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STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529

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

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SUBJECT: Submits final response to GL 96-01, "Testing of SR Logic Circuits." Requested actions have been completed.

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TITLE: GL 96-01 Response-Testing of Safety-Related Logic

NOTES: STANDARDIZED PLANT 05000528

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Palo Verde Nuclear
Generating Station

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Generic Letter 96-01

102-03922-JML/SAB/RMW
April 26, 1997

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-37
Washington, DC 20555-0001

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528/529/530
Final Response to Generic Letter 96-01, "Testing of Safety-Related Logic Circuits".

Generic Letter 96-01, "Testing of Safety-Related Logic Circuits", requested that APS take two actions to address potential problems with logic testing of safety-related circuits. This letter is to inform you that APS has completed the requested actions.

APS completed the requested actions of this Generic Letter in February of 1997. During this effort, two specific instances were identified in which existing surveillance test procedures did not fully test the logic circuits in accordance with the existing Technical Specification Surveillance Requirements. The affected logic circuits were associated with the Plant Protection System (PPS). In the Reactor Protection System portion of the PPS the redundant shunt and undervoltage trip functions for the reactor trip circuit breakers were not adequately tested. In addition, in the Nuclear Steam Supply System-Engineered Safety Features Actuation System portion of the PPS, testing of the Auxiliary Feedwater Actuation System lockout relays was inadequate. Each unit immediately entered the 24 hour provision of Technical Specification 4.0.3 when each deficiency was identified. Testing of the logic circuits was performed during this time frame to demonstrate the operability of these circuits. Each circuit performed as designed. APS has incorporated instructions into the appropriate surveillance testing procedures to ensure that these circuits continue to be tested in accordance with the Technical Specifications.

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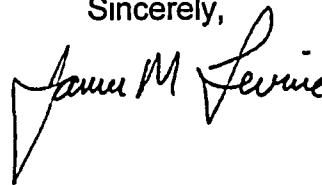
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Final Response to Generic Letter 96-01
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During this review several minor deficiencies, such as drawing inaccuracies, incomplete information in design basis documents and procedural inadequacies were identified in plant documents. In addition, enhancements to existing surveillance testing procedures for other circuits, or portions thereof, were identified that will result in improved rigor and methodology for testing the logic circuits and increased plant reliability. In these cases, the issues identified did not result in operability concerns for the affected circuits. APS is addressing these issues through our Condition Reporting/Disposition Request process.

Please contact Mr. Scott Bauer at (602) 393-5978 if you have any questions or comments.

Sincerely,

A handwritten signature in black ink, appearing to read "James M. Levine". The signature is written in a cursive style with a large, stylized "J" and "L".

JML/SAB/RMW/mah

cc: E. W. Merschoff
K. E. Perkins
J. W. Clifford
K. E. Johnston

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, J. M. Levine, represent that I am Senior Vice President - Nuclear, Arizona Public Service Company (APS), that the foregoing document has been signed by me on behalf of APS with full authority to do so, and that to the best of my knowledge and belief, the statements made therein are true and correct.



J. M. Levine

Sworn To Before Me This 28th Day Of April, 1997.



Notary Public


My Commission Expires

August 29, 1999

