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 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Public 05000528
 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Public 05000529
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Public 05000530
 AUTH. NAME: AUTHOR AFFILIATION
 VAN BRUNT, E.E. Arizona Public Service Co.
 RECIPIENT NAME: RECIPIENT AFFILIATION
 KNIGHTON, G.W. Licensing Branch 3

SUBJECT: Advises of util 850717 voluntary reduction of linear heat rate limit to meet acceptance criterion on peak clad temp per 10CFR50.46, in response to 850717 telcon re util 850712 ltr. Max temp would be 2,203 F.

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NOTES: Standardized plant. 05000528
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	NRR/DSI/RAB		1	1	<u>REG FILE</u>	04	1
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Arizona Nuclear Power Project

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Director of Nuclear Reactor Regulation
Attention: Mr. George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

ANPP-33068-EEVB/WFQ/KLM
July 19, 1985

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528 (License No. NPF-41)/529/530
Voluntary Reduction of Linear Heat Rate Limit
File: 85-056-026; G.1.01.10

Reference: Letter to G. W. Knighton, NRC, from E. E. Van Brunt, Jr., ANPP, dated
July 12, 1985 (ANPP-33006); Subject: Potential LOCA Analysis
Non-Conservatism

Dear Mr. Knighton:

Per telephone conversation with Brian Sheron, of your staff, held on July 17, 1985, ANPP was informed that the information contained in the referenced letter presently provided an unacceptable basis for compliance with the acceptance criteria of 10CFR 50.46.

As a result of the discussion on July 17, 1985, ANPP has decided to voluntarily administratively reduce the linear heat rate (LHR) limit to a value which will be sufficient to meet the acceptance criterion on peak clad temperature (PCT) contained in 10CFR 50.46.

The amount of reduction of the LHR limit is based on the CE preliminary evaluation of the CESSAR worst-case large break LOCA analyses, which ANPP currently references. CE's estimate of the increase in PCT, from their evaluation, resulting from a more adverse axial power distribution and peaking factor is 34°F. The current maximum PCT presented in CESSAR is 2169°F. Therefore, the maximum value of PCT for PVNGS Units 1, 2, and 3 would be 2203°F.

CE has informed ANPP that the sensitivity on the LHR limit is 0.1 kw/ft to 25°F PCT. By using this sensitivity, a reduction in the LHR limit to 13.9 kw/ft is sufficient to meet the acceptance criterion on PCT in 10CFR 50.46.

ANPP will implement this administrative limit, applicable to PVNGS Units 1, 2 and 3 (PVNGS Unit 1 Technical Specification 3.2.1), of 13.9 kw/ft prior to exceeding 80% power (which is consistent with the worst-case large break LOCA analysis assumptions) and will lift this limit upon staff review and approval of the PVNGS Unit 1, 2, and 3 large break LOCA reanalysis to be performed after the staff's review and approval of the C-E revised large break LOCA evaluation model.

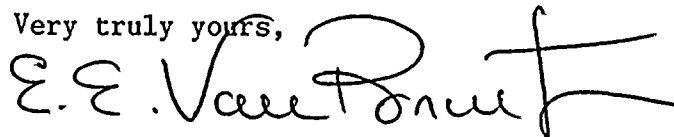
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G. W. Knighton
Voluntary Reduction of Linear Heat Rate Limit
ANPP- 33068
Page 2

If you should have any questions concerning this matter, contact Mr. W. F. Quinn
of my staff.

Very truly yours,



E. E. Van Brunt, Jr.
Executive Vice President
Project Director

EEVB/WFQ/KLM/slh

cc: E. A. Licitra
R. P. Zimmerman
A. C. Gehr
B. Sheron
J. Bynum
J. Allen



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STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, Edwin E. Van Brunt, Jr., represent that I am Executive Vice President, Arizona Nuclear Power Project, that the foregoing document has been signed by me on behalf of Arizona Public Service Company with full authority to do so, that I have read such document and know its contents, and that to the best of my knowledge and belief, the statements made therein are true.

Edwin E. Van Brunt, Jr.
Edwin E. Van Brunt, Jr.

Sworn to before me this 19 day of July, 1985.

Nora E. Meador
(Notary Public)

My Commission Expires:

My Commission Expires April 6, 1987

