



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

January 27, 1994

Docket No. 52-003

Mr. Nicholas J. Liparulo
Nuclear Safety and Regulatory Activities
Westinghouse Electric Corporation
P.O. Box 355
Pittsburgh, Pennsylvania 15230

Dear Mr. Liparulo:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON THE AP600

As a result of its review of your August 18 and October 27, 1993, responses to Q952.1^{*}, the staff has determined that it needs additional information in order to complete its update of the RELAP5 plant deck for the AP600. Enclosed are the staff's questions. Please refer to Q952.1 when providing this information.

You have requested that portions of the information submitted in the June 1992, application for design certification be exempt from mandatory public disclosure. While the staff has not completed its review of your request in accordance with the requirements of 10 CFR 2.790, that portion of the submitted information is being withheld from public disclosure pending the staff's final determination. The staff concludes that this request for additional information does not contain those portions of the information for which exemption is sought. However, the staff will withhold this letter from public disclosure for 30 calendar days from the date of this letter to allow Westinghouse the opportunity to verify the staff's conclusions. If, after that time, you do not request that all or portions of the information in the enclosures be withheld from public disclosure in accordance with 10 CFR 2.790, this letter will be placed in the NRC's Public Document Room.

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^{*}The number designates the tracking number assigned to this question.

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Mr. Nicholas J. Liparulo

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This request for additional information affects nine or fewer respondents, and therefore is not subject to review by the Office of Management and Budget under P.L. 96-511.

If you have any questions regarding this matter, you can contact me at (301) 504-1120.

Sincerely,

Original Signed By:

Thomas J. Kenyon, Project Manager
Standardization Project Directorate
Associate Director for Advanced Reactors
and License Renewal
Office of Nuclear Reactor Regulation

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

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REQUEST FOR ADDITIONAL INFORMATION
PERTAINING TO Q952.1
ON THE AP600

1. The information provided for the pressure balance line (PBL) from the pressurizer to CMT is incomplete for the short angled run upstream of the pressurizer. Provide piping diagrams in a plan view from the reactor vessel center line to the west, and show the PBL piping from the reactor vessel center line to the pressurizer.
2. Provide the following information:

Steam Generator

- a. Hydraulic diameter at the tube support plates.
- b. Hydraulic diameter at the downcomer annulus obstructions.
- c. Steam drier metal volume.
- d. Inner diameter of the feedwater J-nozzles.
- e. Feedwater line piping diagrams.
- f. Steam line piping diagrams.
- g. Feedwater level control system information.
- h. Turbine stop valve area.
- i. Post-trip T-avg trending information (turbine bypass valve control).

In the interim plant deck developed by the staff's contractor, parameters that were developed from knowledge of the steam generators typical of existing PWRs, and from knowledge of the changes that will be incorporated in the AP600 design were used. Although the NRR interim deck should provide a close approximation of the AP600 design response, no quality assurance for the deck that is traceable to a primary source (i.e., WEC engineering drawings or other documentation of the AP600 specific information) can be established without the requested information.

Other

- j. Normal RHR piping diagrams and pump curves.
- k. CVCS makeup/letdown system information.
- l. Pumps curves, if different from those in the Westinghouse COBRA-TRAC workbook previously transmitted to INEL.
- m. Pressurizer inlet nozzle retaining basket-number of holes (known hole diameter).
- n. PRHR drawing illustrating the configuration and dimensions of the baffle surrounding each tube bundle.
- o. Plot of void versus reactivity for the core.

Enclosure