

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-313

ARKANSAS POWER & LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. to Facility Operating License No. DPR-51, issued to Arkansas Power & Light Company (the licensee), which revised Technical Specifications for operation of Arkansas Nuclear One - Unit No. 1 (the facility) located in Pope County, Arkansas. The amendment is effective as of its date of issuance.

The amendment revised the Technical Specifications for the facility to authorize operation with: (1) revised core protection limits to response to plant specific analysis for cycle 2, (2) modified fuel rod bow analyses, (3) the revised Babcock and Wilcox Company model for nucleate boiling heat transfer correlation during blowdown, (4) new limiting conditions for operation and surveillance requirements regarding core internal vent valves, and (5) modified operating limits based upon an evaluation of emergency core cooling system (ECCS) performance calculated in accordance with an acceptable ECCS evaluation model that conforms with the requirements of Appendix K of 10 CFR Part 50 of the Commission's Order for License Modification dated December 27, 1974, with the following exception. The Commission's analyses of the electrical single failure criterion is still under consideration

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and will be the subject of a separate review. The incorporation of the modified operating limits relating to ECCS supersedes the restrictions imposed by the Commission's Order dated December 27, 1974.

The applications for the amendment comply with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Notice of Proposed Issuance of Amendment to Facility Operating License in connection with item (5) above was published in the FEDERAL REGISTER on July 30, 1975 (40 F.R. 31996). No request for a hearing or petition for leave to intervene was filed following notice of the proposed action on item (5) above. Prior public notice of items (1) through (4) above was not required since these actions do not involve a significant hazards consideration.

The Commission has determined that the issuance of the amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.