

October 23, 2012

MEMORANDUM TO: Sheldon D. Stuchell, Acting Chief  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

FROM: Jonathan G. Rowley, Project Manager /RA/  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF AUGUST 28, 2012, PUBLIC MEETING  
REGARDING PRESSURE-TEMPERATURE LIMITS FOR THE  
BELTLINE REGION

On August 28, 2012, a Category 2 meeting was held by the U.S. Nuclear Regulatory Commission (NRC) staff to discuss the historical basis for the approved methods for developing reactor pressure vessel (RPV) pressure-temperature (P-T) limits, their bases, and assessing RPV regions other than the beltline.

The NRC staff and Pressurized Water Reactor (PWR) Owners Group (PWROG) representatives discussed the current NRC-approved PWR RPV P-T limit methodologies and how those methodologies are being questioned in NRC requests for additional information (RAIs). The PWROG representatives presented information on a short-term approach to respond to the RAIs via a standard response, which contains plant-specific information. The PWROG representatives also presented information on a long-term approach to more rigorously address questions associated with addressing P-T limits for regions outside of the RPV beltline region.

The PWROG plans to provide a standard RAI response, including the requested plant-specific information for review, prior to docketing the final plant-specific RAI response. The RAI response does not need to address nozzle embrittlement unless the nozzle region fluence is greater than  $1.0 \text{ E}+17 \text{ n/cm}^2$  ( $E > 1.0 \text{ MeV}$ ). The vendors will work with the first licensee to develop the RAI responses. The standardized RAI responses will be based upon the first licensee's RAI responses. The potential of nozzle embrittlement will be addressed by the industry, including the PWROG, the American Society of Mechanical Engineers, and the Materials Reliability Project in a longer time frame.

A list of attendees is enclosed. No public stakeholders attended. The slide presentation presented by the PWROG representatives can be found in the ADAMS at Accession Number ML12243A268.

Project No. 694

Enclosure:  
List of Attendees

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**DISTRIBUTION:**  
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ADAMS Accession Nos.: ML12284A081 (Summary); ML12286A240 (Package); ML12226A655 (Notice); ML12243A268 (Presentations); **NRR-106**

<b>OFFICE</b>	PLPB/PM	PLPB/LA	PLPB/BC (A)	PLPB/PM
<b>NAME</b>	JRowley	DBaxley	SStuchell	JRowley
<b>DATE</b>	10/10/2012	10/18/2012	10/22/2012	10/23/2012

List of Attendees

**Public Meeting with the Pressurized Water Reactor Owners Group (PWROG)  
Regarding Pressure-Temperature Limits for the Reactor Pressure Vessel Beltline Region**

August 28, 2012

<b><u>Name</u></b>	<b><u>Organization</u></b>
Asho Nana	AREVA NP, Inc.
Doug Killian	AREVA NP, Inc.
Matthew DeVan	AREVA NP, Inc.
Edison Fernandez	Arizona Public Service Company
Bill Server	ATI Consulting
Bernie Rudell	Constellation Energy
Charles Tomes*	Dominion Power
Robert Carter	Electric Power Research Institute
Tim Hardin	Electric Power Research Institute
Cliff Custer*	First Energy Corporation
Larry Hinkle*	First Energy Corporation
Scott Boggs	Florida Power and Light
Harmeet Gill	General Electric-Hitachi Nuclear Energy
Mark Biery	Mitsubishi Nuclear Energy Systems
Kevin Holthaus*	Omaha Public Power District
Jim Molkenthin	PWROG
Ron Gamble	Sartrex
Mike McDevitt*	Southern California Edison
Corey Thomas*	Southern Nuclear Company
Jack Stringfellow	Southern Nuclear Company
Ryan Joyce*	Southern Nuclear Company
Al Csontos	U.S. Nuclear Regulatory Commission
Allen Hiser	U.S. Nuclear Regulatory Commission
Carolyn Fairbanks	U.S. Nuclear Regulatory Commission
Daniel Widrevitz	U.S. Nuclear Regulatory Commission
Eric Focht	U.S. Nuclear Regulatory Commission
Gary Stevens	U.S. Nuclear Regulatory Commission
Jonathan Rowley	U.S. Nuclear Regulatory Commission
Mark Kirk	U.S. Nuclear Regulatory Commission
Michael Benson	U.S. Nuclear Regulatory Commission
Patrick Purtscher	U.S. Nuclear Regulatory Commission
Robert Hardies	U.S. Nuclear Regulatory Commission
Simon Sheng	U.S. Nuclear Regulatory Commission
Carol Heinecke	Westinghouse Electric Company
James Andrachek	Westinghouse Electric Company
Nathan Palm	Westinghouse Electric Company
Warren Bamford	Westinghouse Electric Company

\* via telephone conferencing

ENCLOSURE

## DISTRIBUTION FOR MEETING SUMMARY

Dated: October 23, 2012

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