

September 11, 2003

MEMORANDUM TO: Laura A. Dudes, Chief
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

FROM: Joelle L. Starefos, Project Manager */RA/*
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

SUBJECT: JULY 29, 2003, AP1000 TELEPHONE CONFERENCE CALL SUMMARY

On Tuesday, July 29, 2003, a telephone conference call was held with Westinghouse Electric Company (Westinghouse) representatives and Nuclear Regulatory Commission (NRC) staff to discuss AP1000 containment sump issues. The NRC staff has four unresolved draft safety evaluation report (DSER) open items associated with containment sumps: 6.2.1.8.2-1, 6.2.1.8.3-1, 6.2.1.8.3-2, and 6.2.1.8.3-3. Westinghouse submitted responses to these RAIs on June 23, 2003 (ADAMS Accession No. ML031760598). A list of call participants is included in Attachment 1.

The following is a brief summary of the discussions regarding identified topics:

Westinghouse Calculation

Westinghouse acknowledged the need to review their sump strainer blockage calculation. Westinghouse indicated that they have acquired a copy of the BLOCKAGE code that NRC uses, and have a copy of NRC NUREG/CR-6224, "Parametric Study of the Potential for BWR ECCS Strainer Blockage Due to LOCA Generated Debris." Westinghouse indicated plans to do some reevaluation of their calculations.

The NRC staff noted that the particulate to fiber test ratio is equal to one in the Westinghouse calculation. The staff questioned what the results would show if the value was varied. Westinghouse indicated that they tried to consider a worst case scenario that all the fibers would make it to the sump screen. However, Westinghouse stated that they would look at varying the ratio value for sensitivity of all fibers not making it to the screen.

Types of Fibers

The NRC staff questioned the basis for the type of debris that Westinghouse was using in their evaluation.

L. Dudes

- 2 -

Westinghouse indicated that the industry was taking some samples and that they would look at a couple of different types of fibers.

Trapping in Containment

Westinghouse indicated that they would take credit for non-participating debris.

The NRC staff indicated that this sounded like a reasonable approach.

Docket No. 52-006

L. Dudes

- 2 -

Westinghouse indicated that the industry was taking some samples and that they would look at a couple of different types of fibers.

Trapping in Containment

Westinghouse indicated that they would take credit for non-participating debris.

The NRC staff indicated that this sounded like a reasonable approach.

Docket No. 52-006

Distribution:

Hard Copy

NRLPO R/F

JLyons

LDudes

JStarefos

E-mail

PUBLIC

JSegala

JLehning

RArchitzel

DMatthews

JColaccino

SWeerakkody

JMoore, OGC

JStarefos

RWeisman, OGC

ACCESSION NUMBER: ML032390728

OFFICE	NRLPO:PM	SPLB:SC	NRLPO:SC
NAME	JStarefos:cn	SWeerakkody	LDudes
DATE	8/28/2003	9/10/2003	9/11/2003

OFFICIAL RECORD COPY

JULY 29, 2003
TELEPHONE CONFERENCE CALL SUMMARY
LIST OF PARTICIPANTS

Nuclear Regulatory Commission

Joelle Starefos
John Lehning

Westinghouse

Rick Anderson
Tim Andrejchek
Mike Corletti
Ed Cummins

AP 1000

cc:

Mr. W. Edward Cummins
AP600 and AP1000 Projects
Westinghouse Electric Company
P.O. Box 355
Pittsburgh, PA 15230-0355

Mr. H. A. Sepp
Westinghouse Electric Company
P.O. Box 355
Pittsburgh, PA 15230

Lynn Connor
Doc-Search Associates
2211 SW 1ST Ave - #1502
Portland, OR 97201

Barton Z. Cowan, Esq.
Eckert Seamans Cherin & Mellott, LLC
600 Grant Street 44th Floor
Pittsburgh, PA 15219

Mr. Ed Rodwell, Manager
Advanced Nuclear Plants' Systems
Electric Power Research Institute
3412 Hillview Avenue
Palo Alto, CA 94304-1395

Charles Brinkman, Director
Washington Operations
Westinghouse Electric Company
12300 Twinbrook Parkway, Suite 330
Rockville, MD 20852

Mr. R. Simard
Nuclear Energy Institute
1776 I Street NW
Suite 400
Washington, DC 20006

Mr. Thomas P. Miller
U.S. Department of Energy
Headquarters - Germantown
19901 Germantown Road
Germantown, MD 20874-1290

Mr. David Lochbaum
Nuclear Safety Engineer
Union of Concerned Scientists
1707 H Street NW, Suite 600
Washington, DC 20006-3919

Mr. Paul Gunter
Nuclear Information & Resource Service
1424 16th Street, NW., Suite 404
Washington, DC 20036

Mr. Tom Clements
6703 Guide Avenue
Takoma Park, MD 20912

Mr. James Riccio
Greenpeace
702 H Street, NW, Suite 300
Washington, DC 20001

Mr. James F. Mallay, Director
Regulatory Affairs
FRAMATOME, ANP
3315 Old Forest Road
Lynchburg, VA 24501

Mr. Ed Wallace, General Manager
Projects
PBMR Pty LTD
PO Box 9396
Centurion 0046
Republic of South Africa

Mr. Vince Langman
Licensing Manager
Atomic Energy of Canada Limited
2251 Speakman Drive
Mississauga, Ontario
Canada L5K 1B2

Mr. Gary Wright, Manager
Office of Nuclear Facility Safety
Illinois Department of Nuclear Safety
1035 Outer Park Drive
Springfield, IL 62704

Dr. Gail H. Marcus
U.S. Department of Energy
Room 5A-143
1000 Independence Ave., SW
Washington, DC 20585

Mr. Paul Leventhal
Nuclear Control Institute
1000 Connecticut Avenue, NW
Suite 410
Washington, DC 20036

Mr. Jack W. Roe
SCIENTECH, INC.
910 Clopper Road
Gaithersburg, MD 20878

Patricia Campbell
Winston & Strawn
1400 L Street, NW
Washington, DC 20005

Mr. David Ritter
Research Associate on Nuclear Energy
Public Citizens Critical Mass Energy
and Environmental Program
215 Pennsylvania Avenue, SE
Washington, DC 20003

Mr. Michael M. Corletti
Passive Plant Projects & Development
AP600 & AP1000 Projects
Westinghouse Electric Company
P. O. Box 355
Pittsburgh, PA 15230-0355