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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.
 RECIP. NAME RECIPIENT AFFILIATION
 TEDESCO, R. L. Assistant Director for Licensing

SUBJECT: Forwards clarification to utility resolutions of NRC ICRDR audit comments contained in 811201 ltr.

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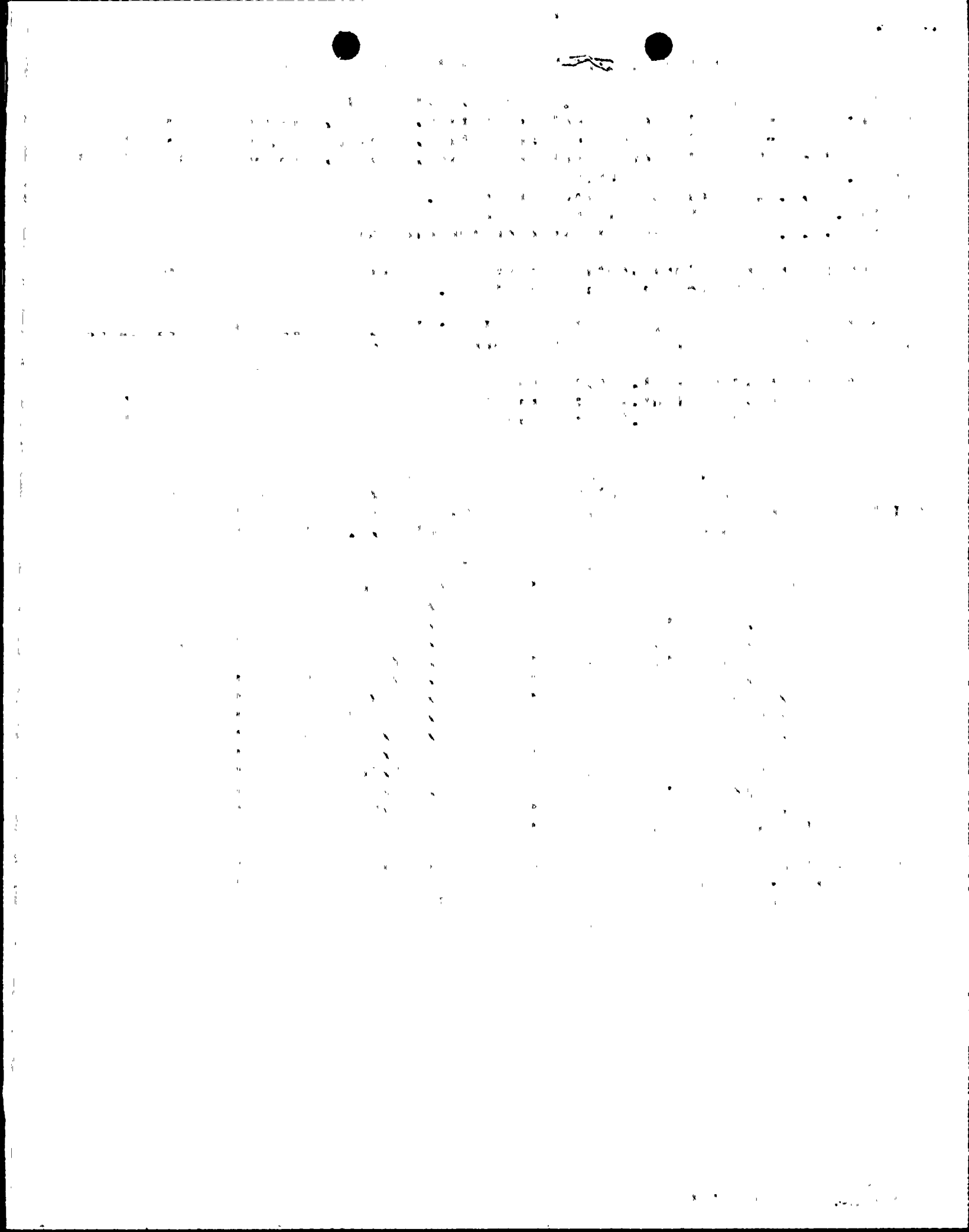
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ARIZONA



PUBLIC SERVICE COMPANY

STA. _____

P.O. BOX 21666 - PHOENIX, ARIZONA 85036

December 10, 1981

ANPP-19666 - JMA/ECS

Mr. R. L. Tedesco
Assistant Director for Licensing
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



Subject: Palo Verde Nuclear Generating Station
(PVNGS) Units 1, 2 and 3
Docket Nos. STN-50-528/529/530
File: 81-056-026; G.1.10

Reference: ANPP-19564 from E. E. Van Brunt, Jr., APS, to
R. L. Tedesco, NRC, dated December 1, 1981

Dear Mr. Tedesco:

Attached are our clarifications to the above reference resolutions. If you have any questions, please contact Ed Sterling on (602) 271-7280.

Very truly yours,

EE Van Brunt Jr/Scj
E. E. Van Brunt, Jr.
APS Vice President,
Nuclear Projects
ANPP Project Director

EEVBJr/ECS/av
Attachment

cc: J. Kerrigan (w/a)
P. Hourihan (w/a)
A. C. Gehr (w/a)

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PDR ADDCK 05000528
A PDR

13001
5.11

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, Steven C. Johnson, represent that I am Nuclear Administration Supervisor of Arizona Public Service Company, that the foregoing document has been signed by me for Edwin E. Van Brunt, Jr., Vice President Nuclear Projects, on behalf of Arizona Public Service Company with full authority so to do, 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.

Steven Johnson
Steven C. Johnson

Sworn to before me this 10th day of DECEMBER, 1981.

Connie Lou Armstrong
Notary Public

My Commission expires:

June 24, 1983



CLARIFICATION TO APS RESOLUTIONS OF NRC CRDR AUDIT COMMENTS

OF APS LETTER, ANPP-19564 FROM E. E. VAN BRUNT, JR., APS,

TO R. L. TEDESCO, NRC, DATED DECEMBER 1, 1981

1. Item B.18 (6-7, 6-8, 6-9, 6-13, 6-47)
Delete reference to HED's-40B and 46B. Will provide proper labels.
2. Item B.20 (6-12)
Delete reference to HED-104A. Labels will be moved.
3. Item B.26 (6-48)
Change response to: Will provide missing mimic with current switch arrangement per HED-115C.
4. Item B.30 (7-16)
Finding 7-16 will be reviewed per Item D. Move to Item D.6.
5. Item C.9 (3-19)
The alarm typer prints out all alarms that are input to the annunciator.
6. Item C.10 (4-2)
The status lights are activated from circuit breaker auxiliary contact.
7. Item C.11 (4-14)
Delete the words, "except for those required for equipment protection."
8. Item C.12 (5-3)
Administrative procedure will cover the operation of the helipot.
9. Item C.13 (5-11)
LI-201 is driven by a redundant Channel B loop. This is used for tank level indication and low level alarm. There is no process control off this channel.
10. Item C.15 (5-22, 6-41, 7-14, 7-15)
This will be reviewed per Item D. Move to Item D.7.

11. Item C.16 (5-35)

The control rod array will be moved prior to fuel loading.

12. Item C.20 (6-26)

The benchboard label "HI SG-1 Δ P" describes the logic trip.

13. Item C.26 (7-3, 7-4)

The Radiation Monitoring System (RMS) keyboard shift key is not utilized by the operator for any functions.

14. Item C.27 (7-12)

Add to first sentence, "as soon as command is made." Delete second sentence.

15. Item C.28 (7-13)

Add to first sentence, "occurring on an adjacent printer." Delete next two sentences.

16. Item C.31 (8-4, 8-6, 8-7, 8-8, 9-4, 9-6)

Further clarification on findings:

- a. 8-4: The wide range and narrow range steam generator level indicators are not used in conjunction with each other.
- b. 8-6: Placement of the RCP and core Δ P is intended to mimic actual equipment layout for ease of operator understanding.
- c. 8-7: The valve controls that appear to be in a mirror image configuration are the condenser overboard valves. There are 2 of these and 3 condensate pumps and valve strings. These valves are placed on the control board on the outboard side of the 3 strings. It is not a mirror image. It is representative of and mimics actual plant layout.
- d. 8-8: The Steam Generator (SG) and Feedwater (FW) Control Board areas are functionally demarcated to improve operator recognition, are layed out in true slide-along fashion. The FW Train A and FW Train B functions are located in close proximity to each other because the operator must monitor both trains during normal operation. This mirror image appearance of the two trains was dictated by the system operation requirement that the feedwater master controls be as close as possible to each other since these two controls can affect each other.

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17. Item D.1 thru 5

Add the following and delete the wording currently there: "The following items will be reviewed and the results of this review, proposed solution and an implementation schedule will be provided to the NRC for their review and approval 120 days prior to licensing.

