



October 16, 1991

ICAN109109

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Mail Station P1-137  
Washington, DC 20555

Subject: Arkansas Nuclear One - Unit 1  
Docket No. 50-313  
License No. DPR-51  
Technical Specification Change Request  
Revised Detail Engineering Calculation  
Auxiliary Building Crane

Gentlemen:

On October 8, 1991, a conference call was conducted between the NRC Staff and Entergy Operations personnel. The purpose of this call was to answer questions which had developed as a result of the Staff's review of Entergy Operations' submittal of October 4, 1991 (ICAN109105). This submittal transmitted revised calculation 91-E-0094-01 in support of Entergy Operation's Technical Specification change request dated June 27, 1991 (ICAN069104), which would allow an exemption to ANO-1 Technical Specification 3.8.15. The exemption would allow the use of the Auxiliary Building crane for the movement of a 17-ton spent fuel shipping cask. As a result of this call, it was agreed that Entergy Operations would revise Calculation 91-E-0094-01 to specifically calculate the bending moment at the center and the shear forces at the critical location for both the 24- and 27-foot spans. The attached revised calculation provides this requested information.

The calculation demonstrates that the shear forces at the critical location for the 24-foot span is the most limiting condition. Also, as originally calculated, the shear forces are within elastic limit bounds per ACI code and will not result in failure of the slab or the spalling of concrete onto the equipment below.

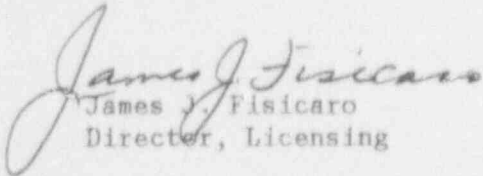
9110280149 911016  
PDR ADOCK 05000313  
P PDR

ADD 1/1

U. S. NRC  
October 16, 1991  
Page 2

We appreciate the time the Staff has spent on this review and their timeliness. If your staff should have any further questions, please contact my office.

Very truly yours,

  
James J. Fisicaro  
Director, Licensing

JJF/DEJ/sjf  
Attachment

cc: Mr. Robert Martin  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, TX 76011

NRC Resident Inspector  
Arkansas Nuclear One - ANO-1 & 2  
Number 1, Nuclear Plant Road  
Russellville, AR 72801

Mr. Thomas W. Alexion  
NRR Project Manager, Region IV/ANO-1  
U. S. Nuclear Regulatory Commission  
NRR Mail Stop 11-D-23  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852

Ms. Sheri Peterson  
NRR Project Manager, Region IV/ANO-2  
U. S. Nuclear Regulatory Commission  
NRR Mail Stop 11-D-23  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852