

November 27, 2000

MEMORANDUM TO: Cynthia A. Carpenter, Chief
Generic Issues, Environmental, Financial
and Rulemaking Branch
Division of Regulatory Improvements Programs, NRR

FROM: Joseph L. Birmingham, Project Manager/**RA**
Generic Issues, Environmental, Financial
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Division of Regulatory Improvements Programs, NRR

SUBJECT: SUMMARY OF OCTOBER 25, 2000, MEETING WITH THE NUCLEAR
ENERGY INSTITUTE (NEI) REGARDING CONTROL ROOM
HABITABILITY (CRH) AND NEI 99-03

On October 25, 2000, representatives of the Nuclear Energy Institute Control Room Habitability Task Force met with representatives of the Nuclear Regulatory Commission (NRC) at the NRC's offices in Rockville, Maryland. The purpose of the meeting was for NEI to present an overview of NEI 99-03, "Control Room Habitability Assessment Guidance," and discuss NRC staff comments on the current draft. Attachment 1 is a list of those attending the meeting, Attachment 2 is the agenda for the meeting, Attachment 3 is the view graphs presented by NEI, and Attachment 4 is the view graphs presented by NRC.

Rich Barrett, of the NRC began the meeting with introductions and by stating that the purpose of the meeting was to discuss the October 13, 2000, draft of NEI 99-03 and to discuss the schedule for its completion. He then asked NEI to present an overview of the document.

Kurt Cozens, of NEI, introduced an agenda for the meeting and suggested that detailed questions be saved for the afternoon session. He briefly discussed the near-term schedule for NEI 99-03 and asked that NRC provide staff comments by November 6, 2000, to allow NEI to prepare for the ACRS meeting scheduled for November 15, 2000. He then introduced Jim Riley who discussed results of an industry survey on a control room habitability program. The survey covered the following major technical issues: baseline in-leakage testing, periodic in-leakage reassessment, toxic gas reassessment, smoke infiltration, CRH program commitment. In general, the results indicated support for each issue and for the type of program proposed by NEI 99-03. Specific details of the survey results are in Attachment 3.

Following the discussion of the survey results, NEI presented the status of five key issues. The five key issues were: baseline testing, periodic assessments, smoke inleakage, toxic gas assessment, and the relation of a CRH program to technical specifications. The staff asked some general questions about the five issues and indicated that it would address them more specifically during the staff presentation.

The staff presentation was made by Mark Reinhart. The presentation covered the current status of the CRH program, areas of progress, and five issues that NRC considered to be

primary issues for resolution. The primary issues were testing; technical specifications; the CRH package including analyses, conservatisms, and non-conservatisms; the relationship of General Design Criteria 19 and adjacent units; and smoke control. Regarding unfiltered inleakage testing the staff noted that about 25% of reactor control rooms had been tested using the guidance in ASTM E741 and were found not to meet the assumed inleakage values in the plant analyses. The staff stated that all of these plants were able to recover by new analyses or by restoring the CRH boundary and none of the plants were shut down. The staff gave its status of review of NEI 99-03 and indicated it should have completed comments to NEI by November 7, 2000. The staff presented its expected schedule for issuing a regulatory guide endorsing NEI 99-03. This showed a draft regulatory guide issued for comment in September 2001. The staff also presented a proposal for a Control Room Boundary Integrity Program for inclusion in technical specifications. Details of the proposal are in Attachment 4.

The remaining part of the meeting was spent discussing the differences between the staff's and the NEI Task Force's positions. Issues specifically discussed included baseline testing, the technical specification for inleakage, and performance of a rigorous re-assessment of control room habitability in light of current information. No resolution was reached on these issues.

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Attachments: As stated

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List of Attendees for Control Room Habitability Meeting, 10/25/00

NAME	ORGANIZATION
Kurt Cozens	Nuclear Energy Institute
Jim Riley	NEI
David Modeen	NEI
Mike Schoppman	NEI
Ken Taplett	STPNOC- STARS
Mike Ruby	RG & E
Robert Campbell	TVA
Steve Leonard	NMPC
Gopal Patel	NUCORE
Jim Metcalf	Polestar
Rick McGoey	Energy Services
Ken Jha	Bechtel
R. Brad Harvey	DE & S
Jerry Burford	EOI
Brian Thomas	PSEG Nuclear
Richard Gerling	Consumers Energy
Christen Dahlgren	Consumers Energy
Tom Mscisz	Exelon Nuclear
Peter Dorosko	CP&L Energy
Donna Jarosz	Transco products Inc.
Bernie Jwaszewski	Vermont Yankee
Juan M. Cajigas	AAC
Jerry Sims	Southern Company
Patrick Bennett	Amergen TMI
John Arbuckle	Energy Northwest WNP-2
Ronald Vazquies	Pennsylvania Power and Light
Robert Beilke	Nebraska Public Power District
Roger Walker	TXU Energy
John Meyer	TXU Energy
Michael McVean	TXU/NEI
Fred Madden	STARS
Jay Lee	NRC/DSSA/SPSB
Jerry Gryczkowski	Calvert Cliffs
John Wynn	Calvert Cliffs
Steven P. Schultz	Duke Energy
John W. Cotton	Entergy
Syed Ahmed	Dominion Generation
Jerry Kloecker	Virginia Power
Kris Parczewski	NRR/DE/EMCB
Ed Forrest	LIS
Dave Studley	SCIENTECH
Rich Barrett	NRR/DSSA/SPSB
John Hayes	NRR/DSSA/SPSB
Mark Reinhart	NRC/DSSA/SPSB
Michelle Hart	NRC/DSSA/SPSB
Leta Brown	NRC/DSSA/SPSB
Mark Blumberg	NRC/DSSA/SPSB
Hal Walker	NRR/DSSA/SPSB
Joseph Birmingham	NRR/DRIP/RGEB
Steve LaVie	NRC/DSSA/SPSB
Jim Bongarra	NRC/DIPM/IOLB