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

SUBJECT: Application for amend to License DPR-58,revising Tech Specs to make footnote to Surveillance Requirement 4.5.2.f in Unit 1 identical to corresponding footnote in Unit 2 Tech Specs. Fee paid.

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March 1, 1985
AEP:NRC:0919

Donald C. Cook Nuclear Plant Unit No. 1
Docket No. 50-315
License No. DPR-58
MINIFLOW RATE TECHNICAL SPECIFICATIONS CHANGE

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 constitute an application for amendment to the Technical Specifications (T/S) for the Donald C. Cook Nuclear Plant Unit No. 1. Specifically we are proposing to make the footnote to Surveillance Requirement 4.5.2.f in Unit 1 identical to the respective footnote in Unit 2. The reasons for the proposed change and our analysis concerning significant hazards considerations are contained in Attachment 1 to this letter. The proposed revised Technical Specification page is contained in Attachment 2.

We believe that the proposed change will not result in (1) a significant change in the types of effluents or a significant increase in the amounts of any effluent that may be released offsite, and (2) a significant increase in individual or cumulative occupational radiation exposure.

These proposed changes have been reviewed by the Plant Nuclear Safety Review Committee (PNSRC) and by the Nuclear Safety and Design Review Committee (NSDRC).

In compliance with the requirements of 10 CFR 50.91(b)(1), a copy of this letter and its attachments have been transmitted to Mr. R. C. Callen of the Michigan Public Service Commission and Mr. G. Bruchmann of the Michigan Department of Public Health.

Pursuant to 10 CFR 170.12(c), we have enclosed an application fee of $150.00 for the proposed amendments.

Rec'd w/check $150.00

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This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,

M. P. Alexich
Vice President

MPA/cm

Attachments

cc: John E. Dolan
W. G. Smith, Jr. - Bridgman
G. Bruchmann
R. C. Callen
G. Charnoff
NRC Resident Inspector - Bridgman

ATTACHMENT 1 TO AEP:NRC:0919

REASON AND 10 CFR 50.92 ANALYSIS FOR

CHANGE TO THE

DONALD C. COOK NUCLEAR PLANT UNIT NO. 1

TECHNICAL SPECIFICATIONS

ATTACHMENT 1 TO AEP:NRC:0919

The purpose of this change is to allow the flow balancing of the Safety Injection System after the implementation of a modification which would increase the flow through the recirculation circuit (miniflow) of the Safety Injection pumps. This change is identical to the one approved for Unit 2 in Amendment 64 and described in our letters AEP:NRC:0860A and AEP:NRC:0860B (dated March 15, 1984 and March 23, 1984 respectively).

Based on the above, the proposed T/S change may result in some increase to the consequences of a previously analyzed accident or may reduce in some way a safety margin, but it is our belief that the results of the change are clearly within all acceptable criteria with respect to the system and components as they may affect the Safety Analysis of the plant. Thus, the proposed change does not involve a significant hazards consideration as defined in 10 CFR 50.92.

ATTACHMENT 2 TO AEP:NRC:0919

PROPOSED CHANGE TO THE

DONALD C. COOK NUCLEAR PLANT UNIT NO. 1

TECHNICAL SPECIFICATIONS

SURVEILLANCE REQUIREMENTS (Continued)

f. By performing a flow balance test during shutdown following completion of modifications to the ECCS subsystem that alter the subsystem flow characteristics and verifying the following flow rates:

Boron Injection System Single Pump*	Safety Injection System Single Pump**
Loop 1 Boron Injection Flow 117.5 gpm	Loop 1 and 4 Cold Leg Flow ≥ 300 gpm
Loop 2 Boron Injection Flow 117.5 gpm	Loop 2 and 3 Cold Leg Flow ≥ 300 gpm
Loop 3 Boron Injection Flow 117.5 gpm	
Loop 4 Boron Injection Flow 117.5 gpm	

*The flow rate in each Boron Injection (BI) line should be adjusted to provide 117.5 gpm (nominal) flow into each loop. Under these conditions there is zero miniflow and 80 gpm simulated RCP seal injection line flow. The actual flow in each BI line may deviate from the nominal so long as the difference between the highest and lowest flow is 10 gpm or less and the total flow to the four branch lines does not exceed 470 gpm. Minimum flow (total flow) required is 345.8 gpm to the three most conservative (lowest flow) branch lines.

**Combined Loop 1,2,3, and 4 Cold Leg Flow (single pump) less than or equal to 640 gpm. Total SIS (single pump) flow, including miniflow, shall not exceed 700 gpm.