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RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Application for amend to License DPR-74 submitted as changes to App. A Tech Specs.

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August 24, 1981
AEP:NRC:00575

Donald C. Cook Nuclear Plant Unit No. 2
Docket No. 50-316
License No. DPR-74
Technical Specifications Change Request

RECEIVED
AUG 27 1981
U.S. NUCLEAR REGULATORY COMMISSION

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Denton:

This letter and its attachments serve to request changes to the Donald C. Cook Nuclear Plant Unit No. 2 Appendix 'A' Technical Specifications. The proposed revisions will allow operation of Unit No. 2 with the Exxon Nuclear Company (ENC) power distribution control procedures. These changes are based on ENC Topical Reports XN-NF-77-57 and XN-NF-77-57 Supplement 1, previously submitted by ENC to the NRC. These reports describe the ENC recommended generic procedure for controlling axial power distribution.

All of the proposed changes contained herein have been reviewed and approved by the Plant Nuclear Safety Review Committee and the AEPSC Nuclear Safety & Licensing Section. They will be reviewed by the AEPSC Nuclear Safety and Design Review Committee during its next meeting. These reviews indicate that in no instance will the proposed changes adversely affect the health and safety of the public.

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This application for Technical Specification revision is considered to be a Class III License Amendment as per the provisions of 10 CFR 170.22. As required by Part 170, Subsection 22, a check in the amount of $4,000.00 accompanies this submittal.

Very truly yours,

R. S. Hunter
Vice President

Attachment

cc: John E. Dolan - Columbus
G. Charnoff
R. C. Callen
R. W. Jurgensen
D. V. Shaller - Bridgman
Joe Williams, Jr.
Region III Resident Inspector at Cook Plant - Bridgman

ATTACHMENT 'A' TO AEP:NRC:0575

The proposed Technical Specifications contained in Attachment "B" to this submittal concern the operating procedures used to protect the power distribution limits. The proposed revisions will allow operation of D. C. Cook Unit 2 with the Exxon Nuclear Company (ENC) power distribution control procedures. These changes are based on ENC topical reports XN-NF-77-57 and XN-NF-77-57, Supplement 1 which describe the ENC recommended generic procedure for controlling axial power distribution. These reports have been approved by the NRC for referencing. Attached are revised Technical Specification pages, 3/4 2-1, 3/4 2-2, 3/4 2-3, 3/4 2-4 (Figure 3.2-1), 3/4 2-6, 3/4 2-7, 3/4 2-8(a) (Figure 3.2-3) 3/4 2-17, 3/4 2-18, 3/4 2-19, B 3/4 2-1, B 3/4 2-2, and B 3/4 2-5. Included in the changes are:

1) Determination of axial flux difference every 31 Effective Full Power Days in conjunction with the measurement of F_Q.

2) Limiting conditions for and application of the variation function (V(Z)).

3) A curve of V(Z) as a function of core height.

The requested revisions are marked with a vertical line in the right hand margin.