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DATE OF MEETING  
**03/17/2000**

The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:

Docket Number(s)	<u>N/A</u>
Plant/Facility Name	<u>N/A</u>
TAC Number(s) (if available)	<u>N/A</u>
Reference Meeting Notice	<u>2000-191 and 2000-192</u>
Purpose of Meeting (copy from meeting notice)	<u>Discuss the review of an industry initiative entitled</u> <u>NEI 97-06, Steam Generator Program Guidelines</u> <u>(handouts discussed at both meetings)</u>

**NRC FILE CENTER 2000**

NAME OF PERSON WHO ISSUED MEETING NOTICE  
**James Andersen**

TITLE  
**Project Manager**

OFFICE  
**NRR**

DIVISION  
**DE**

BRANCH  
**EMCB**

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# Steam Generator Generic License Change Package

SGIWG / NRC Senior Management Meeting

March 17, 2000



## Agenda

- Introduction *All*
- Generic License Change Package
  - Industry Commitment *SGIWG*
  - NRC comments *NRC*
  - NRC Review Process *NRC*
  - NRC Review Schedule *All*
  - Tech Spec Amendments *All*
  - Implementation *All*
- SG Program Support *SGIWG*
- Recent industry events *SGIWG*
- Conclusions *All*



## Introduction

- The proposed changes are an enhancement to plant safety
- The industry and NRC have worked closely in the development of the generic package
- The industry is behind the proposed changes
- It is time to resolve this issue



## Industry Commitment

- **68 / 69 PWR Units have agreed to implement the license changes as proposed**
- Changes to reflect plant-specific design and licensing basis will be necessary



## **NRC Review Schedule**

- Changes are an enhancement to safety and should be approved as soon as possible
- Industry has requested approval by July 2000



## **Tech Spec Amendments**

- Recommended six months to submit license amendment
- Plant-specific priorities will cause variance in this goal
- NRC efforts to reduce its approval time is important
  - Use of generic license amendment approval process



## Implementation

- Guideline workshops
- Benchmarking
- SG Program workshops
- Licensing workshops
- Confusion arising from dual guidance
  - DG-1074 and potential GL



## SG Program Support

- EPRI Steam Generator Management Program (SGMP) - since 1977
  - Executive oversight
  - Issue Integration Group (IIG)
  - Technical Advisory Group (TAG)
  - Issue Resolution Groups (IRG)
  - Technical Support Subcommittee (TSS)
  - Ad Hoc EPRI Guideline revision committees
    - ◆ Biannual review for revision



## SG Program Support

- INPO Steam Generator Program Reviews
  - since 1995
    - Systematic review of all stations
    - Use of industry peers
    - Annual summary to industry
- Self assessments
- NEI/SGMP SG Review Board
- NEI, INPO, and EPRI SG Websites



## Industry Events

- ANO 2 In Situ Pressure Test
  - Different interpretation of the guideline
  - Inquiry submitted to the Review Board
  - Industry will be informed of Review Board resolution
  - Process includes revisions to the guidelines if necessary



## Industry Events

- Indian Point 2 Tube Leak
  - INPO assist team using industry peers
  - Too early to make conclusions on implications
  - Industry's SG Program Guidelines are based on self evaluation and evolution
  - Potential impact on guidelines is being evaluated

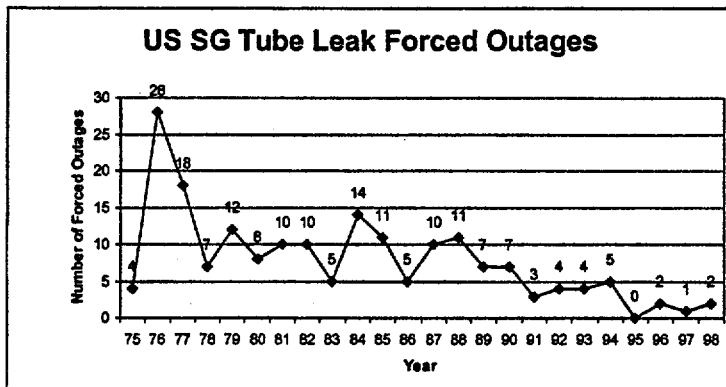


## Industry Event Trends

- Industry approved a Formal Initiative in December 1997 to develop a SG Program that meets the intent of NEI 97-06 by the first refueling outage after January 1, 1999
- Continuing SGMP efforts that culminated in the NEI Initiative have contributed to an improving trend in SG performance over the last 25 years

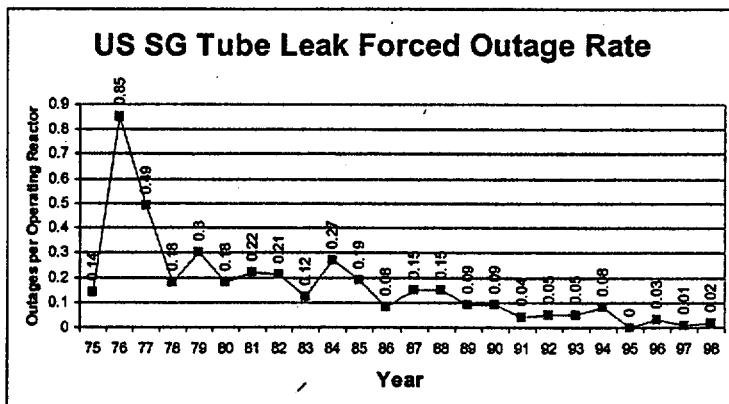


## Improving Trend



NEI

## Improving Trend



NEI



## **Conclusions**

- Improvement over existing requirements
- Promotes application of best practices
- Enhances safe operation
- Process based on self evaluation and evolution
- Encourages technical advances
- Industry is behind the improvements
- July 2000 approval is appropriate



**Agenda, SG Generic License Change Package Meetings**  
**March 16 and 17, 2000**

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**SGTF / NRC Staff Meeting**

**March 17, 2000**

**10:00 AM – 12:00 PM**

**8B4 White Flint 1**

- **Generic License Change Package**
  - NRC technical comments on the package *NRC*
  - Review process for the Generic License Change Package *NRC*
  - Schedule for review of the Generic License Change Package *NRC*
  - Implementation plan for the Tech Spec changes included in the Generic License Change Package
    - Anticipated timeframe for adoption *SGTF*
    - NRC review time for license amendment requests *NRC*
  - Need for licensing workshops to assist understanding of the Generic License Change Package and its implementation *All*
- **Internal industry efforts to facilitate SG Programs** *SGTF*
- **Generic SE on TIG Welded sleeves – comments on the document and approach** *SGTF*
- **Implications of the IP2 event on NEI 97-06 SG Program** *SGTF*

## **Comments on TIG Welded Sleeve Generic SER**

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- **General** – We believe that this represents an acceptable approach.
- **Items 3 and 4 seem to contradict item 1** – Item 1 should also allow changes via the 50.59 process. What is meant by NRC approval? If item 1 can be interpreted similar to the ASME Code exception process, we can agree. Tech Spec changes should not be necessary.
- **Sec 3.2, applicability to mill annealed alloy 600** – The applicability should be extended to alloy 690 and thermally treated alloy 600. There is no difference in thermal expansion coefficient between mill annealed and thermally treated alloy 600. For 690 TT, there are no dissimilar materials.
- Report should refer to ABB C-E Nuclear Power, Inc. or ABB CENP.
- In #2 of the Conclusion, the NRC Staff raises the issue of axial forces due to differential thermal expansion due to locked tubes at the tube support plates. The Conclusion seems to be an odd place to raise this issue for the first time. This should be discussed in section 3.3.
- In #7 of the Conclusion, the NRC states "Prior to implementing the subject sleeve repair method, the licensee shall update its design basis documents to identify the approved sleeving method and to place conditions/clarifications on its use in accordance with this safety evaluation." We agree that we do need a TRM change. Do we need anything else? If not, what is the intent of this statement?
- We presume that a utility with an existing SER for TIG welded sleeves would be able to adopt the generic SER with only a 50.59 evaluation.