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POWER SYSTEMS

STN 50-470F

September 18, 1984
LD-84-051

Mr. Darrell G. Eisenhut, Director
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: CESSAR Confirmatory Issues 1 and 2

Reference: NRC Letter, C. O. Thomas to A. E. Scherer, dated March 27, 1984

Dear Mr. Eisenhut:

The Reference identified what the Staff considers to be vulnerability for a potential single failure of the System 80™ auxiliary pressurizer spray system. This potential single failure centered on the possibility of valve CH-240 sticking in the full open position, thus substantially reducing the auxiliary spray system flow and, consequently, the plant depressurization rate.

To resolve this concern, C-E will add an additional valve to this portion of the Chemical and Volume Control System (CVCS) described in CESSAR. The additional valve will be positioned in series with CH-240. The valve will be procured to the same quality and seismic standards as CH-240, and will either be a fail-closed valve or it will be powered from an emergency power supply. Figure 9.3-4 (P&ID for the CVCS) will be modified to show addition of the valve in a later amendment to CESSAR-F.

We understand that this change closes out Confirmatory Issues 1 (Shutdown Cooling Analysis) and 2 (Steam Generator Tube Rupture) as identified in Supplement No. 2 to the CESSAR Safety Evaluation Report (NUREG-0852). If you have any additional questions or comments on this issue, please feel free to call me or Mr. T. J. Collier of my staff at (203) 285-5215.

Very truly yours,

COMBUSTION ENGINEERING, INC.

A. E. Scherer
Director
Nuclear Licensing

AES:las
cc: K. Eccleston (USNRC Project Manager)

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