

November 17, 2003

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

FROM: John P. Segala, Senior Project Manager /RA/
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

SUBJECT: AUGUST 19, 2003, AP1000 TELEPHONE CONFERENCE CALL
SUMMARY

On Tuesday, August 19, 2003, a telephone conference call was held with Westinghouse Electric Company (Westinghouse) representatives and Nuclear Regulatory Commission (NRC) staff to discuss containment sump performance issues.

The NRC staff specifically discussed the Westinghouse response to draft safety evaluation report (DSER) open items (OIs) 6.2.1.8.2-1, 6.2.1.8.3-1, and 6.2.1.8.3-3. Westinghouse submitted responses to these open items on June 23, 2003, and August 13, 2003 (ADAMS Accession Nos. ML031760598 and ML032270390, respectively). A list of call participants is included in Attachment 1.

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

OIs 6.2.1.8.2-1, 6.2.1.8.3-1, and 6.2.1.8.3-3:

OIs 6.2.1.8.2-1, 6.2.1.8.3-1, and 6.2.1.8.3-3 are related to the potential for debris blockage in the in-containment refueling water storage tank (IRWST) screens, in a debris bed located in the reactor core, and in the containment recirculation screens, respectively.

As a result of the NRC staff's audit of Westinghouse's sump blockage calculations, the staff discussed questions regarding differences between the Westinghouse's calculations and the staff's independent calculations.

Specifically, the staff ask Westinghouse to provide the basis for Westinghouse's specific surface area assumption for paint debris. Westinghouse stated that the AP1000 design utilizes qualified paint coatings. Westinghouse also stated that they chose the default specific surface area value for paint provided in NRC's sump blockage code. The staff stated that the default

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value may not be representative or conservative. The staff indicated that they plan to discuss the basis for the default value with the developer of the blockage code.

Docket No. 52-006

Attachment: As stated

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Docket No. 52-006

Attachment: As stated

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JMoore, OGC

RWeisman, OGC

JLehning

RArchitzel

DCullison

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OFFICE	RNRP:PM	SPSB:SC	RNRP:SC
NAME	JSegala	SWeerakkody	LDudes
DATE	11/6/03	11/10/03	11/14/03

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AUGUST 19, 2003
TELEPHONE CONFERENCE CALLS SUMMARY
LIST OF PARTICIPANTS

Nuclear Regulatory Commission

J. Lehning
J. Segala

Westinghouse

M. Corletti
T. Shultz
T. Andreychek

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. Ronald P. Vijuk
Manager of Passive Plant Engineering
AP1000 Project
Westinghouse Electric Company
P. O. Box 355
Pittsburgh, PA 15230-0355