March 31, 2000

Mr. Brian A. McIntyre, Manager
Advanced Plant Safety and Licensing
Westinghouse Electric Company
P.O. Box 355
Pittsburgh, PA 15230-0355

SUBJECT: REVISED FINAL DESIGN APPROVAL FOR AP600

Dear Mr. McIntyre:

This letter provides the revised final design approval (FDA) for the AP600 standard plant design issued under Appendix O of 10 CFR Part 52. This FDA allows an applicant to reference the AP600 standard plant design in an application for a construction permit or operating license under 10 CFR Part 50, or an application for a combined license under 10 CFR Part 52. The duration of this FDA conforms with the duration of the AP600 design certification (Appendix C of 10 CFR Part 52). If you have questions on this document, please contact Jerry N. Wilson at 301-415-3145.

Sincerely,

/RA/

Samuel J. Collins, Director
Office of Nuclear Reactor Regulation

Docket No. 52-003

Enclosures:
1. Revised FDA
2. Federal Register Notice

cc: w/enclosures - See next page

March 31, 2000

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Advanced Plant Safety and Licensing
Westinghouse Electric Company
P.O. Box 355
Pittsburgh, PA 15230-0355

SUBJECT: REVISED FINAL DESIGN APPROVAL FOR AP600

Dear Mr. McIntyre:

This letter provides the revised final design approval (FDA) for the AP600 standard plant design issued under Appendix O of 10 CFR Part 52. This FDA allows an applicant to reference the AP600 standard plant design in an application for a construction permit or operating license under 10 CFR Part 50, or an application for a combined license under 10 CFR Part 52. The duration of this FDA conforms with the duration of the AP600 design certification (Appendix C of 10 CFR Part 52). If you have questions on this document, please contact Jerry N. Wilson at 301-415-3145.

Sincerely,
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Samuel J. Collins, Director
Office of Nuclear Reactor Regulation

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DOCUMENT NAME: A:REVISED-FDA.WPD *See previous concurrence

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NAME	JJohnson*		SJCollins*							
DATE	03/30/00		03/31/00		/ /00		/ /00		/ /00	

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DOCKET NO. 52-003

AP600 STANDARD DESIGN

FINAL DESIGN APPROVAL

PURSUANT TO 10 CFR PART 52, APPENDIX O

(1) Westinghouse Electric Company has submitted to the Nuclear Regulatory Commission's (NRC's) staff, for its review, a standardized design for a major portion of a nuclear power facility of the type described in 10 CFR 50.22. Westinghouse's standard plant design is described in the AP600 Design Control Document (DCD), including Revisions 1 through 4 thereto.

(2) The AP600 DCD and its references contain design information required by 10 CFR Part 52, Appendix O, Paragraph 3, for a standard plant design. The AP600 design, whose scope is defined in the AP600 DCD (Tier 2, Section 1.8), is a nuclear power facility with a rated reactor core power level of 1933 megawatts thermal.

(3) The NRC staff and the Advisory Committee on Reactor Safeguards (ACRS) have reviewed the AP600 design. The staff's evaluation of the AP600 design is presented in the Final Safety Evaluation Report (FSER), dated September 1998 (NUREG-1512), and Supplement 1 to NUREG-1512, dated December 1999. The ACRS reported on the application for design certification in letters dated July 23, 1998, and November 12, 1999, respectively, as required by 10 CFR 52.53.

(4) On the basis of its review and the findings reported in the FSER and the supplement thereto, the NRC staff concludes that the information in the AP600 DCD, with respect to the AP600 standard design described in paragraph 2 above, complies with the requirements of 10 CFR Part 52, Appendix O.

(5) The AP600 standard design is acceptable for use as a reference design for construction permit, operating license, and combined license applications for facilities that are located at sites whose characteristics are within the envelope of site parameters given in the AP600 DCD, and in which the out-of-scope portions of the plant that interface with the approved design conform to the interface requirements given in the AP600 DCD.

(6) This Final Design Approval (FDA) and all applications for licenses incorporating it by reference are subject to all applicable provisions of the Atomic Energy Act, as amended, and the rules, regulations, and orders of the Commission now or hereafter in effect. In addition, licensees who reference the AP600 design shall comply with the operational requirements in the AP600 DCD, including the technical specifications and the availability controls in Chapter 16 of the AP600 DCD.

(7) This FDA does not constitute a commitment to issue a permit, a design certification, or a license, or in any way affect the authority of the Commission, the Atomic Safety and Licensing Board, and other presiding officers, in any proceeding pursuant to 10 CFR Part 2.

(8) This FDA is effective on the date it is issued, supersedes previous FDAs for the AP600 standard plant design, and will expire on January 24, 2015, unless the NRC staff extends it. The expiration of this FDA shall not affect its use in applications docketed before such date.

Dated in Rockville, Maryland, this 31st day of March 2000.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/
Samuel J. Collins, Director
Office of Nuclear Reactor Regulation

7590-01-P

UNITED STATES NUCLEAR REGULATORY COMMISSION

NOTICE OF ISSUANCE OF FINAL DESIGN APPROVAL AND

FINAL SAFETY EVALUATION REPORT, SUPPLEMENT 1,

FOR AP600 STANDARD PLANT DESIGN

WESTINGHOUSE ELECTRIC COMPANY

The U.S. Nuclear Regulatory Commission (NRC) has issued Supplement 1 to the Final Safety Evaluation Report (FSER) related to certification of the AP600 Standard Plant Design. On the basis of the evaluation described in the FSER (NUREG-1512) and Supplement 1 thereto, the NRC staff concludes that the confirmatory issues in NUREG-1512 are resolved, the AP600 design documentation is acceptable, and Westinghouse's application for design certification meets the requirements of Subpart B to 10 CFR Part 52 that are applicable and technically relevant to the AP600 Standard Plant Design.

The NRC has also issued a revised final design approval (FDA) to Westinghouse for the AP600 design under 10 CFR Part 52, Appendix O. This FDA allows the AP600 design to be referenced in an application for a construction permit or an operating license under 10 CFR Part 50, or an application for a combined license under 10 CFR Part 52. The FDA was revised to make it coterminous with the design certification rule that was issued on December 23, 1999 (Appendix C to 10 CFR Part 52). This FDA supersedes the FDA dated September 3, 1998.

A copy of the AP600 FDA and Supplement 1 to the FSER have been placed in the NRC's Public Document Room, the Gelman Building, 2120 L Street, NW, Washington DC 20037, for review and copying by interested persons.

Dated at Rockville, Maryland, this 31st day of March 2000.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/
Christopher I. Grimes, Chief
License Renewal and Standardization Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

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