

February 15, 2007

MEMORANDUM TO: Michael L. Scott, Chief
Safety Issues Resolution Branch
Division of Safety Systems
Office of Nuclear Reactor Regulation

FROM: Joseph A. Golla, Project Manager */RA/*
Generic Communications and Power Uprate Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF DECEMBER 20, 2006, PUBLIC MEETING WITH THE
NUCLEAR ENERGY INSTITUTE (NEI), PRESSURIZED WATER
REACTOR OWNERS GROUP (PWROG), LICENSEES, AND SUMP
STRAINER VENDORS TO DISCUSS THE RESOLUTION OF GENERIC
SAFETY ISSUE (GSI)-191

On December 20, 2006, the Nuclear Regulatory Commission (NRC) staff met with representatives of NEI, PWROG, licensees, and sump strainer vendors in a public meeting at the offices of NEI in Washington, DC. The Enclosure provides a list of those in attendance and individuals who participated via teleconference. Information presented by the NRC and industry at the meeting is available in the NRC Agencywide Documents Access and Management System (ADAMS) under Accession No. ML070190325.

The purpose of the meeting was to discuss a variety of issues related to GSI-191 with the intent to identify the next steps needed. Notably, ongoing chemical effects testing, buffer changeout, coatings, and audits were discussed. The meeting was convened by the NRC GSI-191 project manager. The NRC GSI-191 team leader made opening remarks which summarized the NRC management perspective of the status of GSI-191 resolution activities. In his opening remarks concerning chemical effects, the NRC team leader stated that the protocol for chemical effects testing continues to evolve and that the NRC staff would like the strainer vendors to provide an update of test protocol and test results at the next meeting.

A technical presentation was given by NRC staff concerning systematic approach to buffer evaluation and the regulatory review process for proposed buffer changeouts. This discussion addressed a November 16, 2006, NRC Commission Staff Requirements Memorandum (SRM) which directed the staff to encourage licensees to replace buffers, when indicated, during scheduled outages. The briefing also presented material concerning lessons learned about buffering agents from NRC-sponsored head loss testing, buffer change considerations, the impact of buffer change on chemical effects, the effect that buffer change may have on post accident dose, corrosion/stress corrosion cracking, and equipment qualification. After this presentation, discussion ensued concerning the next meeting on chemical effects. There was discussion concerning the approach of having a lead plant serve as a model for buffer changeout. There was also discussion concerning head loss testing and temperature scaling.

There was discussion of expected time frame for NRC review of license amendment requests (LAR) for changes to technical specifications to accommodate buffer changes, and discussion concerning requests to extend completion of Generic Letter 2004-02 corrective actions beyond December 31, 2007.

Following this, a representative of the PWROG gave a presentation on buffering agents. In particular, the topic of using sodium tetraborate and sodium metaborate as a buffer was discussed.

Following this discussion, NRC staff presented a briefing on the treatment of coatings debris in debris source term analysis. Discussion among meeting participants followed this briefing. After this, a briefing concerning coatings was provided by industry. This briefing discussed confirmation of adequacy of current coatings practices, testing methods, and failure morphology.

A representative of NEI provided a briefing on the general status of industry activities to resolve GSI-191 and specific activities in certain key areas. The specific key areas presented were the status of outage activities, strainer/interceptor tests, debris transport/settling, debris generation tests, debris characterization, chemical effects, and water management.

A representative of the PWROG then presented a briefing on industry-initiated jet impingement testing. Another representative of the PWROG then gave a presentation on areas where precipitate reductions might be realized by utilizing plant-specific parameters in the WCAP-16530 methodology in place of conservative assumptions specified in the WCAP.

The NEI representative then provided discussion on assisting the NRC in addressing the November 16, 2006, SRM (ADAMS Accession No. ML063200471). This memorandum asked the staff to work with industry to develop a matrix for all plants listing their schedule for installing larger strainers and other major plant modifications that are part of their plan to resolve GSI-191. Also, the NEI representative asked the staff for clarification as to what should be considered to be a major plant modification. A clarification of this was later provided by the staff.

A briefing was given by the NRC GSI-191 team leader on the audit process and some results from completed audits. Another NRC staff member then provided, for the benefit of industry participants, a discussion of downstream effects evaluations.

A member of the public asked if any plant other than Fort Calhoun has applied for a LAR for buffer changeout. The NRC staff answered this question by stating that, to date, the Palisades Plant has applied for a temporary change and that this was under review.

Plans for the next meeting were discussed and the meeting was adjourned.

Enclosure: As Stated

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Enclosure: As Stated

ADAMS ACCESSION NUMBER: ML070190299

OFFICE	LA:PGCB:DPR	PM:DPR:PGCB	BC:DCI:CSGB	BC:DSS:SSIB	BC:DPR:PGCB
NAME	CHawes	JGolla	AHiser	MScott	CJackson
DATE	1/24/2007	1/23/2007	2/5/2007	2/15/2007	2/8/2007

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List of Attendees for December 20, 2006,
Meeting of NEI, Industry, and NRC

NAME	ORGANIZATION
Jim Furman	GE Nuclear
Davood Abdollahian	GE Nuclear
Mark Coleman	PG&E (Diablo Canyon)
David Midlik	SNC
Annie Lane	Westinghouse
Chuck Feist	TXU Power
Kenneth Petersen	USA/STARS
Bob Peterson	S&L
Tom Kendall	NMC/FPL
EJ Mistele	OPG
Rick Heath	Areva
Jon Cavallo	CCC&L Inc.
Ken Isley	Duke Energy
Dewey Rochester	Duke Energy
R.W. Eaken	Duke Energy
Dave Guzonas	AECL
Al Casillo	Palisades
Amy Hazelhoff	Palisades
Gabe Salamon	NMC
John Butler	NEI
Jim Bleigh	PCI
George Geaney	MPR Associates
Marwan Charrouf	MPR Associates
Gil Zigler	Alion Science & Technology
Tony Pietrangelo	NEI

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Paul Willoughby	Dominion
Mike Franklin	Progress Energy
Natalie Mosher	Entergy
Heidi Dergel	Areva
Mike Murdock	Duke/Catawba
Joe Gasper	OPPD
Brian Dunn	FPL
Jeff Hamel	General Electric
Dennis Blakely	FENOC
Aaron Smith	Enercon
Jan Bostelman	Alion
Tim Eckert	EPRI
Tim Andreychek	Westinghouse
William Slagle	Westinghouse
Rob Sisk	Westinghouse
Maurice Dinglor	WCNOC/PWROG
Bert Dunn	Areva
Addison Hall	Dominion
Kiran Mathur	PSEG
Doug Walker	Exelon
Leland Cerra	Entergy
Adi Irani	Entergy-IPEC
Frank Eppler	Oconee
Steven Dolley	Platts Nuclear
Peter Wilkens*	SONGS
Ed Kamoto*	SONGS
Mike Scott	USNRC
Tom Martin	USNRC

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Leon Whitney	USNRC
Ervin Geiger	USNRC
Joe Golla	USNRC
Paul Klein	USNRC
Matt Yoder	USNRC
Steve Unikewicz	USNRC
James Oxendine	USNRC
John Lehning	USNRC
Shanlai Lu	USNRC
Ralph Architzel	USNRC
John Burke	USNRC
Margie Kotzalas	USNRC
Aleem Boatright	USNRC
Walt Jensen	USNRC
Tom Hafera*	USNRC

* Participated via teleconference

Enclosure

Memorandum to Michael L. Scott from Joseph A. Golla

SUBJECT: MEETING SUMMARY OF PUBLIC MEETING WITH NEI AND INDUSTRY ON
DECEMBER 20, 2006, TO DISCUSS TOPICS RELATED TO GSI-191 DATED FEBRUARY 15,
2007

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MYoder (MGY)

SUnikewicz (SMU)

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SSmith (SJS2)

JBurke (JPB3)

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