

June 25, 2002

Mr. W. E. Cummins, Director  
AP600 & AP1000 Projects  
Westinghouse Electric Company  
Post Office Box 355  
Pittsburgh, PA 15230-0355

SUBJECT: ACCEPTANCE OF THE WESTINGHOUSE ELECTRIC COMPANY  
APPLICATION FOR FINAL DESIGN APPROVAL AND STANDARD DESIGN  
CERTIFICATION FOR THE AP1000 DESIGN

Dear Mr. Cummins:

In a letter dated March 28, 2002, the Westinghouse Electric Company (Westinghouse) submitted its application for final design approval under Appendix O to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52 and standard design certification under 10 CFR Part 52 for the AP1000 standard plant design. Westinghouse supplemented its application on April 15, April 30, May 15, and May 31, 2002. The contents of the application and the supplements were made in conformance with the requirements of 10 CFR 52.47, and included: (1) the standard safety analysis report for the design; (2) pilot inspections, tests, analyses, and acceptance criteria (ITAAC); and (3) the probabilistic risk assessment for the design.

In accordance with 10 CFR 2.101, the Nuclear Regulatory Commission staff performed an acceptance review to determine if the AP1000 application was complete. The staff finds that the information provided fulfills the completeness requirements of 10 CFR Part 52 and that Westinghouse's application is considered sufficiently complete to be accepted formally as a docketed application for design certification. The Docket No. established for this application is 52-006. The staff will conduct a detailed review of all application material during its design certification review and will forward requests for additional information to Westinghouse, as necessary.

Enclosed is a copy of the notice relating to the application that will be forwarded to the *Federal Register* for publication.

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If you have any questions or comments concerning this matter, you may contact Mr. Lawrence J. Burkhart, the AP1000 Project Manager, at (301) 415-3053 or [ljb@nrc.gov](mailto:ljb@nrc.gov).

Sincerely,

*/RA/*

James E. Lyons, Director  
New Reactor Licensing Project Office  
Office of Nuclear Reactor Regulation

Docket No. 52-006

Enclosure: As stated

cc w/encl: See next page

June 25, 2002

If you have any questions or comments concerning this matter, you may contact Mr. Lawrence J. Burkhart, the AP1000 Project Manager, at (301) 415-3053 or ljb@nrc.gov.

Sincerely,

**/RA/**

James E. Lyons, Director  
New Reactor Licensing Project Office  
Office of Nuclear Reactor Regulation

Docket No. 52-006

Enclosure: As stated

cc w/encl: See next page

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AP 1000

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UNITED STATES NUCLEAR REGULATORY COMMISSION  
WESTINGHOUSE ELECTRIC COMPANY  
NOTICE OF ACCEPTANCE OF APPLICATION FOR  
FINAL DESIGN APPROVAL AND STANDARD DESIGN CERTIFICATION  
OF THE AP1000 STANDARD PLANT DESIGN  
DOCKET NO. 52-006

Notice is hereby given that the Nuclear Regulatory Commission (NRC, the Commission) has received an application from Westinghouse Electric Company dated March 28, 2002, filed pursuant to Section 103 of the Atomic Energy Act and Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52, for the final design approval and standard design certification of the AP1000 Standard Plant Design. Westinghouse supplemented its application on April 15, April 30, May 15, and May 31, 2002. The application is considered sufficiently complete to be accepted formally as a docketed application for design certification. The Docket No. established for this application is 52-006. A notice relating to the rulemaking pursuant to 10 CFR 52.51 for design certification, including provisions for participation of the public and other parties, will be published in the future.

The AP1000 design is based on the AP600 design, which was certified on December 16, 1999. The AP1000 design is an approximately 1100 megawatt electric pressurized water reactor plant design in which passive safety systems are used for the ultimate safety protection of the plant. All of the safety systems are designed to be passive, where natural forces, such as gravity, natural circulation, and stored energy (in the form of pressurized accumulators and batteries), are used as the motive forces of these systems. The

AP1000 application includes the entire power generation complex, except those elements and features considered site-specific, and is not a modular design in which major components are shared.

A copy of the application is available for public inspection at the Commission's Public Document Room (PDR), located at One White Flint North, 11555 Rockville Pike (first floor), Rockville, Maryland. Publicly available records will be accessible from the Agencywide Documents Access and Management System (ADAMS) Public Electronic Reading Room on the Internet at the NRC Web site, <http://www.nrc.gov/reading-rm/adams.html>. Persons who do not have access to ADAMS or who encounter problems in accessing the documents located in ADAMS, should contact the NRC Public Document Room Reference staff by telephone at 1-800-397-4209, 301-415-4737 or by e-mail to [pdr@nrc.gov](mailto:pdr@nrc.gov).

Dated at Rockville, Maryland this 25<sup>th</sup> day of June 2002.

FOR THE NUCLEAR REGULATORY COMMISSION

*/RA/*

James E. Lyons, Director  
New Reactor Licensing Project Office  
Office of Nuclear Reactor Regulation