

DOCKET NO. 52-002

ASEA-BROWN BOVERI-COMBUSTION ENGINEERING (ABB-CE)

SYSTEM 80+ STANDARD DESIGN

FINAL DESIGN APPROVAL (FDA)

PURSUANT TO 10 CFR PART 52, APPENDIX O

- (1) ABB-CE has submitted to the Nuclear Regulatory Commission's (NRC) staff, for its review, a standardized design for a major portion of a nuclear power facility of the type described in 10 CFR Section 50.22. ABB-CE's System 80+ standard design is described in the Combustion Engineering Standard Safety Analysis Report-Design Certification (CESSAR-DC), including Amendments A through W thereto.
- (2) The CESSAR-DC contains design information required by 10 CFR Part 52, Appendix O, Paragraph 3, for a standard design. The System 80+ standard design, whose scope is defined in CESSAR-DC Section 1.1.1, is for a nuclear power facility with a rated reactor core power level of 3914 megawatts thermal.
- (3) The NRC staff and the Advisory Committee on Reactor Safeguards (ACRS) have reviewed the System 80+ standard design. The findings of the staff's evaluation of the System 80+ standard design are presented in the Final Safety Evaluation Report (FSER), dated July 1994. The ACRS reported on the application for design certification in a letter dated May 11, 1994 (see Appendix E of the FSER), as required by 10 CFR Section 52.53.
- (4) On the basis of its review and the findings in the FSER, the staff concludes that the information in the CESSAR-DC, with respect to the System 80+ standard design as described in paragraph 2 above, complies with the requirements of 10 CFR Part 52, Appendix O.
- (5) The System 80+ standard design is acceptable for use as a reference design for construction permit and operating license applications and combined license applications for facilities that are located at sites whose characteristics are within the envelope of site parameters given in the CESSAR-DC, and the out-of-scope portions of the plant that interface with the approved design conform to the interface requirements given in the CESSAR-DC.
- (6) This FDA and all applications for operating licenses incorporating it by reference, are subject to all applicable provisions of the Atomic Energy Act, as amended, and the rules and regulations and orders of the Commission now or hereafter in effect.

- (7) This FDA does not constitute a commitment to issue a permit, design certification, or 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 as of its date of issuance and will expire July 26, 1999, unless extended by the staff. The expiration of this FDA shall not affect its use in applications docketed before such date.

Dated in Rockville, Maryland, this 26 day of July 1994.

FOR THE NUCLEAR REGULATORY COMMISSION



William T. Russell, Director  
Office of Nuclear Reactor Regulation