

May 16, 1988

Docket No. 50-483

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Mr. Donald F. Schnell
 Vice President - Nuclear
 Union Electric Company
 Post Office Box 149
 St. Louis, Missouri 63166

Dear Mr. Schnell:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING CONTAINMENT VESSEL STRUCTURAL INTEGRITY APPLICATION (TAC #59771)

The staff is continuing its review of your September 18, 1985 submittal concerning your containment vessel structural integrity application. The staff requests additional information identified in the enclosure to continue its review.

This request for information affects fewer than 10 respondents; therefore, OMB clearance is not required under Pub. L. 96-511.

Sincerely,

TSI

Thomas W. Alexion, Project Manager
 Project Directorate III-3
 Division of Reactor Projects - III,
 IV, V and Special Projects

Enclosure:
As stated

cc: See next page

Office: LA/PDIII-3
 Surname: PKreutzer
 Date: 5/13/88

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 PDR ADOCK 05000483
 P PDR

Mr. D. F. Schnell
Union Electric Company

Callaway Plant
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cc:

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REQUEST FOR ADDITIONAL INFORMATION

Any of the conditions, viz: (1) the average prestressing forces of the sampled tendons falling below the minimum required prestress; (2) more than one tendon force out of three adjoining tendons falling between their predicted lower bound force and 90% of the lower bound; or (3) any of the sampled tendons falling below 90% of its predicted lower bound, could be indicative of gross containment capacity deterioration, if the sampled tendon results are extrapolated to the entire population in a group. Although it is recognized that a condition representing such an extrapolation is highly unlikely, the availability of the containment to withstand the designated loadings could be questioned.

For those cases of extrapolation of conditions 1, 2 or 3 above, provide justification to show why the plant should be allowed to keep on operating for the 15-day period proposed in the technical specification amendment. An acceptable way to justify the proposed amendment is to use a statistically based evaluation. That evaluation could demonstrate the performance of similarly fabricated and protected tendons, with a 95% confidence that there is less than a 5% chance for gross degradation of containment capacity. Gross degradation is defined as a condition of containment under which the containment cannot withstand the design basis loadings under the FSAR-designated acceptance criteria and design margins.