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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  
 KNIGHTON, G. W. Licensing Branch 3

SUBJECT: Provides status rept on SSER 7 ref fire protection-related design change packages under 10CFR50, App R, mods scheduled for completion by 850401.

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## Arizona Nuclear Power Project

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ANPP-32277-EEVB/WFQ

March 29, 1985

Director of Nuclear Reactor Regulation  
Mr. George W. 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(License No. NPF-34)/529/530  
Fire Protection Modifications and  
Compensatory Measures.  
File: 85-056-026; G.1.01.10

- References:
- (1) Letter from E. E. Van Brunt, Jr., ANPP, to G. W. Knighton, NRC, dated October 2, 1984 (ANPP-30709); Subject: Fire Protection Modifications and Compensatory Measures.
  - (2) Letter from E. E. Van Brunt, Jr., ANPP, to G. W. Knighton, NRC, dated November 13, 1984 (ANPP-31101); Subject: 10 CFR 50, Appendix R, Spurious Actuation Analysis.
  - (3) Letter from E. E. Van Brunt, Jr., ANPP, to G. W. Knighton, NRC dated November 21, 1984 (ANPP-31195).
  - (4) Letter from E. E. Van Brunt, Jr., ANPP, to G. W. Knighton, NRC, dated December 5, 1984 (ANPP-31335).
  - (5) SER Supplement No. 7.

Dear Mr. Knighton:

This will confirm D. K. Neal's March 27 and 28, 1985 telephone conversations with Messrs. E. A. Licitra and D. J. Kubicki. SER Supplement No. 7 references a number of fire protection related Design Change Packages (DCP's) mostly related to 10 CFR 50 Appendix R. These were scheduled to be completed by April 1, 1985. There are seven such areas of reference in Supplement No. 7 outlined below. Following is a status report on these modifications:

1. SER Supplement No. 7, Page 9-3 Water Supply System, second paragraph, "to add an indicating-type valve and piping that will isolate the hose stations on elevation 120 ft and 140 ft so that a single break will not interrupt primary and secondary fire suppression systems." This was done with DCP 10M-FP-801 and is complete (Reference 4).
2. Page 9-6, Fire Detection System, third paragraph, "committed to install additional fire detectors above suspended ceilings in the computer room (Zone 16) and in the Auxiliary Building laboratory rooms (Zones 57A and 57K) before April 1, 1985." This is being done under DCP's 10M-QK-017 and 10M-QK-018. These have been installed and are being tested. Final tests are expected to be complete and the detectors in service by April 15, 1985 or prior to initial criticality.

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3. Page 9-9, first paragraph, "to install automatic Halon fire suppression systems in each of these rooms (Zones 10A and 10B) by April 1, 1985." This is being done under DCP 10M-FP-124. Final acceptance tests are being conducted and the systems are expected to be in service by April 15, 1985 or prior to initial criticality.
4. Page 9-9, third paragraph, "modifications will be implemented to improve the integrity of certain existing fire barriers so as to satisfy staff concerns." This is being done under DCP's 10M-FP-096, 1SA-FP-104 which are expected to be completed by April 15, 1985 or prior to initial criticality and by DCP 1SA-FP-109 which is complete.
5. Page 9-9, fourth paragraph, "the structural steel which supports the floor of Fire Area XVII (auxiliary building) will be protected by a fireproofing material that is 1-hour fire rated." This was done under DCP 1SA-FP-117 and is complete.
6. Page 9-10, last paragraph, "For two other doors (J208 and J408), the applicant has committed to install local sprinkler protection to protect the doors in the event of a significant fire." This was done under DCP 10M-FP-133. Installation and testing is complete and the sprinklers are now in service.
7. Page 9-16, fifth paragraph, "As a further result of the spurious actuation and associated circuit analyses, the applicant committed to implement a number of modifications to satisfy the staff's guidelines or to mitigate staff concerns. These commitments are contained in letters dated October 2, 1984 (Reference 1), November 13, 1984 (Reference 2), and November 21, 1984 (Reference 3). These are being done under the following DCP's: (Refer to the above letters for a description of each DCP).

<u>DCP</u>	<u>Status</u>
1SJ-EC-037	Complete.
1SJ-EW-025	Complete.
1SJ-RC-135	All physical work and testing complete.
1SJ-SI-144	All physical work and testing complete.
1SJ-HA-037	All physical work and testing complete.
1SJ-HJ-040	All physical work and testing to be completed by 4/15/85 or prior to initial criticality.

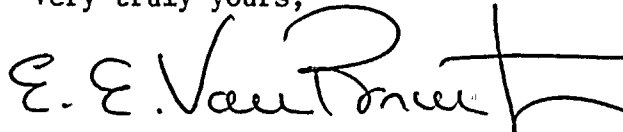


1SN-SS-024	All physical work and testing to be completed by 4/15/85 or prior to initial criticality.
1SM-FP-123	Complete.
1SE-QD-009	All physical work and testing to be completed prior to initial criticality.
1SE-PK-033	All physical work and testing to be completed by 4/15/85 or prior to initial criticality.
1SJ-CH-190	All physical work and testing complete.
1SE-ZA-122	All physical work and testing complete.
1OM-DG-045	All physical work and testing complete.
1OE-HA-039	All physical work and testing complete.
10J-SG-129	All physical work and testing to be completed by 4/15/85 or prior to initial criticality.
1OM-QK-014	All physical work and testing to be completed by 4/15/85 or prior to initial criticality.
1OE-RC-138	All physical work and testing complete.
1SM-FP-127	Complete.

For the above DCP's which are still in work, the compensatory measures described in the referenced letters consisting of an hourly fire watch patrol will remain in effect in these areas until all physical work and testing of the DCP is complete. All of the fire protection related DCP's referenced herein which are not already completed are scheduled to have all physical work and testing completed prior to initial criticality.

We are proceeding as indicated. Please let me know if you have any questions on this information.

Very truly yours,



E. E. Van Brunt, Jr.  
Executive Vice President  
Project Director

EEVB/DKN/mb

cc: E. A. Licitra  
D. J. Kubicki  
A. C. Gehr  
R. P. Zimmerman

