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**Craig Anderson**  
Vice President  
Operations ANO

2CAN100302

October 14, 2003

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

Subject: License Renewal Application  
Arkansas Nuclear One – Unit 2  
Docket No. 50-368  
License No. NPF-6

Dear Sir or Madam:

Pursuant to 10CFR Part 54, Entergy Operations hereby applies for the renewal of the operating license for Arkansas Nuclear One, Unit 2 (ANO-2) by which the license would be extended for an additional 20 years beyond the current expiration date. With renewal, the ANO-2 Operating License would be extended from midnight on July 17, 2018, until midnight on July 17, 2038.

The enclosed ANO-2 License Renewal Application (LRA) contains the information required by 10CFR Part 54 for the contents of an application including an environmental report, entitled "Applicant's Environmental Report – Operating License Renewal Stage," (Appendix E) satisfying the applicable requirements of Subpart A of 10CFR Part 51. This application is also submitted in accordance with Subpart A of 10CFR Part 2, 10CFR50.4, and 10CFR50.30.

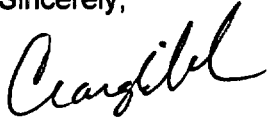
As required by 10CFR54.21(b), current licensing basis changes, which have a material effect on the content of this application, will be identified at least annually while the application is under NRC review and at least three months prior to the scheduled completion of the NRC review.

Pursuant to 10CFR54.17(a), 10CFR50.4(b), and 10CFR51.55(a) Entergy Operations hereby submits the original (plus 80 CDs) of the ANO-2 LRA. Should you have any questions concerning this submittal, please contact Ms. Natalie Mosher at (479) 858-4635. New commitments contained in this submittal are summarized in the attachment.

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I declare under penalty of perjury that the foregoing is true and correct. Executed on October 14, 2003.

Sincerely,



CGA/nbm

Attachment/Enclosure

cc: Dr. Bruce S. Mallett  
Acting Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

NRC Senior Resident Inspector  
Arkansas Nuclear One  
P.O. Box 310  
London, AR 72847

U. S. Nuclear Regulatory Commission  
Attn: Mr. Thomas Alexion  
Mail Stop 0-7 D1  
Washington, DC 20555-0001

U. S. Nuclear Regulatory Commission  
Attn: Mr. Greg Suber  
Mail Stop 0-11 F1  
Washington, DC 20555-0001

U. S. Nuclear Regulatory Commission  
Attn: Mr. Tom Kenyon  
Mail Stop 0-11 F1  
Washington, DC 20555-0001

U. S. Nuclear Regulatory Commission  
Attn: Mr. Greg Suber  
Mail Stop 0-11 F1  
Washington, DC 20555-0001

Mr. Bernard R. Bevill  
Director, Division of Radiation  
Control and Emergency Management  
Arkansas Department of Health  
4815 West Markham Street, Slot 30  
Little Rock, AR 72205-3867

**Attachment to**

**2CAN100302**

**List of Regulatory Commitments**

### List of Regulatory Commitments

The following table identifies those actions committed to by Entergy in this document. Any other statements in this submittal are provided for information purposes and are not considered to be regulatory commitments.

<b>COMMITMENT</b>	<b>TYPE</b> (Check One)		<b>SCHEDULED COMPLETION DATE</b> (If Required)
	<b>ONE- TIME ACTION</b>	<b>CONTINUING COMPLIANCE</b>	
Programs listed in LRA, Appendix B, Section B.1		X	July 18, 2018