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ANPP-31497-EEVB/WFQ/DKN
December 17, 1984

REGION V I&F

Mr. John B. Martin, Administrator
U.S. Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Fire Protection - Exhaust Duct in
Flammable Gas Storage Room
File: 84-056-026; G.1.01.10

Reference: Letter from E. E. Van Brunt, Jr., APS, to J. B. Martin,
NRC Region V, dated December 4, 1984 (ANPP-31310);
Subject: Fire Protection Review.

Dear Mr. Martin:

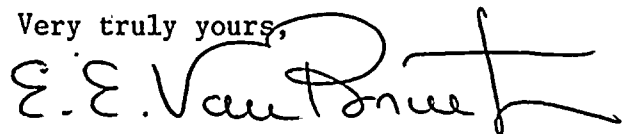
Question 6 of the referenced letter expressed a concern about the lack of a return air ventilation duct in the subject room on the 140' level of the Auxiliary Building. Also the NRC exit meeting held in November recorded that the room may not meet NFPA 51. The following is our evaluation.

The original design did not include an exhaust duct within the room but the design was changed to include an exhaust duct as shown on P&ID 13-M-HAP-003 and HVAC Plan Drawing 13-P-ZAC-208. As shown on the P&ID, air enters the room from the corridor and leaves the room through an exhaust register near the top of the room.

The NRC concern came about during an inspection when inspectors noted air blowing into the room from the exhaust register. Because welding activity still continues in the Auxiliary Building, the building exhaust fans are not running due to potential contamination of the charcoal filters. However, the building supply fans are running which will cause pressurized rooms to equalize through the exhaust duct work. The duct, however, is a return and was flow balanced to withdraw 50 CFM from the storage room. The design does meet the requirements of NFPA 51 for ventilation and the building exhaust fans will be started when construction activity is completed.

If you have any questions, please contact Mr. W. F. Quinn of my staff.

Very truly yours,



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

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

