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 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528
 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530

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

SUBJECT: Forwards "Palo Verde Nuclear Generating Station Remoto Shutdown Panel Human Factors Study: Executive Summary Rept & "Palo Verde Nuclear Generating Station Control Room Human Factors Study" in response to request for addl info. *see Ref*

DISTRIBUTION CODE: B001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 437
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NOTES: Standardized plant. 05000528
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	NRR ROE, M, L	1	1	NRR/DE/AEAB	1	0
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	NRR/DHFS/PSRB	1	1	NRR/DL/SSPB	1	0
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	NRR/DSI/ICSB 16	1	1	NRR/DSI/METB 12	1	1
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	NSIC 05	1	1	NTIS	1	1

*Add: W. Paulson
 Rgn 2
 DRSS/EP/PPB*

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55 ENCL *47*

I have received your letter of the 10th inst. regarding
 the matter of the ...
 and I am glad to hear that you are satisfied with the
 results of the ...
 The ...
 I am sure that you will find the ...
 very satisfactory.
 I am, Sir,
 Yours faithfully,
 J. P. ...

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Arizona Public Service Company

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

October 29, 1984
ANPP-30986 TFQ/MAJ

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

References: See Attachment 4

Dear Mr. Knighton:

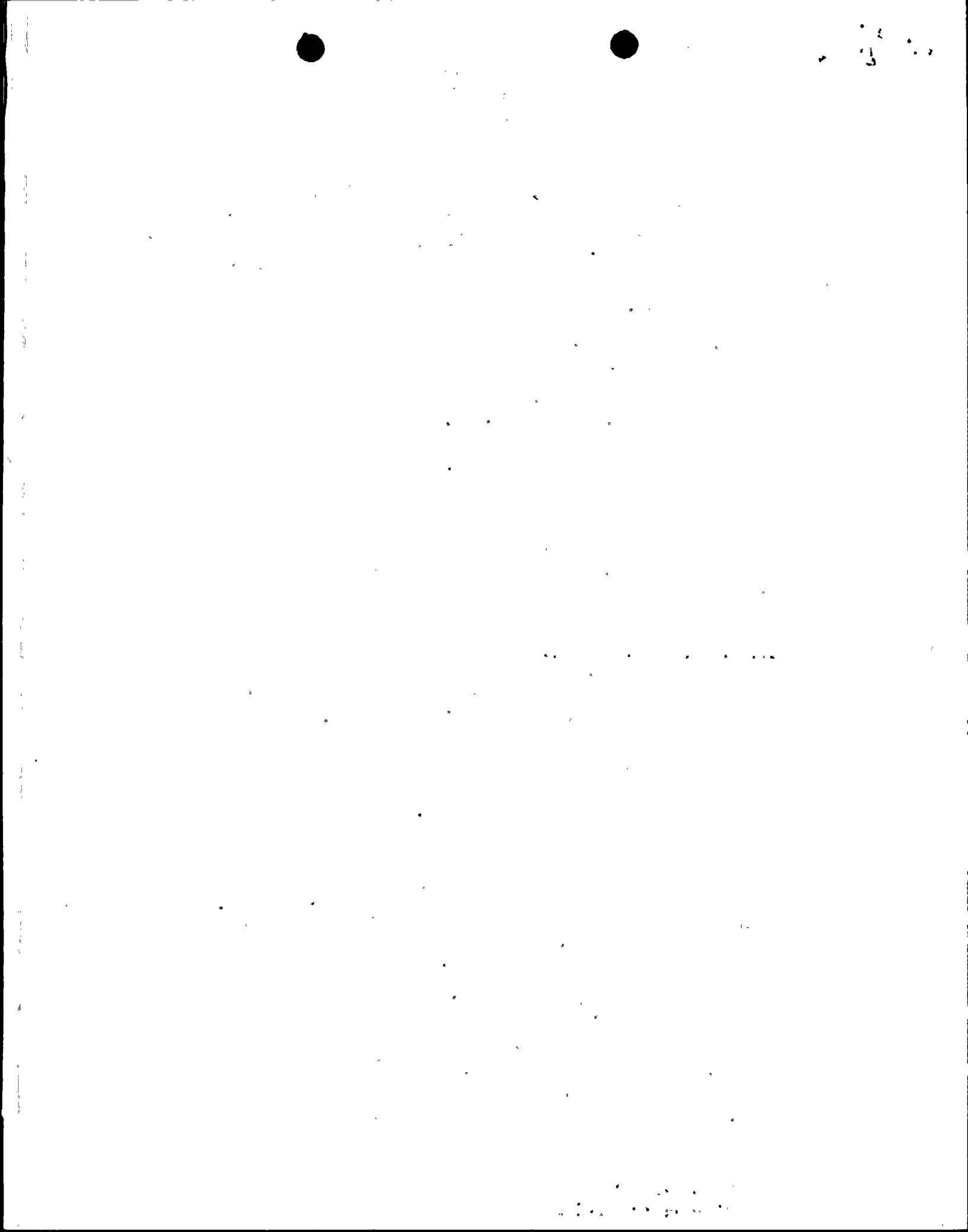
Reference (A) requested that APS submit additional information to the NRC concerning the PVNGS Control Room Design Review (CRDR). This information is needed by the staff to close out the Preliminary Design Assessment (PDA) of the CRDR. Attached, is the APS response to the information requested per Reference (A):

Attachment 1 addresses the Remote Shutdown Panel Review and provides the details concerning the human factors evaluation of the panel, listing all of the Human Engineering Discrepancies (HED's), their corrective actions and implementation schedules. Attachment 1 also provides the requested justification for those HED corrective actions extending beyond Unit 1 fuel load. We believe Attachment 1 to this letter, together with References (B) and (C), sufficiently address and close out the staff's PDA concerns relating to the Remote Shutdown Panel.

Attachment 2 represents Supplement 2 to the PVNGS Control Room Human Factors Study Executive Summary Report by Torrey Pines Technology. This report provides the Control Room Environmental Survey results which identify 2 HED's, numbers 172 and 173. NRC resolution of HED 172 was deferred until close out of the Detailed Control Room Design Review (DCRDR). This was discussed and agreed upon during the NRC's CRDR site audit on October 10 and 11, 1984. APS will work with the NRC to determine a schedule for completion of HED 172, which is considered part of the DCRDR. HED 173 will be complete and implemented prior to PVNGS Unit 1 exceeding 5% power operation. It should be noted that APS has proceeded in an extremely good faith effort to complete the Environmental Survey far ahead of the schedule given to the NRC by References (D) and (E).

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F PDR

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Add: W. Paulson
Rgn 2
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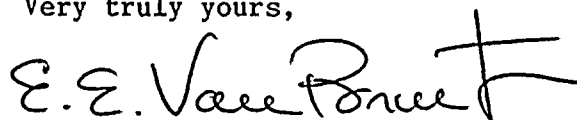


Mr. George T. Lighton
Control Room Design Review
ANPP- 30986
Page 2

Attachment 3 describes the currently incomplete HED's. These HED's were previously identified by Reference (F) and were discussed with the staff during the October 10 and 11, 1984 site audit. As requested by Reference (A) and by the staff during the site audit, APS will submit confirmation that all the HED's (except for those deferred by the staff to the DCRDR) are complete and implemented prior to PVNGS Unit 1 fuel load.

By submittal of this information, we feel we have sufficiently addressed the staff's PDA concerns to close out the issue. If additional information is needed, please contact me.

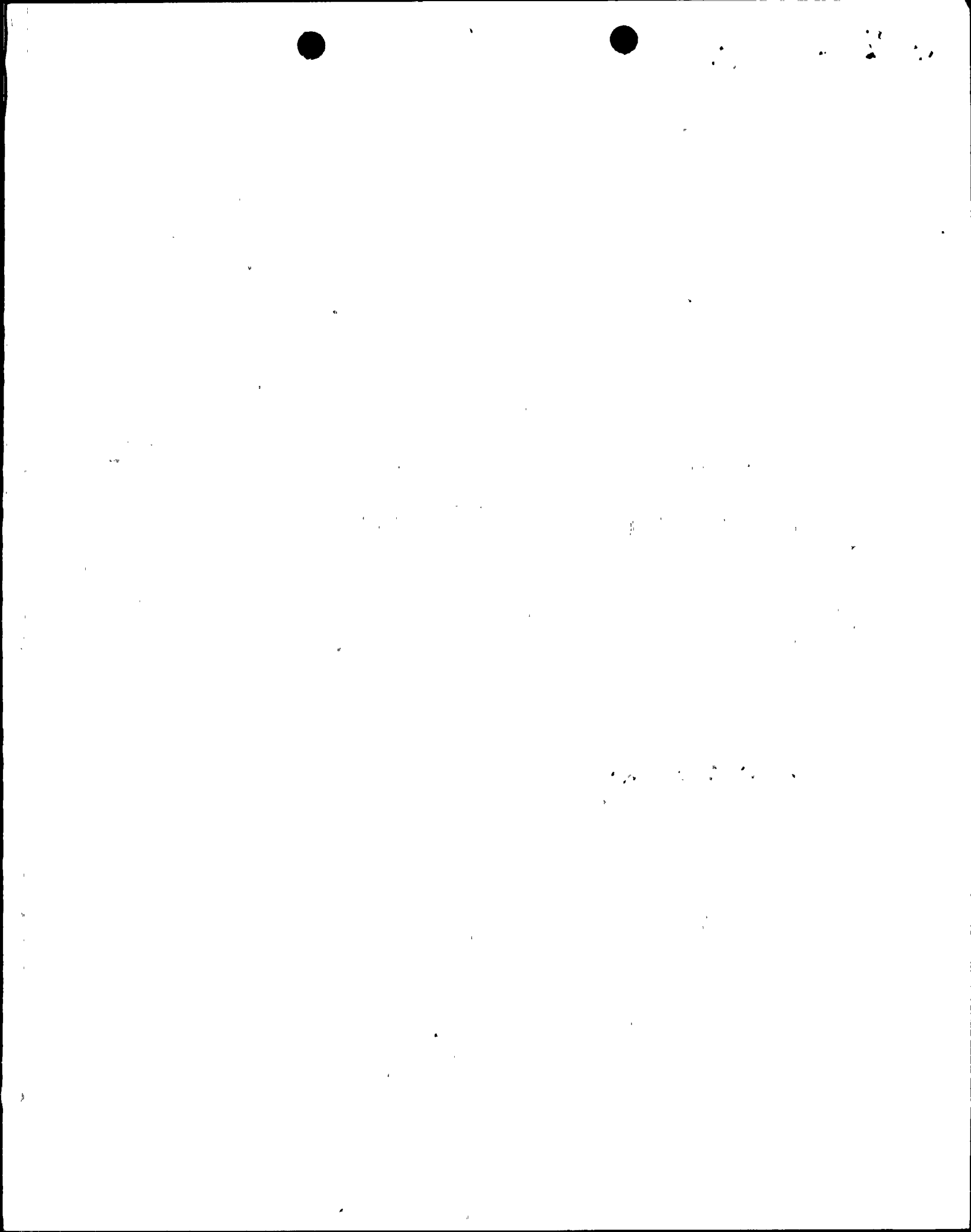
Very truly yours,



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

EEVBJr/MAJ/no
Attachments


cc: A. C. Gehr
E. A. Licitra
R.P. Zimmerman



October 29, 1984
ANPP-30986

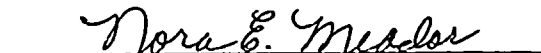
STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, Edwin E. Van Brunt, Jr., represent that I am 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.



Edwin E. Van Brunt, Jr.

Sworn to before me this 29th day of October, 1984.



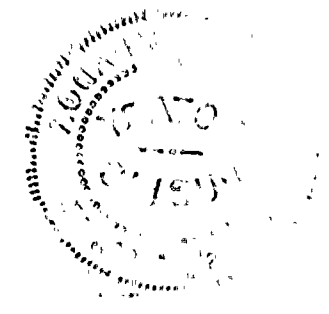
Notary Public

My Commission Expires:

My Commission Expires April 6, 1987

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Attachment 1

Remote Shutdown Panel Review

