

May 24, 1988

Docket No. 50-482

Mr. Bart D. Withers  
President and Chief Executive Officer  
Wolf Creek Nuclear Operating Corporation  
Post Office Box 411  
Burlington, Kansas 66839

Dear Mr. Withers:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING CONTAINMENT  
VESSEL STRUCTURAL INTEGRITY APPLICATION (TAC NO. 60265)

The staff is continuing its review of your December 6, 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 P.L. 96-511.

Sincerely,  
*/s/*

Paul W. O'Connor, Project Manager  
Project Directorate - IV  
Division of Reactor Projects - III,  
IV, V and Special Projects

Enclosure:  
As stated

cc w/enclosure:  
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*/s/*  
Paul W. O'Connor, Project Manager  
Project Directorate - IV  
Division of Reactor Projects - III,  
IV, V and Special Projects

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JCalvo  
05/24/88



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555  
May 24, 1988

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Sincerely,

A handwritten signature in cursive script that reads "Paul W O'Connor".

Paul W. O'Connor, Project Manager  
Project Directorate - IV  
Division of Reactor Projects - III,  
IV, V and Special Projects

Enclosure:  
As stated

cc w/enclosure:  
See next page

Mr. Bart D. Withers  
Wolf Creek Nuclear Operating Corporation

Wolf Creek Generating Station  
Unit No. 1

cc:

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Arlington, Texas 76011

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Wolf Creek Nuclear Operating Corp.  
P. O. Box 411  
Burlington, Kansas 66839

ENCLOSURE

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.