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AUTH. NAME AUTHOR AFFILIATION  
 VAN BRUNT, E.E. Arizona Public Service Co.  
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 Office of Nuclear Reactor Regulation, Director

APPL 4

SUBJECT: Forwards Amend 3 to Palo Verde 1, 2 & 3 FSAR. *Rev 2/17/81*

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December 18, 1980  
ANPP-16853-JMA/WFQ

Director of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Subject: Palo Verde Nuclear Generating Station  
Unit 1, 2 and 3  
Docket Nos. STN-50-528/529/530

Dear Sir:

Arizona Public Service Company (APS), as Project Manager and Operating Agent for Palo Verde Nuclear Generating Station (PVNGS) Units 1, 2 & 3, is submitting herewith sixty (60) copies of Amendment 3 to the PVNGS Units 1, 2 & 3 Final Safety Analysis Report.

This amendment provides an update to the Final Safety Analysis Report.

Respectfully submitted,

ARIZONA PUBLIC SERVICE COMPANY

By: Edwin E. Van Brunt  
Edwin E. Van Brunt, Jr.  
APS Vice President,  
Nuclear Projects  
ANPP Project Director

EEVBJr/WFQ/wp

cc: J. Kerrigan

On its own behalf and as agent for  
all other joint applicants.

State of Arizona )  
                          ) ss.  
County of Maricopa)

Subscribed and sworn to before me this 9 day of DECEMBER 1980.

My Commission expires: Jan 23 1983

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AMENDMENT NO. 3

INTRODUCTION

Amendment No. 3 to the Final Safety Analysis Report for Palo Verde Nuclear Generating Station Units 1, 2 and 3 comprises insert pages that address:

1. The remaining question contained in enclosure 1 to the NRC letter from Mr. D. G. Eisenhower to E. E. Van Brunt, Jr., dated June 18, 1980
2. Miscellaneous text, table, and figure updates and corrections

A change bar and number "3" identify new and amended text; shading identifies amended areas of illustrations. "Amendment 3" and the date "December 1980" identify pages and figures changed by the amendment.

When an insert page in the Amendment has the same number as an existing page in the FSAR, the existing page has been superseded and should be deleted. Where an insert page does not duplicate an existing page, the insert page is new and should be placed in its proper location in the FSAR.

Those holders of the License Application should insert the transmittal letter, included herein, in the License Application.



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 1.9-11/Blank  
 3-vii/-viii  
 3-xiii/-xiv  
 3-xivA/-xivB  
 3-xvii/-xviii  
 3-xix/-xx  
 3-xxi/-xxii  
 3-xxiii/Blank  
 Figure 3.6-2 through  
 Figure 3.6-9  
 Figure 3.6-11  
 Figure 3.6-13 through  
 Figure 3.6-19  
 Figure 3.6-21  
 Figure 3.6-22  
 Figure 3.6-29  
 3.8-9/-10  
 3.8-13/-14  
 3.8-14A/-14B  
 3.8-19/-20  
 3.8-20A/-20B  
 3.8-20C/-20D  
 3.8-20E/-20F  
 3.8-20G/-20H  
 3.8-20I/-20J

## CHANGE PAGE LIST FOR AMENDMENT 3 (cont)

RemoveInsert

-	3.8-20K/-20L
3.8-51/-52	3.8-51/-52
3.8-53/-54	3.8-53/-54
3.8-54A/-54B	3.8-54A/-54B
3.8-85/-86	3.8-85/-86
3.8-86A/-86B	3.8-86A/-86B
-	3.8-86C/-86D
-	3.8-86E/-86F
-	3.8-86G/-86H
3.8-95/-96	3.8-95/-95A
-	3.8-95B/-95C
-	3.8-95D/-95E
-	3.8-95F/-95G
-	3.8-95H/-95I
-	3.8-95J/-95K
-	3.8-95L/-95M
-	3.8-95N/-96
-	Figure 3.8-22A
3.10-5/-6	3.10-5/-6
3B.10-13/-14	3B.10-13/-14
Figure 5.1-1 (1 of 2)	Figure 5.1-1 (1 of 2)
Figure 5.1-1 (2 of 2)	Figure 5.1-1 (2 of 2)
5.2-3/-3A	5.2-3/-3A
5.2-4A/-4B	5.2-4A/-4B
5.2-5B/-5C	5.2-5B/-5C
6-ix/-x	6-ix/-x
6.2.1-21/-22	6.2.1-21/-22
6.2.1-97/-98	6.2.1-97/-98
-	Figure 6.2.1-20
6.2.4-25/-26	6.2.4-25/-26
6.2.4-27/Blank	6.2.4-27/Blank



## CHANGE PAGE LIST FOR AMENDMENT 3 (cont)

Remove

Figure 6.2.5-1  
Figure 6.3-1 (1 of 3)  
Figure 6.3-1 (3 of 3)  
7.1-15/-16  
8-i/-ii  
8.3-37/-38 through  
8.3-49/-50  
8.3-79/-80  
-  
8.3-89/-90 through  
8.3-95/-96  
8.3-99/-100  
8.3-103/-104  
8.3-105/-106  
Figure 9.1-9  
9.2-101/-102  
Figure 9.2-1 (1 of 2)  
Figure 9.2-1 (2 of 2)  
Figure 9.2-3  
Figure 9.2-4 (1 of 3)  
Figure 9.2-4 (2 of 3)  
Figure 9.2-4 (3 of 3)  
Figure 9.2-5 (1 of 2)  
Figure 9.2-5 (2 of 2)  
Figure 9.2-7  
Figure 9.2-8 (1 of 3)  
Figure 9.2-8 (2 of 3)  
Figure 9.2-8 (3 of 3)  
Figure 9.2-9  
Figure 9.2-10  
Figure 9.2-11

Insert

Figure 6.2.5-1  
Figure 6.3-1 (1 of 3)  
Figure 6.3-1 (3 of 3)  
7.1-15/-16  
8-i/-ii  
8.3-37/-38 through  
8.3-49/-50  
8.3-79/-80  
8.3-80A/-80B  
8.3-89/-90 through  
8.3-95/-96  
8.3-99/-100  
8.3-103/-104  
8.3-105/-106  
Figure 9.1-9  
9.2-101/-102  
Figure 9.2-1 (1 of 2)  
Figure 9.2-1 (2 of 2)  
Figure 9.2-3  
Figure 9.2-4 (1 of 3)  
Figure 9.2-4 (2 of 3)  
Figure 9.2-4 (3 of 3)  
Figure 9.2-5 (1 of 2)  
Figure 9.2-5 (2 of 2)  
Figure 9.2-7  
Figure 9.2-8 (1 of 3)  
Figure 9.2-8 (2 of 3)  
Figure 9.2-8 (3 of 3)  
Figure 9.2-9  
Figure 9.2-10  
Figure 9.2-11

## CHANGE PAGE LIST FOR AMENDMENT 3 (cont)

Remove

Figure 9.3-1 (1 of 3)  
Figure 9.3-1 (2 of 3)  
Figure 9.3-2  
Figure 9.3-3 (1 of 3)  
Figure 9.3-3 (2 of 3)  
Figure 9.3-3 (3 of 3)  
Figure 9.3-4  
Figure 9.3-5  
Figure 9.3-7  
Figure 9.3-8  
Figure 9.3-9  
Figure 9.3-10 (1 of 3)  
Figure 9.3-10 (2 of 3)  
Figure 9.3-11 (4 of 4)  
Figure 9.3-12  
Figure 9.3-13 (1 of 5)  
Figure 9.3-13 (2 of 5)  
Figure 9.3-13 (3 of 5)  
Figure 9.3-13 (4 of 5)  
Figure 9.3-13 (5 of 5)  
Figure 9.3-14 (1 of 3)  
Figure 9.3-14 (2 of 3)  
Figure 9.3-14 (3 of 3)  
Figure 9.4-1 (1 of 2)  
Figure 9.4-1 (2 of 2)  
Figure 9.4-12 (1 of 3)  
Figure 9.4-12 (2 of 3)  
Figure 9.4-12 (3 of 3)  
Figure 9.4-13  
9.5-1/-2  
9.5-7/-8

Insert

Figure 9.3-1 (1 of 3)  
Figure 9.3-1 (2 of 3)  
Figure 9.3-2  
Figure 9.3-3 (1 of 3)  
Figure 9.3-3 (2 of 3)  
Figure 9.3-3 (3 of 3)  
Figure 9.3-4  
Figure 9.3-5  
Figure 9.3-7  
Figure 9.3-8  
Figure 9.3-9  
Figure 9.3-10 (1 of 3)  
Figure 9.3-10 (2 of 3)  
Figure 9.3-11 (4 of 4)  
Figure 9.3-12  
Figure 9.3-13 (1 of 5)  
Figure 9.3-13 (2 of 5)  
Figure 9.3-13 (3 of 5)  
Figure 9.3-13 (4 of 5)  
Figure 9.3-13 (5 of 5)  
Figure 9.3-14 (1 of 3)  
Figure 9.3-14 (2 of 3)  
Figure 9.3-14 (3 of 3)  
Figure 9.4-1 (1 of 2)  
Figure 9.4-1 (2 of 2)  
Figure 9.4-12 (1 of 3)  
Figure 9.4-12 (2 of 3)  
Figure 9.4-12 (3 of 3)  
Figure 9.4-13  
9.5-1/-2  
9.5-7/-8

## CHANGE PAGE LIST FOR AMENDMENT 3 (cont)

Remove

9.5-9/-10  
9.5-15/-16  
9.5-25/-26  
9.5-27/-28  
Figure 9.5-1 (1 of 6)  
Figure 9.5-1 (5 of 6)  
Figure 9.5-1 (6 of 6)  
Figure 9.5-7  
Figure 9.5-9  
Figure 10.2-1 (1 of 3)  
Figure 10.2-1 (3 of 3)  
Figure 10.2-2 (1 of 5)  
10.3-9/-10  
Figure 10.3-1 (1 of 2)  
Figure 10.3-1 (2 of 2)  
10.4-49/-50  
Figure 10.4-1  
Figure 10.4-4  
Figure 10.4-5  
Figure 10.4-7  
Figure 10.4-8  
Figure 10.4-9 (3 of 3)  
Figure 10.4-10  
Figure 10.4-11  
Figure 11.2-2 (3 of 3)  
Figure 11.3-2  
Figure 11.4-2 (1 of 2)  
14A-1/Blank  
16.3/4.7-15/-16  
16.3/4.8-5/-6  
16.5-1/-2

Insert

9.5-9/-10  
9.5-15/-16  
9.5-25/-26  
9.5-27/-28  
Figure 9.5-1 (1 of 6)  
Figure 9.5-1 (5 of 6)  
Figure 9.5-1 (6 of 6)  
Figure 9.5-7  
Figure 9.5-9  
Figure 10.2-1 (1 of 3)  
Figure 10.2-1 (3 of 3)  
Figure 10.2-2 (1 of 5)  
10.3-9/-10  
Figure 10.3-1 (1 of 2)  
Figure 10.3-1 (2 of 2)  
10.4-49/-50  
Figure 10.4-1  
Figure 10.4-4  
Figure 10.4-5  
Figure 10.4-7  
Figure 10.4-8  
Figure 10.4-9 (3 of 3)  
Figure 10.4-10  
Figure 10.4-11  
Figure 11.2-2 (3 of 3)  
Figure 11.3-2  
Figure 11.4-2 (1 of 2)  
14A-1/Blank  
16.3/4.7-15/-16  
16.3/4.8-5/-6  
16.5-1/-2

