

December 19, 1996

Mr. James M. Levine
Executive Vice President, Nuclear
Arizona Public Service Company
Post Office Box 53999
Phoenix, Arizona 85072-3999

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) FOR PRESSURIZER AUXILIARY
SPRAY LINE THERMAL STRATIFICATION FOR THE PALO VARDE NUCLEAR
GENERATING STATION (TAC NOS. M88682, M88683, AND M88684)

Dear Mr. Levine:

We have completed our review of your letter dated September 28, 1996. To assist the staff in completing its evaluation of the conclusions reached in your letter, we request that you provide the additional information requested in the enclosure.

Please contact me at 301-415-1352 if you have any questions.

Sincerely,

Original signed by:

James W. Clifford, Senior Project Manager
Project Directorate IV-2
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

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

Enclosure: Request for Additional
Information

cc w/encl: See next page

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cc w/encl:

Mr. Steve Olea
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Los Angeles Department of Water & Power
Southern California Public Power Authority
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ENCLOSURE

REQUEST FOR ADDITIONAL INFORMATION

PRESSURIZER AUXILIARY SPRAY LINE THERMAL STRATIFICATION

PALO VERDE NUCLEAR GENERATING STATION

The following additional information is requested to assist the staff in its review of the licensee's September 28, 1996, letter.

1. Provide an isometric diagram of the pressurizer auxiliary spray line and the main spray line, showing length, pipe sizes, and the location of all thermocouples used to measure the stratification.
2. Provide a diagram of the valve through which the leakage was detected. State the leakage quantity, and the time interval it has been leaking. Describe any plans to correct the leakage, including repair or replacement if applicable.
3. Provide the measured temperature time-histories for all thermocouples before and after the start of leakage to the present, or to the time the valve had been replaced.
4. Provide the basis for the statement "...interaction at the piping tee between the leakage flow and main spray flow is not expected to cause any cycling at the tee due to the relatively low main spray flow." Provide temperature measurements and/or an analytical basis to support this statement.
5. State that the pressurizer auxiliary spray line/main spray line systems in Unit 1 and 2 are identical to that of Unit 3. If not, describe the differences.

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