

May 7, 2003

MEMORANDUM TO: Marsha Gamberoni, Deputy Director
New Reactor Licensing Project Office
Office of Nuclear Reactor Regulation

FROM: John P. Segala, Project Manager **/RA/**
New Reactor Licensing Project Office
Office of Nuclear Reactor Regulation

SUBJECT: APRIL 9, 2003, AP1000 TELEPHONE CONFERENCE CALL SUMMARY

On Wednesday, April 9, 2003, a telephone conference call was held with Westinghouse Electric Company (Westinghouse) representatives and Nuclear Regulatory Commission (NRC) staff to discuss AP1000 Request for Additional Information (RAI) 472.003. Westinghouse submitted a response to this RAI on October 2, 2002 (ADAMS Accession No. ML022810450). A list of call participants is included in Attachment 1. Attachment 2 contains NRC staff comments regarding the subject RAI that were sent to Mr. Michael Corletti of Westinghouse via electronic mail on April 8, 2003, and were used to facilitate discussions during the telephone conference call.

The following is a brief summary of the discussions regarding the identified RAI (see comments in Attachment 2):

RAI 472.003

The NRC staff discussed their comments regarding the habitability requirements of the technical support center (TSC), the conditions under which the TSC is habitable, and the physical location of the emergency offsite facility (EOF). Westinghouse understood the staff's comments and agreed to revise the RAI response.

Docket No. 52-006

Attachments: As stated

cc w/atts: See next page

May 7, 2003

MEMORANDUM TO: Marsha Gamberoni, Deputy Director
New Reactor Licensing Project Office
Office of Nuclear Reactor Regulation

FROM: John P. Segala, Project Manager /RA/
New Reactor Licensing Project Office
Office of Nuclear Reactor Regulation

SUBJECT: APRIL 9, 2003, AP1000 TELEPHONE CONFERENCE CALL SUMMARY

On Wednesday, April 9, 2003, a telephone conference call was held with Westinghouse Electric Company (Westinghouse) representatives and Nuclear Regulatory Commission (NRC) staff to discuss AP1000 Request for Additional Information (RAI) 472.003. Westinghouse submitted a response to this RAI on October 2, 2002 (ADAMS Accession No. ML022810450). A list of call participants is included in Attachment 1. Attachment 2 contains NRC staff comments regarding the subject RAI that were sent to Mr. Michael Corletti of Westinghouse via electronic mail on April 8, 2003, and were used to facilitate discussions during the telephone conference call.

The following is a brief summary of the discussions regarding the identified RAI (see comments in Attachment 2):

RAI 472.003

The NRC staff discussed their comments regarding the habitability requirements of the technical support center (TSC), the conditions under which the TSC is habitable, and the physical location of the emergency offsite facility (EOF). Westinghouse understood the staff's comments and agreed to revise the RAI response.

Docket No. 52-006

Attachments: As stated

cc w/atts: See next page

Distribution:

Hard Copy

NRLPO R/F

JLyons

MGamberoni

JSegala

E-mail

PUBLIC

RBorchardt

JMoore, OGC

RWeisman, OGC

BMusico

DBarss

JSegala

JColaccino

JStarefos

*See previous concurrence

ACCESSION NUMBER: ML031210588

OFFICE	NRLPO/PM	IEHB/SC*	NRLPO/DD
NAME	JSegala	KGibson	MGamberoni
DATE	5/7/03	5/5/03	5/7/03

OFFICIAL RECORD COPY

APRIL 9, 2003
TELEPHONE CONFERENCE CALL SUMMARY
LIST OF PARTICIPANTS

Nuclear Regulatory Commission

John Segala
Bruce Musico
Dan Barss

Westinghouse

Mike Corletti
Don Hutchings
Jim Winters

NUCLEAR REGULATORY COMMISSION STAFF COMMENTS
THAT WERE SENT TO WESTINGHOUSE TO FACILITATE DISCUSSIONS
OF THE REQUEST FOR ADDITIONAL INFORMATION (RAI)
RESPONSES FOR CALL HELD ON APRIL 9, 2003

RAI 472.003

The staff has reviewed your response to RAI 472.003 dealing with technical support center (TSC) ventilation (i.e., habitability). The response referred to the Design Control Document (DCD) sections that covered TSC ventilation and habitability. While this answered the specific RAI question, it did not address apparent incorrect statements and inconsistencies in the system design, or the justification for relocation of the TSC function to the emergency offsite facility (EOF) rather than to the main control room (MCR). Below are two questions pertaining to DCD Section 18.8.3.5, and an additional question pertaining to the use of the EOF when the TSC becomes uninhabitable:

1. DCD Section 18.8.3.5 states that "Consistent with NUREG 0737 . . . the technical support center has no emergency habitability requirements." In accordance with NUREG-0737, the TSC is a "vital area" and should comply with the radiological habitability requirements of General Design Criteria (GDC) 19 for the duration of an accident. Please provide justification for why the TSC has no emergency habitability requirements.
2. DCD Section 18.8.3.5 states (in italics) that "The TSC complies with the habitability requirements of Reference 27 [i.e., Supplement 1 to NUREG-0737] when electrical power is available." First, Supplement 1 requires the same radiological habitability requirements as GDC 19, and thus, this statement contradicts (1) above; and second, the reference to "when electrical power is available" is but one, of two triggering events that would automatically isolate the Main Control Room from the TSC. The second trigger is "High-high" particulate or iodine radioactivity in MCR air supply" (see DCD Section 6.4.4, page 6.4-9). Please provide justification for the inconsistencies.
3. In the event a relocation of the TSC to the EOF is allowed, rather than to the MCR (as required by NUREG-0696 guidance), how will the physical location of the EOF be addressed as it relates to TSC support functions? There is currently a trend of utilities attempting to consolidate their EOFs for multiple plants. The physical location aspect is not addressed in the DCD, including whether the NRC would allow it. The implication is that the EOF could be anywhere, and as such, the transferred TSC functions could be anywhere.

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
Project Management
Lake Buena Vista Bldg., 3rd Floor
1267 Gordon Hood Avenue
Centurion 0046
Republic of South Africa
PO Box 9396 Centurion 0046

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. Edwin Lyman
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