final Rule effective	04/26/99C	D. Dorman, DIPM
3. Coordinate a workshop with NEI to discuss implementation aspects of Direct Final Rule	6/21/99C	D. Dorman, DIPM

Through June 30, 2000		
Milestones	Date	Lead
None		

Beyond June 30, 2000		
Milestones		Lead
4. Issue Voluntary Option rule for public comment via Federal Register Notice	12/00	D. Dorman, DIPM
5. Evaluate public comments on Voluntary Option Rule and prepare Final Rule (199900004)	12/01	D. Dorman, DIPM
6. Issue Voluntary Option Rule in Federal Register Notice	2/02	D. Dorman, DIPM
7. Hold a workshop to discuss implementation aspects of Voluntary Option Rule	3/02	D. Dorman, DIPM

Comments:

1&2 The Direct Final Rule was published on 2/23/99 and became effective on 4/26/99 based on a determination that no significant adverse comment was received by 3/25/99. Six comment letters were received. NEI and two licensees provided favorable comments on the Direct Final Rule. Other letters (from a licensee and members of the public) requested clarification of certain provisions of the rule. The staff determined that none of the comments constituted significant adverse comments, therefore the Direct Final Rule became effective 4/26/99.

QA plan change control, and 50.54(a), was a topic of a panel discussion during the Regulatory Information Conference.

4-7 SECY-98-279 stated that the 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. NRR staff will coordinate the RIP-50 rulemaking with final resolution of the NEI petition. The schedule reflects that coordination.

The revised target dates for the voluntary rule differ from the due dates for WITS Item 199900004. ~~NRR is preparing a~~ A memorandum to address the changes in the proposed action and related schedule impacts under WITS 199900004 is in concurrence in NRR.

IV. Topic Area: Reactor Licensing and Oversight

L. Revised Source Term Rulemaking and Guidance Development

SES Manager(s): Gary Holahan, Director, DSSA/NRR

Objective: To revise Part 50 to allow holders of operating power reactor licensees to voluntarily amend the facility design basis to use revised source terms in design basis accident radiological analyses. This action would allow these facilities to pursue risk-informed licensing actions made possible through the use of the revised source term.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Final rule; draft guide; draft SRP to EDO (199700025) (NRR)	9/8/99C	R. Barrett,DSSA
2. Final rule; draft guide; draft SRP to Commission (SECY 99-240)	10/5/99C	R. Barrett,DSSA
3. Publish final rule, announcement of draft guide and draft SRP section	~~12/15/99~~ 12/23/99C	R. Barrett,DSSA

Through June 30, 2000		
Milestone	Date	Lead
4. Public comment period on guide/SRP ends	3/7/00	R. Barrett,DSSA
5. Resolve public comments	4/28/00	R. Barrett,DSSA
6. Prepare final guide, final SRP, FR notice	4/28/00	R. Barrett,DSSA
7. SPSB Review	5/5/00	R. Barrett,DSSA
8. NRR Branches & Divisions / RES /OGC	6/2/00	R. Barrett,DSSA
9. ACRS Review	6/2/00	R. Barrett,DSSA
10. CRGR Review	6/30/00	R. Barrett,DSSA

Beyond June 30, 2000		
Milestone	Date	Lead

11. Forward to RES for publishing via DSSA memo	7/6/00	R. Barrett,DSSA
12. Due to EDO as Commission Information paper (199700025)	7/14/00	R. Barrett DSSA

Comments:

3. Commission issued SRM on 12/9/99. Published in FR on 12/23/99.

12. Added by SRM.

3-11 Milestones adjusted for consistency with milestones 3 and 12.

IV. Topic Area: Reactor Licensing and Oversight

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

SES Manager: Jon Johnson, Associate Director for Inspection and Programs , 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 120 days after issuance of the associated regulatory guidance.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Publish proposed rule	9/30/98 C	R. Correia, DIPM
2. Publish final rule	7/19/99 C	R. Correia, DIPM
3. Conduct public meetings with NEI regarding revised Section 11 of NUMARC 93-01	5/28/99 C 6/17/99 C 7/9/99 C 9/13/99 C 10/25/99 C	W. Scott, DIPM
4. ACRS Briefing on draft regulatory guide	7/14/99 C 11/4/99 C	W. Scott, DIPM
5. CRGR Briefing on draft regulatory guide	8/4/99 C	W. Scott, DIPM
6. Commission Meeting	11/10/99 C	W. Scott, DIPM
7. Provide Commission with draft regulatory guide (199800032)	12/2/99 C	W. Scott, DIPM

Through June 30, 2000		
Milestones	Date	Lead
8. ACRS Briefing on final regulatory guide	3/2/00	W. Scott, DIPM
9. CRGR Briefing on final regulatory guide	3/14/00	W. Scott, DIPM
10. Provide Commission with final regulatory guide for review and approval (199800032)	3/28/00	W. Scott, DIPM

Beyond June 30, 2000		
Milestones	Date	Lead
None		

Comments:

3. In accordance with the May 13, 1999, SRM, staff is working in a collaborative fashion with stakeholders to produce a final regulatory guide for Commission approval. Section 11 of NUMARC 93-01, "Industry Guideline for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants," deals with the assessment of risk resulting from performance of maintenance activities.

7. The staff has developed Draft Regulatory Guide DG-1082, which endorses Final Draft Section 11 of NUMARC 93-01 without regulatory exception. DG-1082, along with the revised Section 11, are being made available for public comment until January 10, 2000.

IV. Topic Area: Reactor Licensing and Oversight

N. 120-Month Update Requirement for Inservice Inspection and Inservice Testing Programs in 10 CFR 50.55a (Codes and Standards)

SES Manager(s): Gene Imbro, Branch Chief, DE, NRR

Objective: To determine whether the current regulatory requirement for licensees to update their inservice inspection and inservice testing programs every 120 months to a recent edition and addenda of the ASME Code incorporated by reference in the regulations should be modified in light of public comments received on proposed rule published in April 1999.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Issue proposed rule supplement on 120-month ISI/IST update requirement	4/27/99C	T. Scarbrough, NRR
2. Conduct public workshop on 120-month ISI/IST update requirement	5/27/99C	T. Scarbrough, NRR
3. Public comment period ends on 120-month ISI/IST update requirement	6/28/99C	T. Scarbrough, NRR
4. Brief ACRS on public comments received on 120-month ISI/IST update requirement	~~12/4/99~~ 12/2/99C	T. Scarbrough, NRR
5. Prepare Commission paper providing options and recommendations on ISI/IST update requirement (199900074)	1/10/00	T. Scarbrough, NRR

Through June 30, 2000		
Milestone	Date	Lead
6. Prepare draft final rule package in accordance with Commission direction	2/28/00	T. Scarbrough, NRR
7. Obtain NRC office concurrences on draft final rule package	3/30/00	T. Scarbrough, NRR
8. Brief ACRS on draft final rule package	4/30/00	T. Scarbrough, NRR
9. Brief CRGR on draft final rule package	5/30/00	T. Scarbrough, NRR

10. Obtain EDO approval of final rule (199900074)	6/30/00	T. Scarbrough, NRR

Beyond June 30, 2000		
Milestone	Date	Lead
11. Obtain Commission approval of final rule	7/15/00	T. Scarbrough, NRR
12. Publish final rule	7/30/00	T. Scarbrough, NRR

Comments: None

IV. Topic Area: Reactor Licensing and Oversight

O. 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 1, 2000		
Milestone	Date	Lead
1. Submit rulemaking plan to the Commission. (199900032)	~~12/31/99~~ 1/14/00C	E. Connell, SPLB

Through June 30, 2000		
Milestone	Date	Lead
None		

Beyond June 30, 2000		
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
6. Resolve public comments	11/31/01	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:

It is anticipated that NFPA will issue NFPA 805 for public comment on January 21, 2000; that NFPA will resolve public comments on the proposed industry standard and revise the standard by June 16, 2000; 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.

IV. Topic Area: Reactor Licensing and Oversight

P. Steam Generator Tube Integrity Industry Initiative

SES Manager: William H. Bateman, Branch Chief, DE, NRR

Objective: To revise the existing steam generator regulatory framework (including technical specification requirements) to facilitate implementation of industry initiative NEI 97-06 via endorsement by the NRC. These revisions will provide added assurance that licensees will maintain steam generator tube integrity, while providing added flexibility to licensees to achieve this objective in a cost-effective manner.

Prior to February 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Issue staff plan to the Commission for implementing industry initiative, NEI 97-06. (199400048)	2/29/00	J. Andersen, DE

Beyond June 30, 2000		
Milestone	Date	Lead
None		

Comments: Implementation of the industry guidelines contained in NEI 97-06 will include changes to licensee technical specifications. The staff's plan for review and endorsement of NEI 97-06 is under development and will be included in a future (2/29/00T) SECY paper. Additional milestones will be established consistent with the staff's plan and any Commission comments on it.

IV. Topic Area: Reactor Licensing and Oversight

Q. Reactor Safeguards Initiatives

SES Manager: Jon Johnson, Associate Director for Inspection and Programs , NRR

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.S, "Reactor Safeguards Initiatives," and VI.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 1, 2000		
Milestone	Date	Lead
1. Issue recommendations of the Safeguards Performance Assessment Task Force (SECY-99-024)	1/22/99 C	R. Rosano, DIPM
2. Conduct Commission briefing for SECY-99-024	5/5/99 C	R. Rosano, DIPM
3. Complete rulemaking plan for development of an exercise rule and review of 10 CFR 73.55 and associated security regulations (SECY-99-241)	10/5/99 C	R. Rosano, DIPM
4a. Conduct public meetings with industry groups and other stakeholders	12/2/99 C 12/22/99 C 1/19/00	R. Rosano, DIPM

Through June 30, 2000		
Milestones	Date	Lead
4b. Conduct public meetings with industry groups and other stakeholders	2/00 4/00	R. Rosano, DIPM

Beyond June 30, 2000		
Milestones		Lead
5. ACRS Briefing	3/01	R. Rosano, DIPM
6. CRGR Briefing	4/01	R. Rosano, DIPM
7. Proposed rule to Commission (199800188)	5/01	R. Rosano, DIPM
8. Proposed rule published in the *Federal Register* with a 75-day comment period	11/01	R. Rosano, DIPM
9. Resolution of public comments	3/02	R. Rosano, DIPM
10. Final rule to EDO (199800188)	5/02	R. Rosano, DIPM
11. Final rule to Commission	7/02	R. Rosano, DIPM
12. Publication of rule	11/02	R. Rosano, DIPM

Comments:

4-12. The SRM for SECY-99-241 was issued on November 22, 1999 and approved Option 3 of the rulemaking plan.

IV. Topic Area: Reactor Licensee Performance Assessment

R. 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 February 1, 2000		
Milestone	Date	Lead
1. Develop a program plan	1/21/00 ~~12/30/99~~	F. Eltawila, DSARE

Through June 30, 2000		
Milestone	Date	Lead
2. Hold a public meeting to identify phenomena affecting MOX fuel behavior under reactivity insertion accidents (RIA), and LOCA	04/00	D.Persinko,NMSS R. Caruso, NRR R. Lee, RES
3. Issue Phenomena Identification and Ranking Tables (PIRT) report summarizing the expert elicitation to identify, and importance rank phenomena affecting MOX fuel behavior under reactivity insertion accidents (RIA) and LOCA	05/00	R. Lee, DSARE
4. Meet with the ACRS subcommittee to discuss PIRT results and proposed research plan	06/00	R. Lee, DSARE

Beyond June 30, 2000		
Milestone	Date	Lead
5. Issue a PIRT report on Applicability of NUREG-1465 Source Term to MOX fuels	12/00	R. Lee, DSARE

Comments:
1. Continued discussion with NRR took longer than estimated.

6. Meet with the ACRS subcommittee to discuss PIRT results and proposed research plan to address source term issues	01/01	R. Lee, DSARE
7. Complete Agreements with Belgonucleaire, Belgium, Institute de Protection et de Surte Nuclleire (IPSN), France, and Japan Atopic Energy Research Institute (JAERI), Japan to obtain data on MOX fuel	01/01	R. Lee, DSARE
8. This activity is long-term with an anticipated completion date (e.g., SRP, Regulatory Guide) in 2005	06/05	F. Eltawila, DSARE

Comments:

1. Additional time needed for review and comment. Request for extension approved by Blaha 11/19/99.
8. This date will be updated as activities commence and progress is made.

IV. Topic Area: Reactor Licensing and Oversight

S. 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 1, 2000		
Milestone	Date	Lead
1. Develop a program plan	7/6/98C	R. Meyer, DSARE
2 Issue draft Phenomena Identification and Ranking Tables (PIRT) report summarizing the expert elicitation to identify, and importance rank phenomena affecting high burnup fuel behavior under reactivity insertion accidents (RIA)	12/01/99C ~~12/99~~	R. Meyer, DSARE
3. Meet with the ACRS subcommittee to discuss RIA PIRT results and proposed research plans	03/00 ~~01/00~~	R. Meyer, DSARE

Through June 30, 2000		
Milestone	Date	Lead
4. Hold a public meeting to identify phenomena affecting high burnup fuel behavior under reactivity insertion accidents (RIA), and LOCA	04/00	R. Caruso, NRR R. Meyer, RES
5. 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	04/00	R. Meyer, DSARE
6. Establish a baseline of technical knowledge in collaboration with EPRI, DOE, and foreign sources	6/00	R. Meyer, DSARE

Comments: 2. Draft Report is on NRC website: WWW.NRC.GOV/RES/PIRT
3. Per discussion with ACRS

Beyond June 30, 2000		
Milestone	Date	Lead
7. Identification and Ranking Tables (PIRT) reports summarizing the expert elicitation to identify, and important rank phenomena affecting high burnup fuel behavior under LOCA conditions	09/00	R. Meyer, DSARE
8. Meet with the ACRS subcommittee to discuss LOCA PIRT results and proposed research plans	10/00	R. Meyer, DSARE
9. Issue draft Phenomena Identification and Ranking Tables (PIRT) report summarizing the expert elicitation to identify, important rank phenomena affecting high burnup fuel behavior under BWR stability	06/01	R. Meyer, DSARE
10. Meet with the ACRS subcommittee to discuss BWR stability PIRT results and proposed research plans	07/01	R. Meyer, DSARE
11. Issue a PIRT report on Applicability of NUREG-1465 Source Term to high burnup fuel fuels	03/01	R. Meyer, DSARE
12. Meet with the ACRS subcommittee to discuss PIRT results and proposed research plan to address source term issues	04/01	R. Meyer, DSARE
13. Complete LOCA Oxidation tests for Zircaloy-2	09/01	H. Scott, DSARE
14. Complete 2 RIA tests at the Cabri (sodium loop) reactor	12/01	R. Meyer, DSARE
15. 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, DSARE

Comments:

1. This date will be updated as activities commence and progress is made.

IV. Topic Area: Reactor Licensing and Oversight

T. Power Uprates

SES Manager: Suzanne Black, Deputy Director, Division of Licensing Project Management

Richard Wessman, Deputy Director, Division of Engineering
Gary Holahan, Director, Division of Systems Safety and Analysis

Objective: Review licensee applications for increased reactor power levels and provide improvements in licensing requirements which will permit efficiency in granting power uprate requests by revising 10 CFR 50, Appendix K to permit small increases in reactor power level based on improved flow rate measurement. This rule revision will reduce the number of exemptions needed to grant certain power uprate requests.

.

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. Two utilities have expressed interest in pursuing extended uprate in the near future. For the period of 1990-1999, 31 units received power uprates, totaling about 1370 MWe. For the 1% power increase, Comanche Peak, Unit 2 received the staff's approval in 1999 which increased the Unit's electrical output by about 10 MWe. While no other licensee requests have been received so far, it is expected that many licensees will apply for the 1% power increase upon the NRC's issuance of the Revision to Appendix K.

The staff has already approved Caldon's "Leading Edge" Flow Meter associated with Comanche Peak's Appendix K exemption request. Currently, the staff is reviewing ABB's "Cross Flow" flow meter topical report. While the initial target completion date for the staff review was March 20, 2000, the staff is reevaluating this target date in light of substantial revisions to the topical report recently submitted by ABB (additional changes to the topical report based on previous staff questions are being worked by ABB). The staff will renegotiate a target completion date with ABB.

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

Prior to February 1, 2000		
Milestone	Date	Lead
1. Negotiate Revised Target Completion Date for the ABB "Cross Flow" Meter Topical Report	2/1/00	I. Ahmed, DE

Through June 30, 2000		
Milestone	Date	Lead
2. Issue Final Rule change revising 10 CFR 50, Appendix K	4/30/00	J. Donoghue, DSSA

Comments:
None

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 1, 2000		
Milestone	Date	Lead
1. Issue Supplemental SER and Final Environmental Impact Statement - Calvert Cliffs	11/16/99C See comments	C. Grimes, DRIP C. Carpenter, DRIP
2. ACRS subcommittee meeting on Calvert Cliffs Supplemental SER	11/18/99C	C. Grimes, DRIP
3. ACRS full committee meeting on Calvert Cliffs Supplemental SER	12/2/99C	C. Grimes, DRIP
4. Receive Arkansas Nuclear One, Unit 1, license renewal application	1/31/00	C. Grimes, DRIP C. Carpenter, RLSB

Through June 30, 2000		
Milestone	Date	Lead
5~~4~~. Issue Supplemental SER and Final Environmental Impact Statement - Oconee	2/12/00 See comments	C. Grimes, DRIP C. Carpenter, DRIP
6~~5~~. ACRS subcommittee meeting on Oconee Supplemental SER	2/24/00 ~~3/00~~	C. Grimes, DRIP
7. Receive Hatch, Units 1 and 2, license renewal application	2/29/00	C. Grimes, DRIP C. Carpenter, RLSB
8~~6~~. License renewal Commission decision complete for Calvert Cliffs (24 months from receipt of application -- no hearing required)	4/00 See Comments	C. Grimes, DRIP

Through June 30, 2000		
Milestone	Date	Lead
9~~7~~. ACRS full committee meeting on Oconee Supplemental SER	3/00 ~~5/00~~	C. Grimes, DRIP

Beyond June 30, 2000		
Milestone	Date	Lead
10~~8~~. License renewal Commission decision complete for Oconee (24 months from receipt of application -- no hearing required)	7/00 ~~8/00~~	C. Grimes, DRIP
11~~9~~. 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)	8/00	C. Grimes, DRIP
12~~10~~. Commission briefing on GALL report , SRP, and RG/NEI 95-10 public comments (199900103)	1/01	C. Grimes, DRIP
13~~11~~. Submit final GALL report and SRP to the Commission for approval (199900056)	4/01	C. Grimes, DRIP
14~~12~~. Provide recommendations to the Commission regarding potential rulemaking (199900104)	8/01	C. Grimes, DRIP

Comments:

~~1-5,14,&15. (Previous milestone numbers)~~
~~Per OEDO direction, deleted "ongoing" milestones and one milestone (15) not currently applicable.~~

1. The staff issued the final supplemental environmental impact statement to the Environmental Protection Agency on October 5, 1999. No concerns were raised by a Federal agency and on November 15, 1999, the environmental review was considered complete. The supplemental SER was issued on Nov. 16, 1999.

4 & 7. Added milestones for anticipated receipt of ANO-1 and Hatch license renewal applications.

5. The staff issued the final supplemental environmental impact statement to the Environmental Protection Agency on December 9, 1999. Unless concerns are

raised by a Federal agency by January 21, 2000, the environmental review is considered complete.

6, 9, & 10.
The changes in schedule reflect the revised completion schedule described to Duke in a December 9, 1999, management meeting in anticipation of the successful resolution of the remaining open items.

8~~6~~. 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 Nov. 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~~3~~, 1999, the court vacated its earlier judgement and accompanying majority opinion. The court has scheduled oral arguments to be heard on January 26, 2000. The staff is proceeding with the review of the Calvert Cliffs application in accordance with the established schedule. ~~and stated that a rehearing will be scheduled.~~ However, a~~A~~n adverse court decision could impact the schedule.

~~9-12. Added milestones, consistent with WITS commitments, for development of license renewal implementation guidance documents and rulemaking recommendations.~~

VI. Topic Area: License Transfers

A. License Transfers and Guidance

SLS: Robert Wood, Licensee Financial Policy Advisor, RGEB/DRIP/NRR
SES Manager: Cynthia Carpenter, Branch Chief, RGEB/DRIP/NRR
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 1, 2000		
Milestone	Date	Lead
1. Issue final SRP on foreign ownership	9/28/99C	S. Hom, OGC R. Wood, DRIP
2. Develop SRP on technical qualifications	11/29/99 C	J. Bongarra, DIPM
3. Develop integrated SRP on license transfer process reflecting lessons learned and process improvements (199800195)	12/99 C	R. Wood, DRIP S. Hom, OGC
4. Complete the orders and conforming amendments for the direct license transfer for Nine Mile Point 1/2 resulting from the sale of NMPC and NYSEG interest in the facilities to AmerGen.	See comment 4	E. Adensam, PDI
5. Complete the orders and conforming amendments for the direct license transfers for Hope Creek, Peach Bottom 2/3, and Salem 1/2 resulting from the corporate restructuring of PSE&G to PSEG Nuclear.	1/30/2000	E. Adensam, PDI

Through June 30, 2000		
Milestone	Date	Lead

Through June 30, 2000		
6. Complete the order for the indirect transfer for Millstone 3 resulting from the acquisition of Central Maine Power Company's interest by New England Electric System.	2/15/2000	E. Adensam, PDI
7. Complete the orders and conforming amendments for the direct license transfers for Haddam Neck, Millstone 3, Maine Yankee, Seabrook, Vermont Yankee, and Yankee Rowe, resulting from the acquisition of Montaup Electric Company's interest by New England Power Company.	2/25/2000	E. Adensam, PDI
8. 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 NCE.	2/28/2000	S. Bajwa, PDIII
9. Complete the orders for the indirect license transfer for Quad Cities 1/2 resulting from changes in the share-holder ownership of MidAmerican Energy Company.	3/15/2000	S. Bajwa, PDIII
10. Complete the order and conforming amendment for the direct license transfer for Oyster Creek resulting from the sale to AmerGen.	3/31/2000	E. Adensam, PDI
11. 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.	4/1/2000	S. Bajwa, PDIII
12. 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.	5/6/2000	E. Adensam, PDI
13. 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.	6/30/2000	E. Adensam, PDI
14. 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.	6/30/2000	S. Bajwa, PDIII

Comments:

3. SRP ~~will integrate~~ integrates all license transfer review criteria (financial qualifications, decommissioning funding assurance, technical qualifications, foreign ownership, and antitrust) by providing cross-references to other SRPs. This SRP was approved by D/DRIP on December 30, 1999 and is being published as a separate NUREG.

4. Rochester Gas and Electric (RG&E) has made a counter offer that may moot the AmerGen transfer. With the licensee's consideration of the counter offer by RG&E, completion of the AmerGen sale is likely to be delayed with a resultant delay in the issuance of the conforming amendment. Licensee had requested approval by 01/15/2000.

7. An order and conforming amendment will only be required for Millstone 3. The other facilities did not meet the threshold requiring NRC approval or in the case of Seabrook, a previous license transfer has mooted the need for approval under this license transfer.

9. This is a unique transaction because it's the first time we must decide whether 10 CFR 50.80 applies to individual shareholders.

10. A petition for intervention and request for hearing has been filed and may result in a delay in completion of this action. Changes in AmerGen will necessitate additional information from the licensee.

14. This is a complex review involving a new entity acquiring 19 units and the schedule for completion is difficult to determine at this time.

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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)

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: 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 April 2000.

Prior to February 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Staff completes rulemaking; issues CoC for use under Part 72	04/00	P. Eng, SFPO P. Holahan, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
2. Staff issues Part 71 SER and CoC	10/00	D. Tiktinsky, SFPO

Comments: Transnuclear notified SFPO on October 28, 1999, that its response to our Request for Additional Information (RAI) would not be submitted until January 2000. The staff has adjusted the review schedule to account for the delayed RAI response.

VII. Topic Area: Materials and Waste Programs

A. Dual Purpose Spent Fuel Cask Reviews
2) BNFL Fuel Solutions (BFS) TranStor Cask Review

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

Project Manager: Timothy Kobetz, 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 BFS dual purpose cask system.

Coordination: The Part 72 (storage) SER and certificate of compliance have not yet been issued in draft for rulemaking. Once they are issued, SFPO will coordinate with OGC and IMNS to complete rulemaking and issue the certificate of compliance.

Prior to February 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Staff issues Part 72 (storage) SER	3/00	T. Kobetz, SFPO
2. Staff issues Part 71 (transportation) SER	3/00	T. Kobetz, SFPO

Beyond June 30, 2000		
Milestone	Date	Lead
None		

Comments:

1-2. On numerous occasions since June 1999, BFS has revised its commitment schedules to supply information required by the staff to complete ~~their~~ NRC review of the TranStor Storage and Shipping Cask applications. In each

instance, BFS has failed to meet those schedules. Due to increasing case work, and scheduling of high priority work, SFPO must ~~bring~~ complete its review of the TranStor applications ~~to closure~~ to permit those staff resources to ~~be reassigned~~ ~~to~~ review other scheduled case work. Without receiving the additional information that BFS ~~has~~ committed to supply, the staff cannot reach a regulatory conclusion concerning the adequacy of the cask design. The staff intends to complete ~~will prepare SERs documenting~~ their review of both applications identifying those areas where the staff can reach a regulatory conclusion~~s~~ and those areas which remain ~~are~~ open and require additional information. ~~Subsequently, the SERs will not contain~~ Presently, the staff does not have sufficient information to support issuing a Certificate of Compliance for either application. The staff met with BFS several times and plans to meet again on January 11, 2000, to review with the applicant the staff's intended course of action based on the applicant's performance to date.

VII. Topic Area: Materials and Waste Programs

A. Dual Purpose Spent Fuel Cask Reviews
3) BNFL Fuel Solutions WESFLEX Cask Review

SES Manager: Susan F. Shankman, Deputy Director, Licensing and Inspection Directorate, SFPO

Project Manager: Mary Jane Ross-Lee

Objective: To issue a Part 72 (storage) SER and certificate of compliance (through rulemaking). A future amendment to the TranStor shipping cask (currently under licensing review) may allow transportation of the Wesflex cask in the TranStor shipping cask.

Coordination: The Part 72 (storage) SER and certificate of compliance have not yet been issued in draft for rulemaking. Once they are issued, SFPO will coordinate with OGC and IMNS to complete rulemaking and issue the certificate of compliance.

Prior to February 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Staff issues draft SER and CoC for rulemaking	03/00	M. Ross-Lee, SFPO

Beyond June 30, 2000		
Milestone	Date	Lead
2. Staff completes rulemaking; issues CoC for use under Part 72	02/01	P. Eng, SFPO P. Holahan, IMNS

Comments:

On March 22, 1999, BNFL completed the purchase of the commercial nuclear power business of Westinghouse Electric Company. As a result, BFS will combine with

Westinghouse Spent Nuclear Fuel Programs to form a single company that will oversee the design and licensing of the TranStor and Wesflex dual purpose cask applications.

The staff has identified concerns with BFS' design control of the TranStor dual purpose cask. To date, these problems have not manifested themselves in the Wesflex application and, therefore, the Wesflex review remains on schedule. BFS has decided not to pursue a shipping cask application for the Wesflex design. Instead, BFS plans to amend the TranStor ~~S~~shipping cask application to also transport the Wesflex storage cask. (See comment for Item V.A.2 regarding the TranStor cask review).

VII. Topic Area: Materials and Waste Programs

A. Dual Purpose Spent Fuel Cask Reviews
4) NAC-STC/MPC Cask Review

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

Project Manager: Timothy McGinty, 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 NAC-STC/MPC 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 February 2000.

Prior to February 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Staff completes rulemaking; issue CoC for use under Part 72	02/00	P. Eng, SFPO P. Holahan, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
None		

Comments: Note that the Part 71 (transportation) CoC for this dual purpose cask was issued on 3/25/99.

VII. Topic Area: Materials and Waste Programs

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

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

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 1, 2000		
Milestone	Date	Lead
1. Staff issues draft storage SER and CoC for rulemaking	11/1/99C	T. McGinty, SFPO

Through June 30, 2000		
Milestone	Date	Lead
None		

Beyond June 30, 2000		
Milestone	Date	Lead
2. Staff completes rulemaking; issues CoC for use under Part 72	10/00	P. Eng, SFPO P. Holahan, IMNS

Comments: On July 16, 1999, NAC submitted an amendment request for the Part 72 application to include all fuel to be stored at Maine Yankee. At the request of NAC, the staff has deferred review of the NAC-UMS transportation application. This will allow the staff to focus resources on the ~~recently submitted~~ amendment request and support the decommissioning schedule for Maine Yankee.

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 1, 2000		
Milestone	Date	Lead
1. Staff issues site SER	11/30/99C	Delligatti, SFPO

Through June 30, 2000		
Milestone	Date	Lead
2. Issue Draft EIS	3/00	Delligatti/ Flanders, SFPO
3. Staff issues supplement to SER	4/00	Delligatti, SFPO
4. Begin ASLB Hearing on Safety Contentions	6/00	Bullwark, ASLB, Turk, OGC

Beyond June 30, 2000		
Milestone	Date	Lead
5. Issue Final Safety Evaluation Report	9/00	Delligatti/ Bailey, SFPO
6. Issue Final EIS	2/01	Delligatti/ Flanders, SFPO
7. Hearing on Environmental Contentions	4/01	Bullwark, ASLB, Turk, OGC
8. Final Decision on Licensing	8/01	Commission

Comments:

1. Site SER was completed on November 30, 1999; however, ~~issuance of the SER will be delayed until~~ SER was actually issued on December 15, 1999, in order to incorporate minor changes to the financial qualifications review and to ensure consistency with staff positions taken with regard to contentions before the Atomic Safety and Licensing Board.

3. The date for issuing the supplement to the SER was modified due to delays by the applicant to provide seismic and airplane accident data required to complete the evaluation.

7. The ASLB hearing on Environmental Contentions, which is scheduled for 4/01, may be delayed to allow more time for review between the final EIS and the hearing.

8. The final decision on licensing will follow a decision from the hearing on environmental contentions.

VII. Topic Area: Materials and Waste Programs

C. Generic Spent Fuel Transportation Studies
1) **Update of NUREG 0170**
2) **Update of NUREG/CR-4829**

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, OPA, OCA, and OSP, and externally with the U.S. Department of Transportation to ensure that all technical, regulatory and stakeholder issues are considered and addressed.

Staff ~~plans to have~~ conducted a series of public meetings in November-December 1999 and plans to hold more through mid-FY 2000 to obtain public stakeholder views on Package Performance Under Severe Accidents.

Prior to February 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Publish reassessment of NUREG-0170 (NUREG/CR-XXX)	3/00	J. Cook, SFPO
2. Publish Phase I report on results of public meetings and contractor reviews	6/00	R. Lewis, SFPO

Beyond June 30, 2000		
Milestone	Date	Lead
3. After NRC review and assessment of public comments on NUREG/CR-XXX and Phase I report, NMSS determines if additional actions are required	12/00	S. Shankman, SFPO

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
Wayne Hodges, Deputy Director for Technical Review, SFPO

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 1, 2000		
Milestone	Date	Lead
1. Develop short-term regulatory process on review and acceptance of burnup credit package design	08/99C	C. Nilsen, DSARE

Through June 30, 2000		
Milestone	Date	Lead
2. Establish a baseline of technical knowledge in collaboration with EPRI, DOE, and foreign sources	03/00	C. Nilsen, DSARE
3. Hold a public meeting to identify phenomena affecting burnup credit	04/00	NMSS/RES
4. Issue Phenomena Identification and Ranking Tables (PIRT) report summarizing the expert elicitation to identify, and rank important phenomena affecting burnup credit	06/00	C. Nilsen, DSARE
5. Complete Agreements with Belgonucleaire, Belgium, Institute de Protection et du Surte Nucleaire (IPSN), France, and Japan Atomic Energy Research Institute (JAERI), Japan to obtain data on burnup credit	06/00	C. Nilsen, DSARE

Beyond June 30, 2000		
Milestone	Date	Lead
6. Meet with the ACRS subcommittee to discuss PIRT results and proposed research plans to address source term issues	08/00	C. Nilsen, DSARE
7. 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	C. Nilsen, DSARE
8. Issue a Standard Review Plant 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
9. This activity is long-term with an anticipated completion date (e.g., SRP, Regulatory Guide) in 2004	06/04	F. Eltawila, DSARE

Comments:

4. This date will be updated as activities commence and progress is made.

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, Branch Chief, MEB/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.

Through June 30, 2000		
Milestone	Date	Lead
1. Complete visual inspections of the exterior and interior of the Castor-V/21 cask, cask seals, fuel tubes, fuel assemblies, and selected Surry nuclear power plant fuel rods placed into dry storage in 1985	02/00	M. Mayfield, DET
2. Complete scoping study on the effects of zinc vapor on the mechanical properties of fuel cladding, assess the need for additional research	02/00	M. Mayfield, DET

Beyond June 30, 2000		
Milestone	Date	Lead
3. Perform destructive and nondestructive examinations on the Surry fuel; compare results from the Surry fuel examinations to segments from controlled environment to determine if there are any differences between the condition of the two cladding	03/02	F. Eltawila, DSARE
4. Meet with the ACRS/ACNW subcommittee to discuss results and proposed research plan	03/02	F. Eltawila, DSARE
5. Develop technical bases for evaluating the high-burnup nuclide inventories and associated source terms to be used for the cask license renewal.	9/03	F. Eltawila, DSARE
6. Provide data and reports (NUREG/CRs) that can be used to update the Standard Review Plan for Dry Cask Storage Systems (NUREG-1536) and to develop a Standard Review Plan for Renewal of Licenses and Certificates of Compliance for Spent Fuel Dry Cask Storage System	9/03	M. Mayfield, DET F. Eltawila, DSARE

Comments: None

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): Thomas Essig, Chief, Uranium Recovery and Low-Level Waste Branch, Division of Waste Management (DWM)

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 1, 2000		
Milestone	Date	Lead
1. Paper on concurrent jurisdiction to Commission (199900085) (SECY 99-277)	12/02/99(C) ~~12/07/99~~	Mike Fliegel, DWM
2. Provide EPA comments on commission papers to Commission	01/19/00(C)	Jim Kennedy, DWM

Through June 30, 2000		
Milestone	Date	Lead
3. Respond to EPA comments w/ copy to Commission (200000011)	02/15/00	Jim Kennedy, DWM
4. Complete Part 41 rulemaking plan, including recommendations on regulatory changes to address the three issues (199800177) (SECY-99-012)	4 months after Comm. Direction	Mark Haisfield, DWM Mike Fliegel, DWM
5. Issue revised draft guidance on disposal capability with any Commission-approved revisions (SECY-99-012)	6 months after Comm. Direction	Dan Gillen, DWM

Through June 30, 2000		
6. Implement any changes in review of alternate feedstock that result from hearing and Commission review of previous hearing orders (SECY-99-13)	6 months after Comm. Direction	Dan Gillen, DWM
7. Revise ISL Standard Review Plan to implement staff recommendations if approved by Commission	6 months after Comm. Direction	Bill Ford, DWM

Beyond June 30, 2000		
Milestone	Date	Lead
8. Publish proposed Part 41 for public comment, including regulatory changes to address three issues (199800177) (SECY-99-011)	12 months after completion of the rulemaking plan	Mark Haisfield, DWM Mike Fliegel, DWM
9. Publish final Part 41 codifying agency policy on resolution of three issues (199800177)	11 months after publication of the proposed rule	Mark Haisfield, DWM Mike Fliegel, DWM

Comments: The three issues raised in the Senate report were addressed in the National Mining Association white paper that was presented to the Commission in April 1998.

VII. Topic Area: Materials and Waste Programs

E. Part 40: Licensing of Source Material

SES Manager: Donald Cool, Director, 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: OSP, OGC, OE, ADM, CIO. RES is developing technical basis for exemptions in Parts 30 and 40.

Interaction with States, EPA, etc. will begin following Commission directives in the SRM ~~in January, 2000~~. The proposed rule on transfers from licensees will be sent to the Agreement States 3 months after the SRM is received. The draft rule plan on control of distribution will be sent to the Agreement States 9 months after the SRM is received.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Commission paper (SECY 99-259) (199800203)	11/1/99C	C. Mattsen, IMNS

Through June 30, 2000		
Milestone	Date	Lead
2. Proposed rule (on transfers from licensees) to Commission	SRM in response to Milestone 1+ 6 months	J. Smith, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
3. 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.)	~~12/00~~ 12/01	C.Mattsen, IMNS
4. Rule plan (on control of distribution) to Commission	SRM in response to Milestone 1 + 12 mon.	C. Mattsen, IMNS
5. Final rule (on transfers from licensees) to Commission	end of comment period in response to Milestone 2 + 6 mon.	J. Smith, IMNS

Comments:

3. Date changed based on Office of Nuclear Regulatory Research finalizing the report in December 2000.

VII. Topic Area: Materials and Waste Programs

F. Part 41 Rulemaking

SES Manager(s): Thomas Essig, Branch Chief, Uranium Recovery and Low-Level Waste Branch, DWM, and C. Haney, Rulemaking and Guidance Branch, IMNS

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

Coordination: OGC and OSP

Prior to February 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Issue final rulemaking plan (199800177)	4 months after Comm. Direction	M. Haisfield, DWM M. Fliegel, DWM

Beyond June 30, 2000		
Milestone	Date	Lead
2. Publish proposed Part 41 for public comment	12 months after completion of the rulemaking plan	M. Haisfield, DWM M. Fliegel, DWM
3. Publish final rule	11 months after publication of the proposed rule	M. Haisfield, DWM M. Fliegel, DWM

Comments: None

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 is scheduled to be issued for internal agency review in January 2000.

Prior to February 1, 2000		
Milestone	Date	Lead
4. Publish final version of SRP for License Termination Plans	3/00	L. Pittiglio, NMSS
Through June 30, 2000		
Milestone	Date	Lead
2. Complete D&D, Version 2, computer code	6/00	C. Trottier, RES
3. Complete RESRAD, Version 6.0, and RESRAD-BUILD, Version 3.0, computer codes	6/00	C. Trottier, RES
Beyond June 30, 2000		
Milestone	Date	Lead
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

Comments:

1. This task is independent of activities covered under IV.~~J~~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. RES has the lead for the development of DG 4006, "Demonstrating Compliance with Radiological Criteria for License Termination." ~~Dates for DG 4006 will be provided in the next update.~~ RES expects to issue the final Regulatory Guide to NMSS in March 2000, and to the Commission in July 2000.

VII. Topic Area: Materials and Waste Programs

H. Atlas Bankruptcy and Site Reclamation

SES Manager: Thomas Essig, Branch Chief, Uranium Recovery and Low-Level Waste Branch, DWM

Objective: Complete Reclamation of Atlas Site in Moab, Utah

Coordination: OGC

Will hold public meeting in Moab, Utah, ~~in~~ on January 13, 2000.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Select Trustee for Atlas Trust	11/99(C)	M. Fliegel, DWM
2. Transfer license and assets to Trust	12/30/99(C)	M. Fliegel, DWM
3. NRC approve tailings dewatering plan	2/00	M. Fliegel, DWM

Through June 30, 2000		
Milestone	Date	Lead
4. Staff Qs on revised ground-water corrective action program	6/00	M. Fliegel, DWM

Beyond June 30, 2000		
Milestone	Date	Lead
5. Staff approve revised ground-water corrective action program	01/01	M. Fliegel, DWM
6. Staff approve radon barrier construction	12/02	M. Fliegel, DWM
7. Staff approve completion of surface reclamation	12/05	M. Fliegel, DWM
8. Staff approve completion of ground-water corrective action program	01/08	M. Fliegel, DWM

Comments: None.

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 will be conducted on ~~December 31, 1999.~~January 5, 2000 at the Ashford Office Complex, West Valley, New York as announced in the December 3, 1999 Federal Register Notice.

Public comments will be incorporated into revised policy statement by March 31, 2000.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Publish draft West Valley decommissioning criteria policy statement in the Federal Register (199800178)	12/03/99 C	J. Parrott, DWM

Through June 30, 2000		
Milestone	Date	Lead
2. Commission Paper, with revised policy statement, to Commission for approval (199800178)	6/30/00	J. Parrott, DWM

Beyond June 30, 2000		
Milestone	Date	Lead
3. Publish revised policy statement in Federal Register	9/30/00	J. Parrott, DWM
4. After publication of West Valley Supplemental EIS, approve specific criteria for West Valley site	09/30/01	J. Parrott, DWM

Comments:

4. 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 1, 2000		
Milestone	Date	Lead
1. Remove the Pesses site from the SDMP	9/24/99C	R. Bellamy, R-I

Through June 30, 2000		
Milestone	Date	Lead
2. SDMP Master Schedule developed	3/00	L. Camper, DWM

Beyond June 30, 2000		
Milestone	Date	Lead
3. Remove the Watertown Mall site from SDMP	9/00	R. Bellamy, R-I

Comments:

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

   Due to the complexity of removing sites, staff is working to identify a third SDMP site for removal during FY 2000.

VII. Topic Area: Materials and Waste Programs

K. Part 61, Mixed Waste Rulemaking

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

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

Coordination: OGC, OSP

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

Prior to February 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Staff comments on EPA proposed rule to the Commission (199900116)	EPA publication date + approx. 60 days	

Beyond June 30, 2000		
Milestone	Date	Lead
2. Paper to Commission on proposed rule following publication of EPA's final rule (199900116)	EPA publication date+ 9 months	J. Smith, IMNS
3. Paper to Commission on final rule (199900116)	Close of public comment period + 9 months	J. Smith, 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.

VII. Topic Area: Materials and Waste Programs

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

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 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Draft final rule to Commission. (199800029)	3/31/00	J. Kotra, DWM, T. McCartin, DWM C. Prichard, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
None		

Comments: None

VII. Topic Area: Materials and Waste Programs

L. Prepare for Licensing a HLW Repository:
2) Staff Review of DOE Draft Environmental Impact Statement (DEIS) for Yucca Mountain

SES Managers: Bill Reamer and Joe Holonich, Division of Waste Management

Objective: Provide DOE with NRC comments on DEIS for Yucca Mountain

Coordination: OGC

Prior to February 1, 2000		
Milestone	Date	Lead
1. Paper to Commission transmitting staff comments (199900094)	1/14/00	James Firth, DWM

Through June 30, 2000		
Milestone	Date	Lead
2. Provide comments to DOE	2/9/00	James Firth, NMSS

Beyond June 30, 2000		
Milestone	Date	Lead
None		

Comments:

The Nuclear Waste Policy Act, as amended, requires DOE to include NRC comments on the environmental impact statement with any site recommendation.

2. Comment period on the DEIS ends on February 9, 2000. Milestone and schedule are dependent upon Commission decision.

VII. Topic Area: Materials and Waste Programs

L. Prepare for Licensing a HLW Repository
3) 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 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
None		

Beyond June 30, 2000		
Milestone	Date	Lead
1. Paper to Commission on Final Staff Guidance for Site Recommendation Review (199900117)	9/30/00	Manny Comar
2. Paper to Commission on Final Site Recommendation Review to Commission (199900117)	4/30/01	Manny Comar

Comments:

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(s): Donald Cool, Director, 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, OSP, 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 1, 2000		
Milestone	Date	Lead
1. Submit draft final rule to Commission for approval	8/3/99C	D. Flack, IMNS

Through June 30, 2000		
Milestone	Date	Lead
2. Submit final rulemaking package (including draft NUREG-1556, Vol.9) to the Commission for approval (199700065)	SRM in response to Milestone 1+ 6 mo.	D. Flack, IMNS
3. Submit revision of NRC's Medical Policy Statement to the Commission for approval	SRM in response to Milestone 1+ 6 mo.	C. Haney, IMNS
4. Revise rulemaking package and Medical Policy Statement following Commission review and approval of final rulemaking package and MPS	SRM in response to Milestones 2&3 +2 mo.	D. Flack, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
5. Publication of final rule in the Federal Register	Approx. 90 days after OMB approval of information collection requirements	D. Flack, IMNS

Comments:

- SECY-99-201 in response to 4/23/99 SRM issued 8/3/99.
- Briefed Commission on SECY-99-201 on 10/21/99

1&3. Staff expects the schedule for completion of the rulemaking, associated guidance, and Medical Policy Statement to be provided in the SRM that will be issued on SECY-99-201.

Enforcement - When the revision becomes final, minor changes will be made in the examples of violations in Appendix B of NUREG 1600.

Inspection - A separate NMSS task is the development of more performance-based inspection procedures for material licensees. The medical licensee inspection procedures are being developed with the current Part 35. Therefore, when Part 35 is finalized and the draft inspection procedures are approved, they will need to be revised to conform with the revised regulations.

VII. Topic Area: Materials and Waste Programs

N. General Licenses Regulation (Part 30)

SES Manager: Donald Cool, Director, 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: OSP, OGC, OE, ADM, CIO
NRC will send the draft final comprehensive rule to Agreement States in March ~~February~~, 2000.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Final rule on requests for information published	8/4/99C	C. Mattsen, IMNS
2. Draft licensee guidance published for public comment	9/99C	S. Merchant, IMNS

Through June 30, 2000		
Milestone	Date	Lead
3. Final comprehensive rule to Commission (199800071)	5/16/00	C. Mattsen, IMNS
4. Complete development of general license database and registration system	6/30/00	M. Raddatz, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
5. Publish final comprehensive rule	Approx. 9 days after OMB approval of information collection requirements	C. Mattsen, IMNS
6. Publish draft licensee guidance for public comment	FRN +1 mon.	S. Merchant, IMNS

Comments: None

VII. Topic Area: Materials and Waste Programs

O. Release of Solid Materials

SES Managers: Donald Cool, Director, IMNS
John Greeves, Director, DWM

Objective: To consider preparing a dose-based regulation for control of solid materials, including enhanced public participation in such a process, and to provide a briefing to the Commission in March 2000 on results of the Fall 1999 public meetings and comment and recommendations for next steps.

Coordination: Public meetings ~~will be~~ were held between September 1999 - December 1999. An ACNW meeting ~~will be~~ was held in December, 1999 ~~on the status of the public comments received, and for ACNW's comments on Issues Paper~~.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Published FRN with Issues Paper and announcement of scoping; Issues Paper placed on NRC Website	6/30/99C	F. Cardile, IMNS

Through June 30, 2000		
Milestone	Date	Lead
2. Commission paper to Commission (199400059)	3/22/00	F. Cardile, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
3. Further activities based on Commission review of Commission paper	SRM+18 mo n.	F. Cardile, IMNS

Comments: None

VII. Topic Area: Materials and Waste Programs

P. Spent Fuel Shipment Information Protection Requirements (Part 73) Rulemaking

SES Managers: Don Cool, Director, IMNS
E. William Brach, Director, SFPO
Michael Weber ~~Elizabeth Ten Eyck~~, Director, FCSS

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: OSP, OE, OGC, NRR

Prior to February 1, 2000		
Milestone	Date	Lead
~~None~~ ANPR published in the FR	12/21/99 (C)	A. DiPalo, IMNS

Through June 30, 2000		
Milestone	Date	Lead
None		

Beyond June 30, 2000		
Milestone	Date	Lead
1. Rulemaking plan to Commission for approval (199900123)	8/7/00	A. DiPalo, IMNS
2. Proposed rule to Commission (199900123)	SRM in response to Milestone 1+ 6 mo.	A. DiPalo, IMNS
3. Final rule to Commission (199900123)	SRM in response to Milestone 2 + 6 mo.	A. DiPalo, IMNS
4. Publish final rule	Approx. 90 days after OMB approval of information collection requirements	A. DiPalo, IMNS

II. Topic Area: Materials and Waste Programs

Q. Part 71 Rulemaking

SES Managers: Donald A. Cool, Director, IMNS
E. William Brach, Director, 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, OSP, OGC

A draft rulemaking plan will be sent to Agreement States in February 2000.

A presentation to the ACNW on the revised Commission paper/rulemaking plan will be made in April, 2000.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Revise FRN responding to public comments on the fissile material emergency final rule, to indicate the Commission's need for cost information regarding any unintended economic impact caused by the emergency final rule. Published FRN.	10/27/99C	N. Tanious, IMNS
2. Revise the same FRN to indicate that any unintended economic impact issue will be addressed as part of the rulemaking to make Part 71 compatible with the IAEA transportation standards. Published FRN.	10/27/99C	N. Tanious, IMNS

Through June 30, 2000		
Milestone	Date	Lead
3. Revised Commission paper to the Commission (199800008)	5/31/00	N. Tanious, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
4. Publish, concurrently with DOT, proposed rule to revise Part 71	03/31/01 ~~9/30/00~~	N. Tanious, IMNS
5. Publish final rule concurrently with DOT	06/30/02 ~~9/30/01~~	N. Tanious, IMNS

Comments: ~~None.~~

4 and 5: Due to the variety of complex technical issues to be addressed in this rulemaking, the need for coordination with DOT, and the anticipated stakeholder involvement and public comment, these dates have been revised to reflect a more realistic schedule. Moreover, there may be a delay in Europe in implementing the new requirements.

VII. Topic Area: Materials and Waste Programs

R. Part 72 Rulemaking:
1) Greater-Than-Class-C (GTCC) Waste

SES Managers: Donald Cool, Director, IMNS
E. William Brach, Director, 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: OSP, OGC

Prior to February 1, 2000		
Milestone	Date	Lead
1. Proposed rulemaking package to Commission (199600157)	1/28/00	M. Haisfield, IMNS

Through June 30, 2000		
+Milestone	Date	Lead
2. Publish proposed rule	SRM+ 1 mo.	M. Haisfield, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
3. Final rulemaking package to Commission (199600157)	Proposed rule publication date + 9 mo.	M. Haisfield, IMNS

Comments: ~~None~~

9. Proposed rulemaking package in final concurrence.

VII. Topic Area: Materials and Waste Programs

R. Part 72 Rulemaking:
2) Clarification and Addition of Flexibility

SES Managers: Don Cool, Director, IMNS, E. William Brach, Director, 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: OSP, OE, OGC, NRR

Prior to February 1, 2000		
Milestone	Date	Lead
1. Publish proposed rule in Federal Register	11/3/99C	A. DiPalo, IMNS

Through June 30, 2000		
Milestone	Date	Lead
2. Paper to Commission (199600159)	6/30/00	A. DiPalo, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
3. Publish final rule in Federal Register	Approx. 90 days after OMB approval of information collection requirements	A. DiPalo, IMNS

Comments: None

VII. Topic Area: Materials and Waste Programs

S. Part 70 Rulemaking

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

Project Manager: Andrew Persinko, FCSS

Objectives: To issue final amendments to 10 CFR Part 70. The amendments, 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 include a draft final rule and associated draft Standard Review Plan for fuel cycle facilities.

Coordination: The Part 70 rulemaking effort requires 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. OGC staff will attend public meetings with stakeholders which will be held in February 2000.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Revise draft Part 70 Standard Review Plan	1/31/00	A. Persinko FCSS

Through June 30, 2000		
Milestone	Date	Lead
2. Draft final rule and draft final Standard Review Plan to Commission (199500041)	5/16/00	A. Persinko FCSS
Beyond June 30, 2000		
Milestone	Date	Lead
None		

VII. Topic Area: Materials and Waste Programs

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

SES Manager(s): Donald Cool, Director, IMNS
Michael Weber ~~Elizabeth Ten Eyck~~, Director, FCSS

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

Coordination: OIP, OSP, OGC

Draft rulemaking plan will be sent for Agreement State review in January 2000.

Prior to February 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Send rulemaking plan to Commission for approval (199900118)	3/20/00	J. Telford, IMNS

Beyond June 30, 2000		
Milestone	Date	Lead
2. Send proposed rule to Commission for approval (199900118)	SRM + 6 months	J. Telford, IMNS

Comments: None

VII. Topic Area: Materials and Waste Programs

U. MOX Licensing

SES Manager(s): Robert C. Pierson, Chief, Special Projects Branch, FCSS

Project Manager: Melanie Galloway, Section Chief, Enrichment Section, FCSS

Andrew Persinko, 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 1, 2000		
Milestone	Date	Lead
None		
Through June 30, 2000		
Milestone	Date	Lead
1. Publish final Standard Review Plan	~~4/00~~ 5/00	M. Galloway, FCSS
Beyond June 30, 2000		
Milestone	Date	Lead
2. Initiate review of application	~~11/00~~ 9/00	M. Galloway, FCSS A. Persinko, FCSS

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. The completion date for publishing the final SRP is extended because of a delay in the draft SRP to account for changes resulting from management review.

2. Initiation of the review of the MOX application is moved up because of a revised date provided by the applicant.

VII. Topic Area: Materials and Waste Programs

V. Lessons Learned Concerning the Nuclear Criticality Accident at Tokaimura

SES Manager: Philip Ting, Chief, FCOB/FCSS/NMSS

Project Manager: William Troskoski, FCOB/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 1, 2000		
Milestone	Date	Lead
None		

Through June 30, 2000		
Milestone	Date	Lead
1. Provide report to Senate staff concerning the accident	2/29/00	W. Troskoski FCOB
2. Information Paper to Commission concerning lessons learned from DOE and Government of Japan review of the accident (199900119)	3/31/00	W. Troskoski FCOB

Beyond June 30, 2000		
Milestone	Date	Lead
None		

Comments: None

VII. Topic Area: Materials and Waste Programs

W. Risk-Informed Baseline Fuel Cycle Safety and Safeguards Inspection Program

SES Manager: Philip Ting, Chief, FCOB/FCSS

Program Manager: Walter Schwink, Assistant Chief, FCOB/FCSS

Objective: To develop and implement a more risk-informed, performance based, efficient, and effective safety and safeguards baseline inspection program for fuel cycle facilities. The revised inspection program will provide for consideration of performance indications obtained from inspections and where practicable credible performance indications volunteered by licensees. Licensee hazards, control of hazards for acceptable risks, and safety and safeguards related performance (engineered and human) will weigh heavily in allocating safety and safeguards baseline inspection resources to each licensee and risk significant licensee activity area.

Coordination: Program development is being coordinated with NMSS, Regions II, ~~and~~ III and IV, OE, NRR, and OGC. Project is also integrated with other NRC initiatives, such as II.A. Risk-Informed Baseline Inspection Program (for reactors) and VI.S. Part 70 Rulemaking, so that the revised inspection program will comport with emerging requirements, guidance, and policies involving fuel cycle facility safety and safeguards.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Hold a public workshop with the stakeholders	10/99 (C)	W. Schwink, FCSS
2. Hold a second public workshop with the stakeholders	12/99 (C)	W. Schwink, FCSS

Through June 30, 2000		
Milestone	Date	Lead
3. Hold a third public workshop. ~~on the initial draft of the revised inspection procedures.~~	~~03~~02/00	W. Schwink, FCSS

Beyond June 30, 2000		
Milestone	Date	Lead
4. Information Paper to Commission concerning the status of revising the inspection program (199900120)	07/00	W. Schwink, FCSS

Beyond June 30, 2000		
Milestone	Date	Lead
5. Information Paper to Commission concerning the status of the ongoing pilot program for revision of the inspection program (199900120)	12/00	W. Troskoski, FCSS
6. Information Paper to Commission concerning the pilot program results (199900120)	08/01	W. Troskoski, FCSS

Comments:

3. Revised scope of workshop based on stakeholder input. NRC has proposed monthly workshops to obtain stakeholder input in 2000.

VII. Topic Area: Materials and Waste Programs

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

SES Manager: Philip Ting, Chief, FCOB/FCSS

Project Manager: Roberta Warren, Team Leader, TAT/FCOB/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, SP, ADM, Regional offices, OGC, and IRO.

Prior to February 1, 2000		
Milestone	Date	Lead
1. Paper to Commission: Restoration of NRC Funding For Interagency Credibility Assessment Team (199900136)	~~12/99~~ 01/00	R. Warren, FCSS
2. Paper to Commission: National Initiatives Re Weapons of Mass Destruction and Impact on NRC (199900091)	~~12/99~~ 01/00	J. Davidson, FCSS
Through June 30, 2000		
Milestone	Date	Lead
None		
Beyond June 30, 2000		
Milestone	Date	Lead
3. Paper to Commission: Semi-Annual Threat Environment (199900076)	7/00	A. Danis, FCSS

Comments: Milestones may be event driven and other than anticipated.

1. The completion date for the Commission paper concerning funding for the Credibility Assessment Team is extended to allow time to strengthen options and coordinate with the FBI.

2. The completion date for the national initiatives Commission paper is extended to ensure consistency with a complimentary paper being prepared by the IRO.

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

A: Use of Informal Adjudicatory Procedures

SES Manager: Joe Gray, OGC

Prior to February 1, 2000		
Milestone	Date	Lead
1. Conduct public workshop on hearing process	10/26/99C	F.X. Cameron, OGC
2. Prepare Commission paper and proposed rulemaking for Commission review	1/15/00	T. Rothschild, OGC
3. Commission decision on proposed rulemaking	4/15/00	T.Rothschild,OGC

Through June 30, 2000		
Milestone	Date	Lead
4. Publish proposed rules for comment	5/15/00	T. Rothschild, OGC

Beyond June 30, 2000		
Milestone	Date	Lead
5. Submit Final rules to Commission	9/15/00	T.Rothschild, OGC
6. Commission approves/affirms final rules	12/15/00	T. Rothschild, OGC
7. Publish final rules in Federal Register	12/30/00	T.Rothschild,OGC
8. Final Rules effective	1/30/01	T.Rothschild, OGC

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 1, 2000		
Milestone	Date	Lead
1. Pennsylvania submitted draft request for an Agreement	2/24/99C	David Allard, PA
2. Staff conducted completeness review of draft request	6/19/99C	S. Salomon, OSP

Through June 30, 2000		
Milestone	Date	Lead
None		

Beyond June 30, 2000		
Milestone	Date	Lead
3. Pennsylvania to file an application for an Agreement	1/01/01	S. Salomon, OSP
4. Negative consent Commission Paper to Commission (199900121)	9/01/01	S. Salomon, OSP
5. Commission to give negative consent	10/01/01	
6. Final assessment after publication in FR	1/02/02	S. Salomon, OSP
7. Commission SRM approving the Agreement	2/02/02	
8. Agreement effective	2/02/02	

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 1, 2000		
Milestone	Date	Lead
1. OK submitted draft request for an Agreement	9/17/99C	M. Broderick, OK
2. Send completeness review comments to State	11/19/99C	P. Larkins, OSP

Through June 30, 2000		
Milestone	Date	Lead
3. Projected date for Governor's formal request	1/22/00	M.Broderick, OK
4. Negative consent paper to Commission for publication (199900122)	5/15/00	P.Larkins, OSP
5. Publication for Public Review and Comment	6/12/00	P.Larkins, OSP

Beyond June 30, 2000		
Milestone	Date	Lead
6. Final draft assessment and publication of comments to Commission	9/12/00	P.Larkins, OSP
7. Commission SRM approving the Agreement	10/12/00	
8. Agreement effective date	11/12/00	
9. Agreement Signing	11/24/00	