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F. G. Burford  
Acting Director  
Nuclear Safety & Licensing

CNRO-2005-00004

January 31, 2005

U. S. Nuclear Regulatory Commission  
Attn.: Document Control Desk  
Washington, DC 20555-0001

SUBJECT: Request for Alternative ANO2-R&R-008 -  
Use of Mechanical Nozzle Seal Assemblies

Arkansas Nuclear One, Unit 2  
Docket No. 50-368  
License No. NPF-6

REFERENCE: Letter from Entergy Operations, Inc. to the NRC dated  
January 24, 2005

Dear Sir or Madam:

During the spring 2002 refueling outage at Arkansas Nuclear One, Unit 2 (ANO-2), Entergy Operations, Inc. (Entergy) installed six (6) mechanical nozzle seal assembly (MNSA) devices on the pressurizer in accordance with approved Request for Alternative ANO2-R&R-002. In the referenced letter, Entergy requested that the NRC staff extend the temporary installation time period from the current two (2) operating cycles to three (3) operating cycles for the installed MNSAs. This request was made via Request for Alternative ANO2-R&R-008.

On January 24, 2005, representatives from Entergy and the NRC staff participated in a telephone call to discuss Entergy's request. During that call, the NRC staff requested additional information (RAI) to support their review and approval of ANO2-R&R-008. The staff provided the RAI to Entergy via e-mail. Entergy's responses to the staff's questions are provided in Enclosure 1.

Should you have any questions regarding these responses, please contact Guy Davant of my staff at (601) 368-5756.

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This letter contains two commitments identified in Enclosure 2.

Very truly yours,

*Dana Miller for*  
*F.G. Burford*

FGB/GHD/ghd

- Enclosures: 1. Responses to NRC Request for Additional Information Supporting  
Request for Alternative ANO2-R&R-008  
2. Licensee-Identified Commitments

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

Dr. Bruce S. Mallett, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
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NRC Senior Resident Inspector  
Arkansas Nuclear One  
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U. S. Nuclear Regulatory Commission  
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**ENCLOSURE 1**

**CNRO-2005-00004**

**RESPONSES TO NRC REQUEST OF ADDITIONAL INFORMATION  
SUPPORTING REQUEST FOR ALTERNATIVE ANO2-R&R-008**

**ENTERGY OPERATIONS, INC.**

**RESPONSES TO NRC REQUEST FOR ADDITIONAL INFORMATION  
SUPPORTING REQUEST FOR ALTERNATIVE ANO2-R&R-008**

**NRC Question 1**

B6.60 of ASME Section XI Examination Category B-G-1 requires a volumetric exam of bolts and studs. Explain why this exam will not be performed during the next refueling outage (March 2005). (If it is because it is not required at this point in the inservice inspection interval, so state.)

***Entergy's Response:***

*Since Entergy is replacing the ANO-2 pressurizer during fall 2006 refueling outage 2R18 (2R18 is in the same interval and period as spring 2005 outage 2R17), those ASME inspections performed on a per-period or per-interval schedule are excluded from the inspections to be performed during 2R17. This information is provided in Section III.B (page 2 of 5) of ANO2-R&R-008.*

**NRC Question 2**

Item 4 in the MNSA Inservice Inspection Requirements requires disassembly of a sample (10% rounded to the next larger integer value) of mechanical connection assemblies once an interval. Explain why this will not be performed at the next refueling outage (March 2005).

***Entergy's Response:***

*See the response to Question 1, above.*

**NRC Question 3**

For Sections III.B.3 and B.4 of ANO2-R&R-008, will the exam standard be in accordance with IWB-3520.2?

***Entergy's Response:***

*The results of the VT-2 and VT-3 exams discussed in Sections III.B.3 and III.B.4 will be evaluated by comparing them with acceptance standards IWB-3522 and IWB-3520.2, respectively.*

**ENCLOSURE 2**

**CNRO-2005-00004**

**LICENSEE-IDENTIFIED COMMITMENTS**

**LICENSEE-IDENTIFIED COMMITMENTS**

COMMITMENT	TYPE (Check one)		SCHEDULED COMPLETION DATE
	ONE-TIME ACTION	CONTINUING COMPLIANCE	
1. The results of the VT-2 exam discussed in Section III.B.3 will be evaluated by comparing them with acceptance standard IWB-3522.	✓		Spring, 2005 (2R17)
2. The results of the VT-3 exam discussed in Section III.B.4 will be evaluated by comparing them with acceptance standard IWB-3520.2.	✓		Spring, 2005 (2R17)