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F. G. Burford  
Acting Director  
Nuclear Safety & Licensing

CNRO-2004-00025

April 21, 2004

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

SUBJECT: ANO-1 Relaxation Request #1 to NRC Order EA-03-009 for Reactor Pressure Vessel Head Penetration Nozzles

Arkansas Nuclear One, Unit 1  
Docket No. 50-313  
License No. DPR-51

REFERENCE: Entergy Operations, Inc. letter CNRO-2004-00008 to the NRC, Relaxation Request to NRC Order EA-03-009, dated February 8, 2004

In the referenced letter, Entergy Operations, Inc. (Entergy) requested relaxation from inspection requirements of NRC Order EA-03-009 for Arkansas Nuclear One, Unit 1 (ANO-1) via ANO-1 Relaxation Request #1. Specifically, the ANO-1 reactor pressure vessel (RPV) head penetration nozzles cannot be effectively examined as required by the Order.

On April 21, 2004, the NRC staff requested that Entergy respond to a question pertaining to ANO-1-Relaxation Request #1. The question and Entergy's response are provided below.

**NRC Question:**

Please confirm that the methodology used in your crack growth calculations is identical to the methodology used for the control element drive mechanism (CEDM) penetration nozzles at Arkansas Nuclear One, Unit 2 (ANO-2), which was approved by the NRC. If it is not the same, identify and discuss all of the differences including the justification and the level of conservatism.

**Entergy Response:**

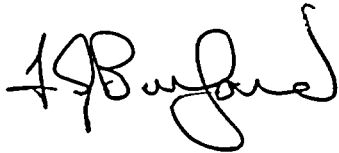
The methodology used in the crack growth calculations that support ANO-1 Relaxation Request #1 is identical to the methodology used in the crack growth calculations for the CEDM nozzles that supports the similar relaxation request for ANO-2.

A101

This letter contains no commitments.

Should you have any questions, please contact Guy Davant at (601) 368-5756.

Sincerely,



FGB/GHD/ghd

cc: Mr. W. A. Eaton (ECH)  
Mr. J. S. Forbes (ANO)

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~~Dr. Bruce S. Mallett~~  
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