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 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Public 05000530

AUTH. NAME: VAN BRUNT, E.E. AUTHOR AFFILIATION: Arizona Public Service Co.
 RECIP. NAME: KNIGHTON, G.W. RECIPIENT AFFILIATION: Licensing Branch 3

SUBJECT: Forwards results of Procedure 91PE-1SI08, Sections 8.16 & 8.17 re safety injection full flow verification test. Confirmation of available NPSH for ECCS pumps per SER (NUREG-0857) criteria resolved.

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Arizona Public Service Company

October 5, 1984
ANPP-30748 EEVBjr/KEJ

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

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2 and 3
NPSH for ECCS Pumps
Docket Nos. STN-50-528/529/530
File: 84-056-026; G.1.01.10

Reference: NUREG-0857, "Safety Evaluation Report"
Related to the Operation of Palo Verde
Nuclear Generating Station, Units 1, 2
and 3, dated November, 1981

Dear Mr. Knighton:

Section 6.3.1 of the referenced SER requests that, following preoperational testing of the ECCS, APS confirm that the available NPSH for the ECCS pumps exceeds the required NPSH, by using the as-built hydraulic resistances and pump flows. Preoperational testing of the ECCS pumps has been completed and the results of that testing confirm that the available NPSH for those pumps exceeds the required NPSH values described in CESSAR FSAR Table 6.3.2-5a.

Attached are Sections 8.16 and 8.17 of Procedure No. 91PE-1SI08. These sections provide the necessary information that verifies the available NPSH for both trains of ECCS pumps. Paragraphs 8.16.46 through 8.16.48, and 8.17.46 through 8.17.48 of the attachment list the calculated values of NPSH. Procedure No. 91PE-1SI08 was reviewed and the results accepted on 09/27/84.

With submittal of the test results from test Procedure No. 91PE-1SI08, we believe the issue concerning confirmation of available NPSH to the ECCS as discussed in Section 6.3.1 of the referenced SER is resolved.

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If you have any further questions concerning this matter, please contact me.

Very truly yours,

EE Van Brunt / DSK

E. E. Van Brunt, Jr.
APS Vice President
Nuclear Production
ANPP Project Director

EEVB/KEJ/jle
Attachment

c: E. Licitra (w/a)
A. C. Gehr (w/a)
R. Zimmerman (w/a)



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STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, Donald Karner, represent that I am Assistant Vice President, Nuclear Production of Arizona Public Service Company, 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.

Donald Karner
Donald Karner

Sworn to before me this 4th day of October, 1984.

Nora E. Meador
Notary Public

My Commission Expires:

My Commission Expires April 6, 1987

