



ARKANSAS POWER & LIGHT COMPANY

FIRST COMMERCIAL BUILDING/P.O. BOX 551/LITTLE ROCK, ARKANSAS 72203/(501) 371-7901

February 27, 1986

T. GENE CAMPBELL
Vice President
Nuclear Operations

2CAN028601

Mr. George W. Knighton, Director
PWR Project Directorate No. 7
Division of PWR Licensing - B
U. S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
CPC Improvement Program - Related
Technical Specifications Change Request

Dear Mr. Knighton:

AP&L is actively participating in the Core Protection Calculator (CPC) Oversight Committee along with representatives of the three other utilities that have Combustion Engineering (CE) plants equipped with CPCs. A detailed presentation of the ongoing CPC Improvement Program (CIP) was made to the NRC on April 18, 1985 and formally transmitted to you as CEN-302(S)-P by letter dated June 7, 1985 from Southern California Edison (SCE). A second detailed presentation was provided on November 19, 1985 with updated and additional information to facilitate the NRC review process. SCE's San Onofre Nuclear Generating Station Unit 2 (SONGS-2) is the lead plant for implementation of the CIP. SCE submitted Technical Specifications change requests on October 9, 1985 to accomodate implementation of the portions of the CIP scheduled for Cycle 3 operation of SONGS-2. AP&L has already implemented a certain portion of the CIP, as described by our submittal dated August 30, 1985 (2CAN088501) and reflected by ANO-2 Technical Specifications Amendment No. 70, dated November 12, 1985 (2CNA118502). AP&L plans to implement additional portions of the CIP at ANO-2 during Cycle 5 operation.

The implementation of the CIP at ANO-2 consists of generic and plant specific CPC System (CPCS) modifications, plant specific CPC-related transient analysis and resulting Technical Specifications changes. The modifications to the ANO-2 CPCS software and related methodology required to implement the CIP are described in detail by CEN-308-P and CEN-310-P, which were transmitted to you by letters from CE dated August 30, 1985 and October 18, 1985, respectively. Plant specific data base constants and uncertainties will be updated to be consistent with the CIP algorithms and methodology.

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February 27, 1986

All changes to the CPCS will be done in accordance with the NRC approved software change procedures, as described in CEN-39(A)-P, Revision 02 and CEN-39(A)-P, Supplement 1-P, Revision 01.

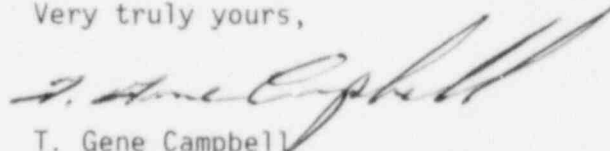
Appropriate revisions to the ANO-2 Technical Specifications, the related Surveillance Requirements and Bases have been prepared for your review and approval. Descriptions of these proposed revisions are attached. These Technical Specification revisions are necessary before the related portions of the CIP can be implemented at ANO-2; therefore, AP&L requests that NRC review and approval be performed in an expeditious manner.

Implementation of this portion of the CIP is planned during ANO-2 Cycle 5 operation and currently scheduled for May 1986. Because a Technical Specifications amendment is required to support this change, AP&L requests that the revised Technical Specifications become effective concurrent with implementation of the revised software. A similar change has been previously submitted by SCE for SONGS-2 and 3 under their Cycle 3 Reload Analysis Report. AP&L previously submitted a Technical Specifications change request on September 16, 1985 (2CAN098504) relating to CPC Addressable Constants. It is our understanding that change will be approved and therefore this change request reflects those expected revisions.

In accordance with 10CFR50.92(c), the attached changes have been determined to have no significant hazards considerations. To satisfy the Sholly provisions, documents providing the bases for this determination are attached. Also, a copy of this amendment package has been sent to Mr. E. Frank Wilson, Director, Division of Environmental Health Protection, State Department of Health.

Pursuant to 10CFR170.12(c) we are including a check for the amount of \$150 as an application fee.

Very truly yours,



T. Gene Campbell
Vice President,
Nuclear Operations

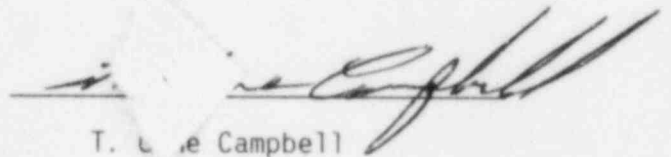
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Attachments

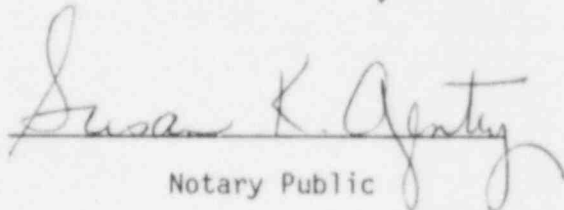
cc: Mr. E. Frank Wilson, Director
Division of Environmental Health Protection
State Department of Health
4815 West Markham Street
Little Rock, AR 72201

STATE OF ARKANSAS)
) SS
COUNTY OF PULASKI)

I, T. Gene Campbell, being duly sworn, subscribe to and say that I am Vice President, Nuclear Operations, for Arkansas Power & Light Company; that I have full authority to execute this oath; that I have read the document numbered 2CAN028601 and know the contents thereof; and that to the best of my knowledge, information and belief the statements in it are true.


T. Gene Campbell

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for the County and State above named, this 28 day of February, 1986.


Notary Public

My Commission Expires:
May 7, 1993