

**Attachment 1**

**Attendee List**

Attendance list for meeting of February 16, 2001 at NRC Headquarters

NAME	ORGANIZATION	TELEPHONE NUMBER
R. ROTHMAN	NRC	703 5606675
R. KEATING	WESTINGHOUSE	724-722-5086
Lynn Connor	Consultant	503-309-7205
M. MERILO	EPRI	650-855-2104
Gary Beyers	FPL	561-694-4909
Jeff Fleck	FRAMATOME-AWP	804 832 3508
MIKE SCHOPMAN	NEI LATF	202-739-8011
Mike Robinson	DDC	704-373-3522
Tom Alley	DUKE POWER Co	704-382-9338
Jenny Weil	McGraw-Hill	202-383-2161
Emmett Murphy	NRC	301 415 2710
Deana Raliga	LIS scientech	301-258-2551
JIM RICCO	Public Citizen	202-346-4996
DAVID A. STEININGER	EPRI	650-855 2619
Helen Colborn	TVA	423-751-7658
Sherry Bernbygt	FPC/CP+L	352-563-4564
RICK MULLINS	SOUTHERN Co	205-992-5502
Jim Riley	NEI	202-739-8137
Mike Tuckman	Duke	704 382 2200
Jack Woodard	SNC	205 992 5086
ALEX MARION	NEI	(202) 739-8080
Jack A. Bailey	TVA	(423) 8951-4776
Richard P Pearson	NMC	651-388-1121 ext. 5098
Rick Ennis	NRC	301-415-1420
Makoto Kanda	Mitsubishi Heavy Industries	412-374-7388
Lane Hay	Bechtel	301 228 6312



## Attachment 2

### NRC Presentation

# Steam Generator Action Plan

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NRC-NEI Senior Management Meeting  
February 16, 2001

Edmund Sullivan  
Section Chief, NDE and Metallurgy Section  
NRR/DE/EMCB

# Historical Overview

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- 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

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- 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.)

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- 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.)

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- 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

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- 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

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- 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

# Schedule

- Recommence work on NEI 97-06 1/31/01
- Staff completes review and draft  
SE of NEI 97-06 SG generic license  
change package 5/31/01
- Staff briefs CRGR on NEI 97-06  
SG generic license change package 7/31/01
- Publish SE on NEI 97-06 SG  
generic license change package in  
FR for public comment 7/31/01
- ACRS review of NEI 97-06 SG  
generic license change package 8/31/01
- Staff briefs Commission on  
endorsing NEI 97-06 SG generic  
license change package 10/31/01

## Attachment 3

### NEI Presentation



# **SG Issues**

NEI SGIWG and SGTF / NRC  
February 16, 2001



## **Agenda**

- Opening remarks
- Industry lessons learned from IP2
- SG Action Plan
- Schedule for NRC Review of NEI 97-06
- Plans for Future Meetings



## Opening Remarks

- Opportunity to ensure senior management has a common understanding of status and objectives of generic SG activities
  - Identified issues are being addressed at the working level
- Industry will work with the NRC to address SG issues as they arise



## Opening Remarks

- Industry has actions underway to address the implications of recent events
  - Industry lessons learned letters
  - NEI Letter to the CNOs
  - Revised SG Program Generic License Change Package submitted in December
  - NEI 97-06 revision 1 issued January 2001



## Opening Remarks

- Industry activities
  - EPRI Guidelines are living documents
    - ◆ Rev 6 of SG Exam Guidelines
    - ◆ Rev 2 of In Situ Test Guidelines
  - INPO SG Review Visits and Website
  - Chartering Ad Hoc committee to address tube integrity issues:
    - ◆ Integrate eddy current and flaw assessment data requirements



## Lessons Learned

- NEI letter to CNOs emphasized implementation of the lessons learned and the Guidelines
- SGMP lessons learned letters issued in September and October
  - Information came from lessons learned from IP2, recent integrity assessments, and INPO SG review visit findings
  - Presented recommendations on a number of technical issues and interim guidance on pressure testing



## **Lessons Learned**

- INPO SG visits review actions taken in response to the letter
- Industry meetings (TAG)
- SG Review Board interpretations
- Applicable information will be included in the appropriate EPRI Guidelines



## **SG Action Plan**

- Actions items identified - 43 total, 27 for industry
  - Guidance has been substantially improved since 1997
  - Additional changes are being developed to address recent issues
- Industry will provide a written response to each item



## SG Action Plan

### ■ Implications

- TS question will be resolved before Generic Package is approved
- Technical issues currently being addressed:
  - Pressurization rate
  - Site specific qualification
  - Probability of detection
  - Data quality
  - Auto data analysis
  - S/N requirements on replacement SGs



## SG Action Plan

### ■ Schedule for resolution

- Continuing dialogue to:
  - ◆ Resolve comments on the Generic License Change Package, and
  - ◆ Resolve Action Plan issues
- Changes incorporated into Program requirements as the issues are resolved
- Action Plan Resolution should not delay Generic License Change Package Approval



## **NRC Review of NEI 97-06**

- NRC scheduled to complete its review of the Generic License Change Package in October 2001
- PWR licensees will implement the TS changes if approved as proposed
  - Several plants have expressed interest in submitting amendments earlier
  - Use of the CLIP process



## **Future Meetings**

- NRC SG Workshop at end of February
- SGTF / staff meeting on February 28th
- SGTF and staff are expected to meet regularly to resolve open items

