



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 139 AND AMENDMENT NO. 126 TO FACILITY OPERATING

LICENSE NOS. DPR-58 AND DPR-74

INDIANA MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT, UNIT NOS. 1 AND 2

DOCKET NOS. 50-315 AND 50-316

1.0 INTRODUCTION

By letter dated March 29, 1989, Indiana Michigan Power Company (the licensee) requested approval of an amendment to the D. C. Cook, Unit No. 2 plant Technical Specifications (TS). The proposed change includes clarification of testing requirements for the power range neutron flux (PRNF) reactor trip set points. In the request, the licensee indicated that lack of sufficient detail in the TS testing requirements for the PRNF reactor trip set points had prevented the response time testing of the low power set point trip function.

2.0 DISCUSSION

The Technical Specification amendment changes TS Table 3.3-2, "Reactor Trip System Instrumentation Response Times," to explicitly require that response time for the "Power Range, Neutron Flux (High and Low Set Point)" trips be less than or equal to 0.5 seconds. This wording is more explicit than that found in the Standard Technical Specifications (STS), which use the term "Power Range, Neutron Flux" when referring to required response times of the PRNF trip functions.

3.0 EVALUATION

The effect of the proposed TS change is to make the licensee's Technical Specification requirements concerning the high and low set point PRNF reactor trips more explicit than those found in the STS. Clarification of these response time requirements serves to make the Technical Specifications more consistent with the licensee's safety analyses. Credit is taken in the safety analyses of both units for both the high and low set point PRNF reactor trip functions in the mitigation of accident sequences. In the past, misunderstanding of the TS requirements for the PRNF function had prevented the time response testing of the low set point PRNF reactor trip function.

Addition of the TS clarification is primarily an administrative change, although it now explicitly requires testing of both the high and low set point PRNF trip functions. The addition of explicit wording regarding

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response time requirements of the PRNF trip ensures that both the high and low set point trip functions are response time tested. Therefore, this change is conservative.

Based on the above evaluation, the staff concludes that the licensee's proposed Technical Specification amendment, as delineated in the March 29, 1989 letter, is acceptable.

#### 4.0 ENVIRONMENTAL CONSIDERATION

The amendment involves a change in a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and a change in a surveillance requirement. We have 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 issued 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 amendment.

#### 5.0 CONCLUSION

We have 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: June 27, 1990

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