

June 20, 1997

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

SUBJECT: COMPARISON OF THE AP600 DESIGN AGAINST THE ELECTRIC POWER RESEARCH  
INSTITUTE'S (EPRI's) ADVANCED LIGHT WATER REACTOR (ALWR) UTILITY  
REQUIREMENTS DOCUMENT (URD) FOR PASSIVE DESIGNS

Dear Mr. Liparulo:

In its December 15, 1989, staff requirements memorandum, the Commission directed the staff to highlight those areas where the resolution of issues for a final design approval/design certification application is different than the resolution proposed in the EPRI's ALWR URD. In a letter dated September 23, 1992, the staff requested Westinghouse (Q100.1) to provide such a comparison between the AP600 design, including the probabilistic risk assessment (PRA), and the EPRI URD for passive ALWRs. In its letter dated December 15, 1992, Westinghouse submitted a comparison of the AP600 design with Revision 3 of Volume III of the URD.

Since that last response, the staff completed its review of the EPRI URD through Revisions 4 and 5 (depending on the chapter), as modified by the letters listed in the enclosure, and issued the results of its evaluation in NUREG-1242, "NRC Review of EPRI's ALWR URD - Passive Plant Designs," dated August 1994. Accordingly, the staff requests that Westinghouse provide an update to its December 15, 1992, submittal, providing a comparison of the AP600 design, including the PRA, to the NRC-reviewed version of the EPRI URD for passive plants. Note that Revision 6 to the URD for passive plants was expected to only incorporate the letters referenced in the enclosure. However, some changes in subsequent revisions to the URD may not have been reviewed by the staff. Compliance of the AP600 with these unreviewed changes should be treated as deviations from the NRC-reviewed URD.

We request that the update be provided in a time frame to support the review schedule of the AP600 design. If you have any questions concerning this matter, contact Thomas Kenyon at (301) 415-1120.

Sincerely,

original signed by:

Marylee M. Slosson, Acting Director  
Division of Reactor Program Management  
Office of Nuclear Reactor Regulation

Docket No. 52-003

Enclosure: As stated

cc w/enclosure: See next page

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Mr. Nicholas J. Liparulo  
Westinghouse Electric Corporation

Docket No. 52-003  
AP600

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

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

Mr. Cindy L. Haag  
Advanced Plant Safety & Licensing  
Westinghouse Electric Corporation  
Energy Systems Business Unit  
Box 355  
Pittsburgh, PA 15230

Ms. Lynn Connor  
Doc-Search Associates  
Post Office Box 34  
Cabin John, MD 20818

Mr. S. M. Modro  
Nuclear Systems Analysis Technologies  
Lockheed Idaho Technologies Company  
Post Office Box 1625  
Idaho Falls, ID 83415

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

Mr. Sterling Franks  
U.S. Department of Energy  
NE-50  
19901 Germantown Road  
Germantown, MD 20874

Mr. Robert H. Buchholz  
GE Nuclear Energy  
175 Curtner Avenue, MC-781  
San Jose, CA 95125

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

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

Mr. Charles Thompson, Nuclear Engineer  
AP600 Certification  
NE-50  
19901 Germantown Road  
Germantown, MD 20874

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

NRC-Reviewed Chapters of the  
EPRI Utility Requirements Document  
(NUREG-1242)

<u>Chapter</u>	<u>Revision</u>	<u>Referenced Letters</u>
1	5	-
1, Appendix A	4	4/5/93 4/23/93 5/3/93 6/7/93 6/8/93
1, Appendix B	5	-
2	5	-
3	5	-
4	5	-
5	5	6/8/93 (2 letters)
6	5	-
7	5	-
8	5	-
9	4	-
10	5	-
11	5	-
12	5	-
13	5	-

Enclosure

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