

February 6, 2009

MEMORANDUM TO: Allen L. Hiser, Jr., Chief
Steam Generator Tube Integrity and
Chemical Engineering Branch
Division of Component Integrity
Office of Nuclear Reactor Regulation

FROM: Andrew B. Johnson, Materials Engineer **/RA/**
Steam Generator Tube Integrity and
Chemical Engineering Branch
Division of Component Integrity
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE JANUARY 8, 2009, CATEGORY 2 PUBLIC
MEETING WITH THE NUCLEAR ENERGY INSTITUTE (NEI) AND
INDUSTRY TO DISCUSS STEAM GENERATOR ISSUES

The Nuclear Energy Institute (NEI) Steam Generator Task Force (SGTF) met with U.S. Nuclear Regulatory Commission (NRC) staff on January 8, 2009, at NEI offices in Washington DC. The purpose of the meeting was to discuss a variety of steam generator issues. The topics discussed are described in the industry presentations described below. The Enclosure provides a list of those in attendance. This meeting was noticed as a public meeting and the meeting agenda is available in the NRC Agencywide Documents Access and Management System (ADAMS) under Accession Number ML090050454. Other than industry representatives, no members of the public were present.

Information presented by industry during the meeting is available in ADAMS under Accession Numbers ML090110004 and ML090110005.

Additional information not included in the presentation material and NRC comments include the following:

- There was significant discussion concerning industry activities to address foreign operating experience related to the effect of deposit buildup on the flow characteristics on the secondary side of the steam generator (SG), which was the subject of Information Notice 2007-37, "Build-up of Deposits in Steam Generators." Industry has considered providing guidance to utilities on the acceptable level of deposits in the SG; in particular, as related to whether plants have verified the position of their SG supports. The staff indicated it would be interested in hearing the industry's plans on this issue at the next meeting.

- The industry's assessment of the effects of deposits on secondary side water flow, pattern B addressed a case where approximately 95 percent of the tubes holes in the periphery were blocked and 40 to 60 percent of the tube holes in the center were blocked.
- The NRC staff indicated that monitoring noise was important for ensuring adequate inspections and encouraged the industry to further improve their capability in this area. The industry indicated that they will provide a copy of the Electric Power Research Institute's (EPRI's) noise report (Report 1016554).
- Following the meeting, the NRC staff verified it has a copy of EPRI report 1015123, but not EPRI report 1016560. Both of these reports address the time dependent leak rate issue. There was some discussion on whether the industry's evaluation of time dependent leak rates was going to assess the in-situ pressure test results at Surry.
- The staff requested a copy of the March 2008 report regarding eddy current examination technique equivalency (EPRI report 1015126).
- The industry recommended closure of an issue related to the relationship of operational leakage to accident induced leakage. The NRC staff concurred.
- Steam Generator Maintenance Project (SGMP) members and the NRC discussed the possibility of allowing NRC access to the EPRI SG website. Such access would permit NRC inspectors to more effectively prepare for inspections, and would reduce the burden on licensees. Industry indicated it will consider this request.
- The NRC staff and industry discussed adding the following agenda items for the next NRC/industry meeting:
 - Changes to industry documents
 1. Given the industry desire to stop issuing draft reports to the NRC for comment, the NRC staff and industry discussed the possibility that all future meetings would include an item where changes to these documents would be discussed. The industry indicated that they will review NEI 97-06 to determine whether it requires submittal of the draft documents.
 2. NEI discussed changes to NEI 03-08. Industry is interested in specifying who at the NRC is required to be notified within 45 days of approved deviations to "mandatory" and "needed" requirements. Currently there is no guidance about who at the NRC must be notified. There was also some discussion of whether the NRC should be notified in advance of the deviation approval, instead of within 45 days after approval.
 - New SG Operating Experience (OE).
 - The assessment of tube integrity at a 0.95 probability level with a 95 percent confidence interval and whole bundle SG analysis

A. Hiser

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June 2009 was identified as a tentative timeframe for the next NRC-SGTF meeting, following spring outages and the industry's Technical Advisory Group (TAG) meeting.

Project No. 689

Enclosure:
Attendance List

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Project No. 689

Enclosure:
Attendance List

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**ADAMS ACCESSION NO.: Pkg. ML090260764, Memo ML090370782.
Encl. ML090110004, ML090110005**

OFFICE	NRR/DCI/CSGB	NRR/DC/CSGBI	NRR/DCI/CSGB
NAME	AJohnson /RA/	EMurphy /RA/	AHiser /RA/
DATE	02/03/2009	02/03/2009	02/05/2009

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Attendance List
January 8, 2009, Meeting with the NEI SGTF and Industry

SGTF/Industry

Helen Cothron, EPRI
Greg Kammerdeiner, FENOC
Scott A. Redner, XCEL
R. Cullen, Entergy
Jim Riley, NEI
Gary L. Boyers, FPL
Mike Melton, NEI
Herm Lagally, Westinghouse
Richard Mullins, SNC
Dan Mayes, Duke Energy
Steve Swilley, EPRI
Jeff Fleck, AREVA
Russell Lieder, FPL Energy
Don Gerber, Dominion
Forrest Hundley, SNC

NRC

Charles Harris
Andrew Johnson
Emma Wong
Allen Hiser
Emmett Murphy
Ken Karwoski
William Golumbskie

Phone Participants

Heather Feldman, EPRI
Tom Bipes, EPRI
Jay Smith, Exelon
John Arhar, PG&E

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