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Docket Nos.: 50-528, 50-529
and 50-530

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~~Docket File 50-528/529/530~~

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NRC PDR

LPDR

NSIC

PRC System

LB#3 Reading

JLee

MLey

CLiang

LMarsh

BSheron

JPartlow

BGrimes

EJordan

Attorney, ELD.

ACRS (16)

Dear Mr. Van Brunt:

Subject: Request for Additional Information

The staff is currently reviewing your recent submittals dated October 15, 22 and November 4, 1985 concerning the Auxiliary Presurizer Spray System and the Pressurizer Gas Vent System. However, additional information is needed to complete the review. This is described in the enclosed Request for Additional Information and was discussed with your staff in a telecon on November 20, 1985.

Your response to the enclosed request is needed as soon as possible. Staff resolution of this issue is needed prior to low power licensing of Palo Verde Unit 2. If you have any questions concerning this request, please contact Ms. Marilyn Ley, Licensing Project Manager for Unit 2, at (301) 492-7792.

Sincerely,

George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing

Enclosure:
Request for Additional
Information

cc: See next page

ruy
DL:LB#3
MLey/yt
11/25/85

GW
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GWKnighton
11/25/85

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PDR ADOCK 05000528
PDR

Mr. E. E. Van Brunt, Jr.
Arizona Nuclear Power Project

Palo Verde

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PALO VERDE UNITS 1, 2, AND 3
REQUEST FOR ADDITIONAL INFORMATION
CONCERNING THE WATER SUPPLIES TO CHARGING PUMPS

1. Discuss the procedures to be used for venting the charging pump suction and discharge piping following an introduction of hydrogen from the Volume Control Tank. Address the following staff concerns related to this potential:
 - a. Possible hydrogen explosion during the gas venting process;
 - b. Possible damage to the charging pumps;
 - c. Operator's safety while performing the venting process.

The Arizona Nuclear Power Project (ANPP) should propose an appropriate demonstration of the gas venting process to ensure that the procedures are viable.

2. Provide system description and PI&Ds of the reactor gas vent system from the pressurizer. The information currently available in the FSAR is inconsistent with the ANPP's presentation to the ACRS during the November 5, 1985 meeting. Confirm that the gas vent valves are safety grade solenoid operated valves and the entire gas vent system is designed to safety grade standards. (The schematic diagram of the gas vent system in the FSAR indicated that the gas vent valves are air operated valves.)
3. The forthcoming natural circulation cooldown test should demonstrate that the water inventory above the upper connection of the refueling water tank is sufficient for a plant cooldown to the cold shutdown condition.

4. It is the staff's understanding that the charging loop isolation valves (CH-239 and CH-240) are environmentally qualified. Provide clarification of the information presented in Attachment 2(a), sheet 3 of 4, of the ANPP letter dated October 15, 1985 (ANPP-33713) which indicated that these loop isolation valves are not environmentally qualified.

