August 8, 2008

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: Emma L. Wong, Chemical Engineer **/RA/**
Steam Generator Tube Integrity and
Chemical Engineering Branch
Division of Component Integrity
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE JULY 17, 2008 CATEGORY 2 PUBLIC MEETING WITH THE NUCLEAR ENERGY INSTITUTE (NEI) AND INDUSTRY TO DISCUSS H*/B* ISSUES

The Nuclear Regulatory Commission's (NRC) staff met with the Nuclear Energy Institute (NEI) and licensees on July 17, 2008 at Westinghouse's offices in Rockville, Maryland. The purpose of the meeting was to discuss with the industry the status of issues related to the technical basis for limiting the extent of inspections in the tubesheet region (H*/B*) in units with thermally treated Alloy 600 steam generator tubes. 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 ML081830711. Other than industry representatives, no members of the public were present.

Information presented by the industry during the meeting is available in the NRC's, ADAMS under Accession Number ML082030202.

The following items were discussed during the meeting:

> The industry requested the NRC staff's basis for indicating that the ratio of steam line break to normal operating leakage is 2.5. The NRC staff indicated it would clarify the basis in one of the subsequent public meetings on this topic. Two options were presented by the industry for satisfying the tube structural integrity performance criterion (i.e., Options A and B). The NRC staff made several comments on these options including the possible need to have both deterministic and probabilistic structural integrity acceptance criteria such as was approved by the NRC staff in NRC Generic Letter 95-05, which addressed voltage based alternate repair criteria.

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In addition, the NRC staff commented that there may also be a hybrid approach which uses inspections of the lower 4 inches to further inform the assessment of structural and leakage integrity by determining the population of tubes that are susceptible to pullout and/or leakage.

There was discussion on whether the integrity of plugged tubes was important if tube pullout was restricted, in part, by neighboring tubes. There was also discussion on whether leakage past the weld of a plugged tube was a concern. The expert panel did not think leakage through a weld and past the plug expansion zone was a concern (given the plug expansion process).

A tentative schedule for the completion of H*/B* was presented. Testing was scheduled to be completed by mid-to-late-August and technical work would be finished by the end of 2008. The final report was scheduled to be complete by early February 2009. The NRC responded with interest in receiving the final report by the end of 2008.

The industry discussed a tentative schedule for future meetings with the NRC, including public meetings in August and September. Future public meetings will be announced.

Project No. 689

Enclosure:
Attendance List

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DISTRIBUTION:

DCI R/F	GMakar	EMurphy	DTerao	AJohnson	KGruss
RidsNrrAdes	RidsNrrOd	MMelton, (mam@nei.org)		MStambaugh	RidsNrrDpr
RidsOgcMailCenter		RidsEdoMailCenter			

ADAMS ACCESSION NO.: ML082210692

OFFICE	NRR/ADES/DCI/CSGB	NRR/ADES/DCI	NRR/ADES/DCI/CSGB
NAME	EWong /RA/	KKarwoski /RA/	AHiser /RA/
DATE	8/8/2008	8/8/2008	8/8/2008

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Attendance List
July 17, 2008 Meeting with NEI, SGTF, and Industry to Discuss H*/B* Issues

SGTF/Industry
Helen Cothron, EPRI (by phone)
Chris Cassino, WEC
Jim Begley, AREVA
David Crawley, SNC (by phone)
S. Leshnoff, Exelon
Gary L. Boyers, FPL
Mike Melton, NEI
H. Lagally, Westinghouse
Dan Mayes, Duke Energy
Pete Riccardella, Structural Integrity
S. Leshnoff, Exelon
Patrick Fabian, PSEG (by phone)
Jim Begley, AREVA
Russ Cipolla, APTECH
Pat Wagner, WCNOC (by phone)
Steve Wideman, WCNOC (by phone)
Jay Smith, Exelon (by phone)

NRC
Emma Wong
Thomas Morgan
Andrew Johnson
Allen Hiser
Emmett Murphy
Ken Karwoski
Saurin Majumdar, ANL (by phone)

ENCLOSURE