



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 110 TO FACILITY OPERATING LICENSE NO. DPR-58  
AND AMENDMENT NO. 93 TO FACILITY OPERATING LICENSE NO. DPR-74

INDIANA AND MICHIGAN ELECTRIC COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-315 AND 50-316

INTRODUCTION

By letter dated February 25, 1987, the Indiana and Michigan Electric Company (the licensee), submitted a proposed change to the Technical Specifications for the Donald C. Cook Nuclear Plant, Unit Nos. 1 and 2. The proposed change would delete reference to shutdown modes for testing the ice condenser lower inlet doors and would, in effect, add Modes 3 and 4 (hot standby and hot shutdown, respectively) to the surveillance requirements allowable test modes. The request relates to License Amendments 83 and 64 for Units 1 and 2 which were issued on April 1, 1985 and June 18, 1984 respectively.

EVALUATION

The Westinghouse Standard Technical Specifications and the original standard technical specifications for the Donald C. Cook Nuclear Plant, Unit Nos. 1 and 2, contained a surveillance requirement to test the ice condenser doors periodically "during shutdown." There was no definition at this technical specification of what constitutes shutdown and by practice, the licensee performed the surveillance during Modes 5 and 6 (cold shutdown and refueling). In their support of the application for license amendments which resulted in Amendments 83 and 64, the licensee requested a more precise definition of this shutdown requirement to be narrowly defined as Modes 5 and 6. This was not an NRC requirement, but was found acceptable on behalf of the licensee's request.

The licensee now finds the imposition of Modes 5 and 6 to be too restrictive and proposes to remove reference to the modes. This would allow the surveillances to be done in Modes 3, 4, 5, or 6, consistent with the Standard Technical Specifications and original standard Cook technical specifications. The difference between Modes 3 and 4 and Modes 5 and 6 is the radiation levels at the inlet doors; the greater radiation occurring most often in Modes 3 and 4. The licensee has demonstrated, however, an acceptable concern for occupational doses and continues to implement the concept of As-Low-As-Is-Reasonably-Achievable (ALARA) to keep occupational doses low. On this basis and in keeping with the provisions

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also considered in the Standard Technical Specifications, the staff finds the proposed changes acceptable.

#### ENVIRONMENTAL CONSIDERATION

These amendments involve a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 or a change in surveillance requirements. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously published a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR §51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

#### CONCLUSION

The staff has concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

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