

September 25, 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: 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 AP1000 inspections, tests, analyses, and acceptance criteria (ITAAC) in the Tier 1 portion of the AP1000 design control document (DCD). The NRC staff specifically discussed the Westinghouse response to draft safety evaluation report (DSER) open item (OI) 14.3.2-12. Westinghouse submitted responses to this open item on July 7, and August 1, 2003 (ADAMS Accession Nos. ML031920218 and ML032170861, respectively). A list of call participants is included in Attachment 1.

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

Discussion of DSER OI 14.3.2-12 applicant response Revision 1, page 3, paragraph beginning "Many ITAAC are only a reference to another Tier 1 location..."

The proposed change to the DCD submitted in the response to OI 14.3.2-12 revision 1, stated that a reference to other Tier 1 Material (ITAAC) is an indication that the acceptance criteria for that design commitment are satisfied when the acceptance criteria for all of the referenced Tier 1 sections, subsections, or table entries are satisfied. The NRC staff was satisfied with the explanation with respect to the "Acceptance Criteria" column of the ITAAC; however, the staff noted that the explanation did not explicitly address a similar case with respect to the "Inspections, Tests, Analyses" column of the ITAAC. The staff requested that Westinghouse provide an additional explanation to address the "Inspections, Tests, Analyses" column of the ITAAC.

Westinghouse acknowledged the comment and stated that they would revise the open item response and DCD.

Discussion of DSER OI 14.3.2-12 applicant response Revision 1, page 3, paragraph beginning "Many of the acceptance criteria include the words 'A report exists...'"

The NRC staff and Westinghouse had a discussion of the use of "A report exists..." in different applications throughout the ITAAC portion of the DCD. Specific examples that were noted:

- DCD page 2.1.2-22, Revision 0, Design Commitment 6, in the staff's view, the Acceptance Criteria for this design commitment was a model for the use of "a report exists" in that it described the type of report and what the report would conclude; and
- DCD page 2.1.2-20, Revision 0, Design Commitment 2a and 2b, it was noted by the staff that, in this example, the Acceptance Criteria did not identify what the report would conclude as compared with Design Commitment 3a.

Although the NRC staff did not request a change, it suggested that Westinghouse ensure that these types of acceptance criteria will be clearly understood.

The NRC staff and Westinghouse also discussed the use of the phrase "Inspection will be performed for the existence of a report..." in some Inspections, Tests, Analyses columns in the ITAAC portion of the DCD. For example:

- DCD page 2.1.2-21, Revision 0, Design Commitment 5a and 5b

The NRC staff was concerned that the phrase did not correctly state what the licensee would do to demonstrate that the design commitment was met. Rather than inspecting for a report, the licensee would perform an analysis that is documented in a report. Westinghouse indicated that they would review the use of this phrase, take the staff's comments under advisement, and address this in the open item response.

Discussion of DSER OI 14.3.2-12 applicant response Revision 1, page 3, paragraph beginning "Many of the acceptance criteria include the words 'A report exists...'"

The NRC staff and Westinghouse had a discussion of the use of "A report exists..." in different applications throughout the ITAAC portion of the DCD. Specific examples that were noted:

- DCD page 2.1.2-22, Revision 0, Design Commitment 6, in the staff's view, the Acceptance Criteria for this design commitment was a model for the use of "a report exists" in that it described the type of report and what the report would conclude; and
- DCD page 2.1.2-20, Revision 0, Design Commitment 2a and 2b, it was noted by the staff that, in this example, the Acceptance Criteria did not identify what the report would conclude as compared with Design Commitment 3a.

Although the NRC staff did not request a change, it suggested that Westinghouse ensure that these types of acceptance criteria will be clearly understood.

The NRC staff and Westinghouse also discussed the use of the phrase "Inspection will be performed for the existence of a report..." in some Inspections, Tests, Analyses columns in the ITAAC portion of the DCD. For example:

- DCD page 2.1.2-21, Revision 0, Design Commitment 5a and 5b

The NRC staff was concerned that the phrase did not correctly state what the licensee would do to demonstrate that the design commitment was met. Rather than inspecting for a report, the licensee would perform an analysis that is documented in a report. Westinghouse indicated that they would review the use of this phrase, take the staff's comments under advisement, and address this in the open item response.

Docket No. 52-006

Distribution:

Hard Copy

RNRP:NRS R/F

JLyons

LDudes

JStarefos

E-mail

PUBLIC

JSegala

JWilson

DMatthews

JColaccino

RWeisman, OGC

JMoore, OGC

JStarefos

ACCESSION NUMBER: ML032410146

OFFICE	RNRP:PM	RNRP:SPA	RNRP:SC
NAME	JStarefos	JWilson	LDudes
DATE	9/24/2003	9/24/2003	9/24/2003

**OFFICIAL RECORD COPY**

AUGUST 19, 2003  
TELEPHONE CONFERENCE CALL SUMMARY  
LIST OF PARTICIPANTS

Nuclear Regulatory Commission

Joelle Starefos  
Jerry Wilson

Westinghouse

Mike Corletti  
Tom Hayes

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 1<sup>ST</sup> Ave - #1502  
Portland, OR 97201

Barton Z. Cowan, Esq.  
Eckert Seamans Cherin & Mellott, LLC  
600 Grant Street 44<sup>th</sup> 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