

February 8, 1991

Docket No. 50-482

DISTRIBUTION

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

Docket File OGC  
NRC PDR EJordan  
Local PDR DPickett  
BBoger ACRS (10)  
Mvingilio EPeyton  
CGrimes GBagchi  
PDIV-2 Reading TAlexion  
PDIV-2 HAshar

Dear Mr. Withers:

SUBJECT: SEISMIC DESIGN CONSIDERATIONS FOR CERTAIN SAFETY-RELATED  
VERTICAL STEEL TANKS (TAC NO. 73099)

As a result of activities related to the technical resolution of Unresolved Safety Issue (USI) A-40, "Seismic Design Criteria," a determination was made that a potential safety issue existed with regard to the ability of the safety-related refueling water storage tank at your facility to maintain its structural and functional integrity during postulated earthquake events. We have subsequently requested and received various requests for additional information regarding the adequacy of the seismic design of this tank.

The staff has completed its review of your responses. Based on our review of the information that has been provided, the staff concludes that the design of the refueling water storage tank is in accordance with the guidelines provided in Revision 2 of Standard Review Plan 3.7.3, the Updated Safety Analysis Report (USAR) commitments, and other acceptable procedures, and is, therefore, acceptable.

Our safety evaluation is enclosed.

Sincerely,

(ORIGINAL SIGNED BY)

Douglas V. Pickett, Project Manager  
Project Directorate IV-2  
Division of Reactor Projects III/IV/V  
Office of Nuclear Reactor Regulation

Enclosure:  
Safety Evaluation

cc w/enclosure:  
See next page

9102140335 910208  
PDR ADOCK 050004B2  
P PDR

OFC	: PDIV-2/LA	: PDIV-2/PM	: PDIV-2/D	:
NAME	: EPeyton	: DPickett:ye	: CGrimes	:
DATE	: 2/5/91	: 2/7/91	: 2/7/91	:

OFFICIAL RECORD COPY  
Document No. SEISMIC DESIGN/TAC. NO. 73099

120031

*DFD*  
*11*

Mr. Bart D. Withers

- 2 -

February 8, 1991

cc w/enclosure:

Jay Silberg, Esq.  
Shaw, Pittman, Potts & Trowbridge  
1800 M Street, NW  
Washington, D.C. 20036

Mr. Chris R. Rogers, P.E.  
Manager, Electric Department  
Public Service Commission  
P. O. Box 360  
Jefferson City, Missouri 65102

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Senior Resident Inspector  
U. S. Nuclear Regulatory Commission  
P. O. Box 311  
Burlington, Kansas 66839

Mr. Robert Elliot, Chief Engineer  
Utilities Division  
Kansas Corporation Commission  
4th Floor - State Office Building  
Topeka, Kansas 66612-1571

Office of the Governor  
State of Kansas  
Topeka, Kansas 66612

Attorney General  
1st Floor - The Statehouse  
Topeka, Kansas 66612

Chairman, Coffey County Commission  
Coffey County Courthouse  
Burlington, Kansas 66839

Mr. Gerald Allen  
Public Health Physicist  
Bureau of Air Quality & Radiation Control  
Division of Environment  
Kansas Department of Health  
and Environment  
Forbes Field Building 321  
Topeka, Kansas 66620

Mr. Gary Boyer, Plant Manager  
Wolf Creek Nuclear Operating Corporation  
P. O. Box 411  
Burlington, Kansas 66839

Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76011

Mr. Otto Maynard, Manager  
Regulatory Services  
Wolf Creek Nuclear Operating Corporation  
P. O. Box 411  
Burlington, Kansas 66839