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MURRAY R. EDELMAN

VICE PRESIDENT
NUCLEAR

December 19, 1984
PY-CEI/NRR-0154 L

Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Perry Nuclear Power Plant
Dockets Nos. 50-440; 50-441
NUREG 0737 Item II.E.4.2 (6)

Dear Mr. Youngblood:

This letter forwards information related to NUREG 0737 Item II.E.4.2.(6) on containment purge valve operability. Included as attachments are results of the vendor analyses performed on the 18 and 42 inch purge valves, respectively. These conservative analyses are in accordance with Standard Review Plan (SRP) 6.2.4, Section II.6.n. The worst case analyses were based on LOCA containment pressure versus time, system response (delay) time, piping geometry upstream of the valve, valve orientation, direction of valve closure, and sizing factors.

The reports conclude that both the 18 and 42 inch valves meet the NRC SRP criteria, with the condition that the 42" valves be limited to a 50° opening angle. This limitation has been incorporated into the design, and installation of the blocking devices on the valve actuators is in progress at this time.

These devices are removed during refueling purge operations. Plant administrative controls and procedures will address the removal and replacement of the blocking devices.

Your November 14, 1984 letter on this subject included two attachments which had previously been provided to PNPP. The guidelines and questions presented in these attachments were considered in the preparation of the reports. In regards to the "Specific Valve Type Questions" for which you requested responses, the first (on back pressure) is addressed in the reports, while the rest are not applicable to the valves and actuators utilized at PNPP.

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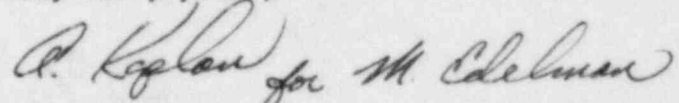
Mr. B. J. Youngblood

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If there are any questions, please feel free to call.

Very truly yours,

A handwritten signature in cursive script, appearing to read "A. Kaplan for M. Edelman".

Murray R. Edelman
Vice President
Nuclear Group

MRE:njc

Attachments

cc: Jay Silberg, Esq.
John Stefano (2)
J. Grobe

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