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 AUTH. NAME: KEISER, H.W. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.
 RECIP. NAME: BUTLER, W.R. RECIPIENT AFFILIATION: Project Directorate I-2

see Subj. file
~~#~~ PL-NF-90-001 R

SUBJECT: Forwards Topical Rept PL-NF-90-001, "Application of Reactor Analysis Methods for BWR Design & Analysis."

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Pennsylvania Power & Light Company

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Harold W. Keiser
Senior Vice President-Nuclear
215/770-4194

AUG - 8 1990

Director of Nuclear Reactor Regulation
Attention: Dr. W. R. Butler, Project Director
Project Directorate I-2
Division of Reactor Projects
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
SUBMITTAL OF TOPICAL REPORT PL-NF-90-001
PLA-3420 FILES A7-8A/A17-20/R41-2

Docket Nos. 50-387
and 50-388

- References: 1. Letter, W.R. Butler to H.W. Keiser, "Topical Report PL-NF-87-001, 'Qualification of Steady State Core Physics Methods for BWR Design and Analysis' (TAC Nos. 65171 and 65172)", dated April 28, 1988.
2. PLA-3328, H.W. Keiser to W.R. Butler, "Submittal of Topical Report PL-NF-89-005", dated January 22, 1990.

Dear Dr. Butler:

The purpose of this letter is to submit for your review and approval the attached topical report PL-NF-90-001 entitled, "Application of Reactor Analysis Methods for BWR Design and Analysis". This is the last of three topical reports prepared by PP&L in support of qualifying our reload design and licensing analysis methods. The first report, PL-NF-87-001-A, "Qualification of Steady State Core Physics Methods for BWR Design and Analysis," has been approved by the NRC (Reference 1). The second report, PL-NF-89-005, "Qualification of Transient Analysis Methods for BWR Design and Analysis," was submitted to the NRC in January, 1990 (Reference 2), and is currently under review.

The first reload application of these topicals, once approved, will be in support of Cycle 5 operation of Susquehanna Unit 2. PP&L's proposed license amendment supporting Unit 2 Cycle 5 is scheduled for submittal to NRC in September, 1990. NRC approval of PP&L's methods is needed to support a license amendment prior to Unit 2 Cycle 5 startup, which is currently scheduled for May 10, 1991.

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PDR ADOCK 05000387
P PDC

Approved
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THE UNITED STATES OF AMERICA

DEPARTMENT OF THE ARMY

OFFICE OF THE ADJUTANT GENERAL

ADJUTANT GENERAL'S OFFICE

101-101

- 2 - FILES A7-8A/A17-20/ PLA-3420
 R41-2
 Dr. W. R. Butler

PP&L appreciates the NRC staff's efforts to review the subject reports in support of Unit 2 Cycle 5 licensing. As discussed with Mr. M. Thadani and Mr. K. Desai of NRR, PP&L is prepared to make presentations to the staff and to participate in working level discussions in order to facilitate the NRC review. Any questions on this report should be directed to Mr. R. Sgarro at (215) 770-7916. Twenty (20) additional copies of the report are enclosed for your convenience.

Very truly yours,



H. W. Keiser

Enclosures

cc: ~~[NRC Document Control Desk (original)]~~
 NRC Region I
 Mr. M. C. Thadani, NRC Project Manager - OWFN
 Mr. G. S. Barber, NRC Sr. Resident Inspector - SSES
 Mr. K. D. Desai, NRR - OWFN



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