



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

October 3, 1995

APPLICANT: Westinghouse Electric Corporation
PROJECT: AP600
SUBJECT: SUMMARY OF TELEPHONE CONFERENCE TO DISCUSS AP600 DESIGN ISSUES INVOLVING THE AIR SYSTEMS

The subject telephone conference was held on September 18, 1995, between representatives of Westinghouse Electric Corporation and the Nuclear Regulatory Commission (NRC) staff. The purpose of the meeting was to discuss several draft safety evaluation report (DSER) open items (OI) in SSAR Chapter 9. Don Lindgren, Don Hutchings, Mark Wills, Nelson Thompson (Southern Company), and Randy Cheatwood (Southern Company) represented Westinghouse and Jim Lyons, John Segala and Diane Jackson represented the NRC. A discussion sheet was faxed to Westinghouse on September 5, 1995. Attachment 1 is the discussion sheet that lists the open items needed to be discussed from the Plant Systems Branch. In this teleconference, only items from Section 9.3.1 and additional reviewer questions were discussed.

The status of the open items that were discussed in the telephone conference are detailed below:

OI DSER

<u>No.</u>	<u>OI No.</u>	<u>Status and Action detail</u>
236	9.3.1	Resolved - The reviewer noted that two valves in the RAI response, cation bed demineralizer isolation and bypass valves, were not included in the SSAR Table 9.3.1-1. Westinghouse stated these valves were not included because they were not in the safety related portion of the system.
237	9.3.1	Reviewer's additional questions a-h are related to this item: a. Action W - Westinghouse explained the removal of the emergency air bottles were due to a design change. The breathing air subsystem function was changed to be a function of the service air subsystem. Westinghouse will discuss in the SSAR how carbon monoxide removal is accomplished. b. Action W - Westinghouse will remove the phrase "or are provided with safety-related air accumulators to provide air supply for the safety-related function" in SSAR 9.3.1.3 and will add a statement in SSAR 9.3.2 that

9510050248 951003
PDR ADOCK 05200003
A PDR

NRC FILE CENTER COPY

two safety related valves, Main Steam Isolation Valve (MSIV) and Main feedwater Isolation Valve (MFIV), are nitrogen operated.

- c. Resolved - Westinghouse explained that both systems met the OSHA minimum standard, Level D. It was the choice of Westinghouse to upgrade the high-pressure air subsystem.
- d. Action W - Westinghouse will describe in SSAR 9.3.1.2.3 how the air purification system performs its function.
- e. Resolved - Westinghouse described the piping and valves that protect the VES emergency air bottles.
- f. Resolved - Westinghouse explained that the service air and high pressure air subsystems do not have two 100 percent capacity compressors. They pointed the reviewer to section 9.3.1.2.3 which describes the operation of the compressors.
- g. Resolved - Westinghouse explained that EPRI's Utilities Requirements Document (URD) requirements had changed subsequent to the RAI response which allowed Westinghouse to change the design of the air systems.
- h. Action W - Westinghouse will clarify the SSAR (9.3.1.1.2, 9.3.1 and where appropriate) to state the service and instrument air subsystems use oil free compressors, the high pressure air subsystem uses an oil-lubed compressor, and that all the supplied air is oil free.

239 9.3.1

Action W -

- 1. Resolved
- 2. Resolved
- 3. Resolved
- 4. Action W - Westinghouse will discuss MSIV and MFIV in SSAR 9.3.2, Plant Gas System section
- 5. Resolved

243 9.3.1

Action W - Westinghouse will revise figures in Chapter 10 to show that the MSIV and MFIV are nitrogen operated valves. Westinghouse will revise SSAR 9.3.2.2.1 to state that the MSIV and MFIV are nitrogen operated valves.

October 3, 1995

244 9.3.1 Action W - Westinghouse will revise Chapter 14 to include preoperational testing of the instrument air system in accordance with Regulatory Guide 1.68.3. Also, Westinghouse will revise sentence in SSAR Section 9.3.1.4 to state "upon a complete and sudden loss of instrument air and upon a gradual loss of instrument air pressure".

245 9.3.1 Closed - Due to a design change this item is no longer a concern.

1094 9.3.1 Action W

New open item from telephone conference:

Action W - Westinghouse will update Table 6.2.3-1 to state that the two containment penetrations are for the 2-inch service air and instrument air lines.

Original signed by

Diane T. Jackson, Project Manager
Standardization Project Directorate
Division of Reactor Program Management
Office Of Nuclear Reactor Regulation

Docket No. 52-003

Attachment: As stated

cc w/attachment:
See next page

DISTRIBUTION:

Docket File	PDST R/F	WRussell/FMiraglia. 0-12 G18
PUBLIC	RZimmerman	DCrutchfield
BGrimes	TQuay	RArchitzel
TKenyon	WHuffman	DJackson
MFranovich	JMoore, 0-15 B18	JSegala, 0-8 D1
JLyons, 0-8 D1	ACRS (11)	WDean, 0-17 G21
EJordan, T-4 D18		

DOCUMENT NAME: A: SEP18TEL

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	PM:PDST:DRPM	<input checked="" type="checkbox"/> DSSA	<input checked="" type="checkbox"/> SC:PDST:DRPM			
NAME	DJackson:sg	JSegala	RArchitzel			
DATE	10/02/95	10/02/95	10/3/95			

050024

DF03

Westinghouse Electric Corporation

Docket No. 52-003

cc: Mr. Nicholas J. Liparulo, Manager
Nuclear Safety and Regulatory Analysis
Nuclear and Advanced Technology Division
Westinghouse Electric Corporation
P.O. Box 355
Pittsburgh, PA 15230

Mr. B. A. McIntyre
Advanced Plant Safety & Licensing
Westinghouse Electric Corporation
Energy Systems Business Unit
Box 355
Pittsburgh, PA 15230

Mr. John C. Butler
Advanced Plant Safety & Licensing
Westinghouse Electric Corporation
Energy Systems Business Unit
Box 355
Pittsburgh, PA 15230

Mr. M. D. Beaumont
Nuclear and Advanced Technology Division
Westinghouse Electric Corporation
One Montrose Metro
11921 Rockville Pike
Suite 350
Rockville, MD 20852

Mr. Sterling Franks
U.S. Department of Energy
NE-42
Washington, DC 20585

Mr. S. M. Modro
EG&G Idaho Inc.
Post Office Box 1625
Idaho Falls, ID 83415

Mr. Charles Thompson, Nuclear Engineer
AP600 Certification
U.S. Department of Energy
NE-451
Washington, DC 20585

Mr. Frank A. Ross
U.S. Department of Energy, NE-42
Office of LWR Safety and Technology
19901 Germantown Road
Germantown, MD 20874

Mr. Ronald Simard, Director
Advanced Reactor Program
Nuclear Energy Institute
1776 Eye Street, N.W.
Suite 300
Washington, DC 20006-3706

STS, Inc.
Ms. Lynn Connor
Suite 610
3 Metro Center
Bethesda, MD 20814

Mr. James E. Quinn, Projects Manager
LMR and SBWR Programs
GE Nuclear Energy
175 Curtner Avenue, M/C 165
San Jose, CA 95125

Mr. John E. Leatherman, Manager
SBWR Design Certification
GE Nuclear Energy, M/C 781
San Jose, CA 95125

Barton Z. Cowan, Esq.
Eckert Seamans Cherin & Mellott
600 Grant Street 42nd Floor
Pittsburgh, PA 15219

Mr. Ed Rodwell, Manager
PWR Design Certification
Electric Power Research Institute
3412 Hillview Avenue
Palo Alto, CA 94303