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SUBJECT: Forwards Pages 9.5-1/9.5-1A & 9.5-1B/9.5-2 to replace Pages 9.5-1/9.5-2 erroneously provided as part of FSAR Amend 3 in Vol 8.

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Bechtel Power Corporation

Interoffice Memorandum

To Holders of

Subject Palo Verde Nuclear Generating Station Final Safety Analysis Report (FSAR)

File No.

Date January 19, 1981

From Document Processing 46A

Of Records Management

At Los Angeles Ext. 325

Copies to

Enclosed are Palo Verde FSAR Amendment 3 pages 9.5-1/9.5-1A and 9.5-1B/9.5-2 to replace pages 9.5-1/9.5-2 erroneously provided as part of Amendment 3 in Volume 8.

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9.5 OTHER AUXILIARY SYSTEMS

9.5.1 FIRE PROTECTION SYSTEM

The fire protection system (FPS) is designed to detect, contain, and extinguish fires in the plant.

The fire protection water supply and pumping equipment is shared by all units. Other fire protection equipment described below is provided for each unit individually.

Where referred to in this section, the fire protection system includes fire detection and extinguishing systems and equipment. It is exclusive of such design elements as physical separation, barrier separation, and burning characteristics of combustibles, which limit the propagation of fire, but do not actively extinguish it.

The report "Fire Protection Evaluation for the Arizona Public Service Palo Verde Nuclear Generating Station Units 1, 2 and 3", May 31, 1977, as amended August 1978, Docket Numbers STN-50-528, STN-50-529, and STN-50-530, (FPE), describes and discusses the effects that various postulated fires may have on areas of the plant which contain safety-related structures, systems, and components. This report addresses the requirements of BTP APCSB 9.5-1. 3

Carpeting is utilized in the PVNGS control room for noise and dust control, to reduce operator fatigue and to enhance the man-machine interface. The carpeting is listed by a nationally recognized testing laboratory as having a flame spread rating, fuel contribution and smoke density of 25 or less when tested under ASTM E-84. 1

9.5.1.1 Design Bases

9.5.1.1.1 Safety Design Bases

Safety design bases pertinent to the fire protection system are as follows:

A. Safety Design Basis One

The fire protection system shall be designed to minimize, consistent with other safety requirements, the effects of fires on structures, systems, and components important to safety, in accordance with 10CFR50, Appendix A, General Design Criterion 3, Fire Protection.

B. Safety Design Basis Two

Fire protection systems shall be designed so that their rupture or inadvertent operation does not significantly impair the function of plant structures, systems, and components important to safety, in compliance with 10CFR50, Appendix A, General Design Criterion 3, Fire Protection.

C. Safety Design Basis Three

Fire protection system components shall be designed to preclude their structural failure due to seismic loading which could cause loss of function to safety-related systems or components, in compliance with 10CFR50, General Design Criterion 3, Fire Protection.

D. Safety Design Basis Four

American Nuclear Insurer's (ANI) recommendations shall be followed such that fire hazards and potentials are reduced during construction of multiple unit plants when one or more units are in operation.

E. Safety Design Basis Five

Structures, systems, and components important to safety shall be designed and located to minimize the fire hazards consistent with other plant safety requirements. This requirement is in compliance with 10CFR50 General Design Criterion 3, Fire Protection. Non-combustible and heat resistant materials shall be used wherever practicable throughout the plant.

The basic fire protection for engineered safety features (ESF) shall be achieved through separation of systems serving the same safety function or by fire barriers between such installations. Plant fire barriers, walls, and enclosures shall be rated and located as set forth in the PVNGS FPE.

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