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AUTH. NAME AUTHOR AFFILIATION
HAYNES, J. G. Arizona Nuclear Power Project (formerly Arizona Public Serv
RECIP. NAME RECIPIENT AFFILIATION
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SUBJECT: Informs that summary justifying removal of core protection calculators & core operating limits supervisory sys will be submitted to NRC by 870115. Chapter 15 of FSAR will not be revised since only most limiting analysis should be incl.

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Arizona Nuclear Power Project
P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

April 30, 1987
161-00180-JGH/BJA

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2 and 3
Docket Nos. STN 50-528 (License No. NPF-41)
STN 50-529 (License No. NPF-51)
STN 50-530 (License No. NPF-65)
RCP Coastdown Safety Analysis
File: 87-A-056-026

References: (1) Letter from E. A. Licitra, NRC, to E. E. Van Brunt, Jr., ANPP, dated April 7, 1987. Subject: RCP Coastdown Safety Analysis.
(2) Letter from J. G. Haynes, ANPP, to G. W. Knighton, NRC, dated December 26, 1986 (ANPP-39506). Subject: ANPP Response to Operational Concerns.
(3) Letter from J. G. Haynes, ANPP, to G. W. Knighton, NRC, dated July 29, 1986 (ANPP-37623). Subject: NRC Request for Additional Information on the January 9, 1986, Reactor Trip at PVNGS Unit 1.

Dear Sirs:

In Reference (1), the NRC Staff requested ANPP to provide the results of the updated safety analysis which accounts for the slightly faster Reactor Coolant Pump (RCP) coastdown rates that were observed in PVNGS Unit 1 on January 9, 1986. The NRC Staff also suggested that Section 15 of the PVNGS FSAR be revised with the updated safety analysis. As described in References (2) and (3), ANPP applied penalty factors to the Core Protection Calculators (CPCs) and the Core Operating Limits Supervisory System (COLSS) to compensate for the observed RCP coastdown rates in PVNGS Units 1 and 2. A subsequent analysis by the NSSS vendor justified the removal of these penalty factors. The analysis concluded that the slightly faster RCP coastdown rate results in an earlier reactor trip which leads to results which are no more limiting than the existing total loss of reactor coolant flow accident analysis. Therefore, since Chapter 15 of the FSAR should only contain the most limiting analyses, it is not appropriate to revise the FSAR to reflect the case with the slightly faster RCP coastdown rate. It should be noted that the accident analyses to support Cycle 2 operation at PVNGS will assume the more conservative (faster) RCP coastdown rate. In response to the NRC request to provide the analysis which justified removal of the CPC and COLSS penalty factors, ANPP will provide a summary of this analysis to the NRC Staff by June 15, 1987.

A001
1/0

If you have any additional questions on this matter, please contact Mr. W. F. Quinn of my staff.

Very truly yours,

J. G. Haynes

J. G. Haynes
Vice President
Nuclear Production

JGH/BJA/rw

cc: O. M. De Michele
E. E. Van Brunt, Jr.
G. W. Knighton
E. A. Licitra
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April 30, 1987

DOCKET NO(S). 50-528/529

Mr. E. E. Van Brunt, Jr.,
Executive Vice President
Arizona Nuclear Power Project
P. O. Box 52034
Phoenix, Arizona 85072-2034

SUBJECT: ARIZONA PUBLIC SERVICE COMPANY
PALO VERDE NUCLEAR GENERATING STATION, UNITS 1 AND 2

The following documents concerning our review of the subject facility are transmitted for your information.

- [ ] Notice of Receipt of Application, dated _____.
- [ ] Draft/Final Environmental Statement, dated _____.
- [ ] Notice of Availability of Draft/Final Environmental Statement, dated _____.
- [ ] Safety Evaluation Report, or Supplement No._____ dated _____.
- [ ] Environmental Assessment and Finding of No Significant Impact, dated _____.
- [ ] Notice of Consideration of Issuance of Facility Operating License or Amendment to Facility Operating License, dated _____.
- [X] Bi-Weekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Considerations, dated 4/22/87 [*see page(s)*] 13354 and Correction, dated 4/29/87.
- [ ] Exemption, dated _____.
- [ ] Construction Permit No. CPPR-_____, Amendment No. _____ dated _____.
- [ ] Facility Operating License No. _____, Amendment No. _____ dated _____.
- [ ] Order Extending Construction Completion Date, dated _____.
- [ ] Monthly Operating Report for _____ transmitted by letter dated _____.
- [ ] Annual/Semi-Annual Report- _____ _____ transmitted by letter dated _____.

Office of Nuclear Reactor Regulation

Enclosures:
As stated

cc: See next page

OFFICE	PD V						
SURNAME	JLee						
DATE	4/30/87						

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Mr. E. E. Van Brunt, Jr.
Arizona Nuclear Power Project

Palo Verde

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