

December 9, 2003

MEMORANDUM TO: Cathy Haney, Program Director  
Policy and Rulemaking Program  
Division of Regulatory Improvement Programs, NRR

FROM: Peter C. Wen, Project Manager **/RA/**  
Policy and Rulemaking Program  
Division of Regulatory Improvement Programs, NRR

SUBJECT: SUMMARY OF DECEMBER 2, 2003, MEETING WITH NUCLEAR  
ENERGY INSTITUTE (NEI) REGARDING RISK-INFORMED INSERVICE  
INSPECTION PROGRAMS

On December 2, 2003, the Nuclear Regulatory Commission (NRC) staff held a public meeting with representatives of the Nuclear Energy Institute (NEI), Electric Power Research Institute (EPRI), Westinghouse Owners Group (WOG), and other interested stakeholders at NRC headquarters to discuss the characteristics of living programs for risk-informed inservice inspection (ISI) programs. The meeting attendees are listed in Attachment 1. Handouts used by industry representatives during the meeting are included in Attachment 2 (ADAMS Accession Number ML033360982).

During the meeting, the industry representatives described the risk-informed ISI living program philosophy and NEI's program guidance to maintain risk-informed ISI living programs. A final draft of NEI's guidance document is expected to be available by the end of January 2004. The document will be provided to the NRC for information and/or informal review, but endorsement will not be requested.

The NEI's guidance will address expedited, periodic, and ten-year evaluations. The ten-year evaluations will accompany the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code ten-year interval updates. Two types of evaluations are envisioned depending on the amount of new information that has been accumulated and that is relevant to the RI-ISI programs, screening reviews and program updates. The more frequent screening reviews are qualitative evaluations of new information to determine if there is an impact of the new information on the RI-ISI program. The less frequent program updates will incorporate all the new information into a probabilistic risk assessment (PRA) and other RI-ISI models and re-perform the RI-ISI program evaluation.

The industry representatives also discussed the results of eight plants that have updated their RI-ISI programs. The results indicate that the RI-ISI program does not necessarily change following an update but that changes in the number and location of inspections will sometimes occur. Program changes arising from modification of the degradation mechanism profile may be greater than changes arising from modification to the PRA models.

The ASME is currently developing a non-mandatory Appendix X, "Risk Informed Requirements for Piping," that incorporates both approved RI-ISI methodologies into ASME Section XI. There was some discussion on how a non-mandatory Appendix can be incorporated into the regulations, via rulemaking in 10CFR 50.55a or endorsement, with comments, in RG 1.147. This issue will be further investigated by the industry and the NRC Staff.

Representatives of the NRC and the industry agreed that it would be prudent to have further interface and discussions after the staff has received and reviewed the NEI guidance document. They agreed that this meeting had been useful for the exchange of information on the discussion subject. Having completed discussion of the agenda items, the meeting was adjourned.

Project No. 689

Attachments: As stated

cc: w/atts: See list

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cc: w/atts: See list

ADAMS Accession #

Meeting Handouts: ML033360982

Distribution: See list

ADAMS Accession No.: **ML033440008**

OFFICE	PM:RPRP	SPSB	SC:SPSB	(A)SC:RPRP
NAME	PWen	SDinsmore	MRubin	RDudley
DATE	12/3/2003	12/3/03	12/5/2003	12/9/2003

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**List of Attendees for December 2, 2003 NRC/NEI Meeting on  
RI-ISI Programs**

<b>NAME</b>	<b>ORGANIZATION</b>
Steve Dinsmore	NRC/NRR/DSSA/SPSB
David Terao	NRC/NRR/DE/EMEB
Andrea Keim	NRC/NRR/DE/EMCB
Bob Davis	NRC/NRR/DE/EMEB
Eric Reichelt	NRC/NRR/DE/EMEB
Peter Wen	NRC/NRR/DRIP/RPRP
Sayed Ali	NRC/RES/DET/ERAB
Biff Bradley	NEI
Raymond West	Dominion
Alex McNeill	Dominion
Robin Grayheal	Inservice Eng.
Paul Stevenson	Westinghouse
Dick Haessler	Westinghouse
Mark Pyne	Duke Power
John O'Neil	PSEG Nuclear
Patrick O'Regan	EPRI
Deann Raleigh	LIS SCIENTECH
Nancy Chapman	SERCH/Bechtel

cc: Via email (Use MS Word if available)

Biff Bradley, NEI  
reb@nei.org

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**Distribution:** Mtg w/NEI RI-ISI Programs 12/02/03

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EV Imbro

D. Terao

W. Bateman

T. Chan

A. Keim

R. Davis

E. Reichelt

M. Evans, RES

S. Ali, RES

T. Bergman, OEDO

OPA