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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.

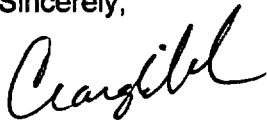
As required by 10CFR54.21(b), current licensing basis changes, which have a material effect on the content of this application, will be identified at least annually while the application is under NRC review and at least three months prior to the scheduled completion of the NRC review.

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
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Mr. Bernard R. Bevil
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

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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.

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