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ACCESSION NBR: 8310260156 DOC. DATE: 83/10/13 NOTARIZED: YES DOCKET #
 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
 KNIGHTON, G. Licensing Branch 3

SUBJECT: Forwards Rev 1 to Suppl 3 of "Probabilistic Risk Assessment of Effects of PORVs on Depressurization & DHR." Changes are result of detailed treatment of automatic PORV cases & complete analysis of auxiliary feedwater restoration.

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NOTES: Standardized plant. 05000528
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| NSIC 05 | 1 1 | NTIS | 1 1 |

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1. The first part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main Street, 456 Elm Street, and 789 Oak Street.

2. The second part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: Alice Brown, Charlie White, and David Green. The addresses are: 101 Main Street, 202 Elm Street, and 303 Oak Street.

3. The third part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: Emily Black, Frank Gray, and Helen Blue. The addresses are: 404 Main Street, 505 Elm Street, and 606 Oak Street.

| NAME | ADDRESS | PHONE | DATE |
|---------------|------------------|----------|-----------|
| John Doe | 123 Main Street | 555-1234 | 1/1/2020 |
| Jane Smith | 456 Elm Street | 555-5678 | 2/1/2020 |
| Bob Johnson | 789 Oak Street | 555-9012 | 3/1/2020 |
| Alice Brown | 101 Main Street | 555-3456 | 4/1/2020 |
| Charlie White | 202 Elm Street | 555-7890 | 5/1/2020 |
| David Green | 303 Oak Street | 555-2345 | 6/1/2020 |
| Emily Black | 404 Main Street | 555-6789 | 7/1/2020 |
| Frank Gray | 505 Elm Street | 555-0123 | 8/1/2020 |
| Helen Blue | 606 Oak Street | 555-4567 | 9/1/2020 |
| Ivan Purple | 707 Main Street | 555-8901 | 10/1/2020 |
| Judy Yellow | 808 Elm Street | 555-2345 | 11/1/2020 |
| Kyle Orange | 909 Oak Street | 555-6789 | 12/1/2020 |
| Laura Pink | 1010 Main Street | 555-0123 | 1/1/2021 |
| Mark Brown | 1111 Elm Street | 555-4567 | 2/1/2021 |
| Nancy Green | 1212 Oak Street | 555-8901 | 3/1/2021 |
| Oliver White | 1313 Main Street | 555-2345 | 4/1/2021 |
| Peter Black | 1414 Elm Street | 555-6789 | 5/1/2021 |
| Quinn Gray | 1515 Oak Street | 555-0123 | 6/1/2021 |
| Rachel Blue | 1616 Main Street | 555-4567 | 7/1/2021 |
| Samuel Purple | 1717 Elm Street | 555-8901 | 8/1/2021 |
| Tina Yellow | 1818 Oak Street | 555-2345 | 9/1/2021 |
| Umar Orange | 1919 Main Street | 555-6789 | 10/1/2021 |
| Victoria Pink | 2020 Elm Street | 555-0123 | 11/1/2021 |
| Walter Brown | 2121 Oak Street | 555-4567 | 12/1/2021 |
| Xavier White | 2222 Main Street | 555-8901 | 1/1/2022 |
| Yara Black | 2323 Elm Street | 555-2345 | 2/1/2022 |
| Zoe Gray | 2424 Oak Street | 555-6789 | 3/1/2022 |

Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

October 13, 1983
ANPP-28004 - WFQ/MSN

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
Docket Nos. STN-50-528/529/530
File: 83-056-026; G.1.01.10

Reference: (A) APS Letter from E. E. Van Brunt, Jr., APS, to
G. Knighton, NRC, ANPP-27425 - WFQ/TFQ,
dated July 28, 1983.
(B) NRC letter from R. L. Tedesco, to A. E. Scherer,
Combustion Engineering, Inc. "Depressurization and
Decay Heat Removal Capability of the CESSAR Design",
dated March 26, 1982.

Dear Mr. Knighton:

Reference (A) transmitted the following information:

1. CEN-239, Supplement 3, Probabilistic and Risk Assessment of the effects of PORV's on Depressurization and Decay Heat Removal, Palo Verde Nuclear Generating Station, Units 1, 2 and 3, July, 1983.
2. Responses to Plant Specific Questions on Depressurization and Decay Heat Removal (Questions 6a, 6b and 12), Palo Verde Nuclear Generating Station, Units 1, 2 and 3, July, 1983.

Enclosed for your review are seven (7) copies of CEN-239, Supplement 3, Revision 1, the updated response to questions 8 through 11 of Reference (B). This revision amplifies, updates, and reflects the present analysis results. These changes are the results of a more detailed treatment of the automatic PORV cases and a more complete analysis of auxiliary feedwater restoration.

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Mr. G. W. Knighton
Page 2
October 13, 1983
ANPP-28004 - WFQ/MSN

We concluded in Reference (A) that the results of the information developed in response to the NRC's questions indicate that the existing capability of PVNGS for Depressurization and Decay Heat Removal is adequate and comparable to the capability that could be provided by the addition of PORV's, and that from cost/benefit and offsite dose analyses, there appears to be no clear benefit or incentive to justify the addition of PORV's for PVNGS. The enclosed information further supports our position.

Please contact me if you have any questions on this matter.

Very truly yours,

E. E. Van Brunt @gk

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

EEVB/MSN/sp
Attachment

cc: E. A. Licitra
A. G. Gehr
T. G. Woods

October 13, 1983
ANPP-28004 - WFQ/MSN

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, A. Carter Rogers, represent that I am Nuclear Engineering Manager 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 behalf, the statements made therein are true.

A. Carter Rogers
A. Carter Rogers

Sworn to before me this 12th day of October, 1983

Nora E. Mendon
Notary Public

My Commission expires:

my Commission Expires April 6, 1987



U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT