



Entergy Operations

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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 ANC-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.

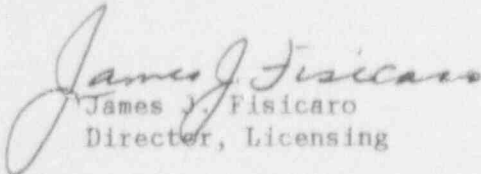
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We appreciate the time the Staff has spent on this review and their timeliness. If your staff should have any further questions, please contact my office.

Very truly yours,


James J. Fisicaro
Director, Licensing

JJF/DEJ/sjf
Attachment

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