Agenda and Opening Remarks

SG Workshop Program and Schedule

TIME	DURATION	TOPIC	PRESENTER
February 27, 2000			
7:30 - 8:30		Registration	
8:30 - 9:00		Opening Remarks - NRC Management	B. Sheron E. Sullivan
9:00 - 10:30 Session 1	 20 min 15 min 20 min 15 min 20 min	SG Programmatic Issues – Chair: L. Lund • NEI 97-06, Revision 1 (Industry) • Schedule and Documentation Structure of Generic Licensing Package (NRC) • Integration/Responsibility of Industry Organizations (Industry) • Review Process/Resources for ARCs, CM/OAs, Reports, etc. (NRC) • Industry Actions on Lessons Learned (Industry)	 J. Riley L. Lund R. Exner T. Sullivan D. Goetcheus
10:30 - 10:45		Break	
10:45 - 11:15		Panel Discussions (All) - Moderator: K. Sweeney	
11:15 - 12:30		Lunch	
12:30 - 1:30 Session 2	 30 min 10 min 20 min	SG Inspection Oversight Issues – Chair: C. Khan • Plans for NRC Inspections of SG Programs (NRC) • Guidance/Training for NRC Inspectors and Outage Phone Call Protocol (NRC) • INPO SG Review Visit Objectives and Approach (Industry)	 D. Coe C. Khan A. Smith
1:30 - 1:45		Break	
1:45 - 2:15		Panel Discussions (All) - Moderator: R. Pearson	

SG Workshop Program and Schedule

TIME	DURATION	TOPIC	PRESENTER
2:15 - 2:30		Break	
2:30 - 4:30		SG Inspection Technical Issues – Chair: S. Coffin	
Session 3	15 min	• Analyst Guidelines (NRC)	C. Dodd
	45 min	• EPRI Examination Guidelines (Industry):	
		• Rev 5	S. Redner
		• Rev 6	D. Mayes
	15 min	• Steam Generator Eddy Current Inspection Challenges (NRC)	S. Coffin
	15 min	• NDE Issues (ANL)	D. Kupperman
	30 min	• NRC SG Mockup Round Robin (NRC)	J. Muscara
4:30 - 4:45		Break	
4:45 - 5:15		Panel Discussions (All) - Moderator: K. Karwoski	
February 28, 2000			
8:30 - 10:30		SG Tube Integrity Technical Issues – Chair: E. Murphy	
Session 4	20 min	• Steam Generator Integrity Assessment Guidelines (Industry)	K. Sweeney
	40 min	• NRC Perspective on Several Tube Integrity Issues (NRC/ANL)	E. Murphy S. Majumdar
	20 min	• In Situ Pressure Testing Guidelines (Industry)	H. Cothron
	20 min	• NRC Expectations Regarding ARC/Repair Methods/OAs Supported by Risk Assessment (NRC)	S. Long
	20 min	• Primary to Secondary Leak Guidelines (Industry)	F. Hundley
10:30 - 10:45		Break	
10:45 - 11:15		Panel Discussions (All) - Moderator: K. Karwoski	
11:15 - 11:30		Closing Remarks (NRC/NEI)	

Opening Remarks

Brian W. Sheron
Associate Director for
Project Licensing and Technical Analysis
NRC/NRR

Steam Generator Workshop
February 27-28, 2001

Opening Remarks

- Industry needs to direct serious attention to steam generator integrity
- Indian Point 2 was a painful experience; it was not a success story for either NRC or industry
- IP2 put a lot of burden on both the NRC and the industry
- Con Ed's credibility suffered and so did NRC's credibility

Opening Remarks

- Unfortunately, this translated into a loss of industry credibility with some members of Congress and with local communities
- In large measure NRC was held as accountable for the accident as was the licensee
- Tube ruptures are part of the PWR design basis; nevertheless, the IP2 tube failure was avoidable

Opening Remarks

- NRC expects licensees to take reasonable actions to prevent conditions such as those that existed at IP2

- Licensees have to be cognizant of unique circumstances at their plants that EPRI guidelines may not address

- We recognize industry programs getting better because guidelines improving and because licensees are now following NEI 97-06

Opening Remarks

- Based on IP2 it is clear that lessons learned need to be addressed in the guidelines and incorporated into licensee SG programs

- NRC is serious about operational assessments - we need to have a way to verify that licensees have assurance of tube integrity for the upcoming cycle

Opening Remarks

- NRC is holding industry accountable for conducting inspections appropriate to the plant, to prevent those tube ruptures that could be predicted from an adequate integrity assessment

- NRC has four strategic goals that we continually look to for carrying out our regulatory programs: Maintain Safety, Reduce Unnecessary Burden, Improve Efficiency and Effectiveness and Improve Public Confidence

Opening Remarks

- For the workshop I recommend that all of us keep in mind these four strategic goals and ask ourselves - what have we learned and what can all of us do better?

Opening Remarks

Edmund J. Sullivan
Section Chief, NDE & Metallurgy Section
NRR/DE

NRC Steam Generator Workshop
February 27 - 28, 2001

Historical Overview

- 2/15/00 - Indian Point 2 Tube Failure Event
- 2/28/00 - NRR request to RES for independent review
- 3/16/00 - RES response to NRR
- 5/24/00 - Task Group Charter issued
- 8/29/00 - Office of the Insp. General (OIG) Report issued
- 8/30/00 - Chairman's request for staff review of OIG Report
- 10/23/00 - Lessons-Learned Report issued
- 11/3/00 - Staff Review of OIG Report issued
- 11/16/00 - Steam Generator (SG) Action Plan issued

SG Action Plan

- SG Action Plan was issued on 11/16/00. The purpose of the action plan is to:
  - Direct and monitor the NRC's efforts in the SG tube integrity area
  - Ensure that the associated issues are appropriately tracked and dispositioned
  - Ensure the NRC's efforts result in an integrated SG regulatory framework (e.g., licensing, inspection, research) which is effective and efficient

SG Action Plan (cont.)

- The action plan consolidates numerous activities related to SGs including:
  - Evaluation and implementation of recommendations from the IP2 Lessons-Learned report
  - Evaluation and implementation of recommendations from staff review of OIG report
  - NRC review of NEI 97-06, "Steam Generator Program Guidelines" - revised and updated regulatory framework in generic change package
  - Resolution of GSI-163, "Multiple Steam Generator Tube Leakage"
  - Resolution of SG Differing Professional Opinion

SG Action Plan (cont.)

- The action plan also includes non-SG related issues that arose out recent SG activities (e.g., Emergency Planning issues from OIG report)

- The action plan does not address plant-specific reviews or industry proposed modifications to GL 95-05 (voltage-based tube repair criteria)

SG Action Plan Activities

- Regulatory Issue Summary - SG Lessons Learned
- Staff review of ACRS recommendations on DPO
- Determine GSI-163 resolution strategy
- Review and develop SE for NEI 97-06
- Guidance for NRC inspectors
- Formal written guidance for NRC technical reviewers
- Guidance for review of licensee SG inspection results, conference calls during outages
- SG Workshop with stakeholders
- Industry response to IP2 Lessons Learned

SG Action Plan Management

- Resolution of issues will be coordinated with internal and external stakeholders
- Status of action plan milestones will be updated on quarterly basis and published in the NRR Director's Quarterly Status Report
- Completion of each action plan milestone will be documented via memo from lead division to associate directors in NRR