

May 23, 2007

MEMORANDUM TO: Mirela Gavrilas, Chief
Safety Margins Branch
New Reactors and Computational Analysis
Division of Risk Assessment and Special Projects
Office of Nuclear Regulatory Research

FROM: James Han, Project Manager */RA/*
Safety Margins Branch
New Reactors and Computational Analysis
Division of Risk Assessment and Special Projects
Office of Nuclear Regulatory Research

SUBJECT: SUMMARY OF CATEGORY 2 PUBLIC MEETING WITH THE
ELECTRIC POWER RESEARCH INSTITUTE (EPRI) ON
FAILURE TIMING OF REACTOR COOLANT SYSTEM
COMPONENTS DURING A PWR SEVERE ACCIDENT

NRC and EPRI staff conducted a public meeting on May 15, 2007, at the EPRI Washington Office on the behavior and failure timing of the reactor coolant system (RCS) components including steam generator tubes in a 4-loop pressurized water reactor (PWR) during a station blackout-initiated severe accident. The purpose of the meeting was to exchange technical information between the NRC and EPRI, including the discussion of EPRI comments on two draft NRC reports (publically available in the ADAMS library as ML070220062 and ML070220056).

Enclosed are the meeting agenda, the attendees list, and presentation handouts (publically available in the ADAMS library as ML071340173). The meeting was attended by NRC staff and ISL contractor, EPRI staff and contractors, industry representatives, Union of Concerned Scientist, and Greenpeace. The meeting has accomplished its purpose and enhanced our understanding of modeling differences between the NRC and EPRI analyses. Further interactions with EPRI are recommended.

cc: F. Rahn, EPRI

Enclosures:

1. Meeting Agenda
2. Attendees List
3. Presentations

CONTACT: James T. Han, RES/DRASP
301-415-6773

May 23, 2007

MEMORANDUM TO: Mirela Gavrilas, Chief
Safety Margins Branch
New Reactors and Computational Analysis
Division of Risk Assessment and Special Projects
Office of Nuclear Regulatory Research

FROM: James Han, Project Manager /RA/
Safety Margins Branch
New Reactors and Computational Analysis
Division of Risk Assessment and Special Projects
Office of Nuclear Regulatory Research

SUBJECT: SUMMARY OF CATEGORY 2 PUBLIC MEETING WITH THE
ELECTRIC POWER RESEARCH INSTITUTE (EPRI) ON
FAILURE TIMING OF REACTOR COOLANT SYSTEM
COMPONENTS DURING A PWR SEVERE ACCIDENT

NRC and EPRI staff conducted a public meeting on May 15, 2007, at the EPRI Washington Office on the behavior and failure timing of the reactor coolant system (RCS) components including steam generator tubes in a 4-loop pressurized water reactor (PWR) during a station blackout-initiated severe accident. The purpose of the meeting was to exchange technical information between the NRC and EPRI, including the discussion of EPRI comments on two draft NRC reports (publically available in the ADAMS library as ML070220062 and ML070220056).

Enclosed are the meeting agenda, the attendees list, and presentation handouts (publically available in the ADAMS library as ML071340173). The meeting was attended by NRC staff and ISL contractor, EPRI staff and contractors, industry representatives, Union of Concerned Scientist, and Greenpeace. The meeting has accomplished its purpose and enhanced our understanding of modeling differences between the NRC and EPRI analyses. Further interactions with EPRI are recommended.

cc: F. Rahn, EPRI

Enclosures:

1. Meeting Agenda
2. Attendees List
3. Presentations

CONTACT: James T. Han, RES/DRASP
301-415-6773

Distribution: NRCA R/F DRASP R/F

G:\DRASP\NRCA\Han\epri-nrc public mtg summary.5-15-07.wpd

OAD in ADAMS? (Y or N) Y ADAMS ACCESSION NO.: ML 071430206 TEMPLATE NO. RES-006
Publicly Available? (Y or N) Y DATE OF RELEASE TO PUBLIC: SENSITIVE? N

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" =

No copy

OFFICE	SMB	C:SMB
NAME	J. Han:mb	M. Gavrilas
DATE	5/23/07	5/23 /07

**ERPI/NRC Technical Meeting
On Steam Generator Tube Rupture
During A PWR Severe Accident
(Public Meeting)
Electric Power Research Institute Washington Office
2000 L Street, NW Ste. 805
Washington, DC 20036**

May 15, 2007

11:00	Introduction and Welcome	F.Rahn, EPRI
11:05	Background/Purpose/Desired Outcome	J. Han, NRC
11:10	EPRI Presentation	M.Kenton, Erigo
	- Creep Rupture	
	- SGTR Failure Mode	
	- Thermal-Hydraulic Modeling	
	- Inlet Plenum Mixing	
12:00	Working Lunch (overlap EPRI presentation)	
12:30	SCDAP/RELAP5 Results	D.Fletcher, ISL
1:30	FLUENT Results	C. Boyd, NRC
2:20	Break	
2:30	Failure Mode/Timing of RCS Components during a Severe Accident	S.Majumdar, ANL
3:10	Open Discussion	EPRI/NRC/MUG
4:00	Public Comments and Questions	
5:00	Adjourn	