

April 7, 2005

Mr. Jeffrey S. Forbes
Site Vice President
Arkansas Nuclear One
Entergy Operations, Inc.
1448 S. R. 333
Russellville, AR 72801

SUBJECT: LICENSE RENEWAL SAFETY EVALUATION REPORT (SER) FOR ARKANSAS
NUCLEAR ONE, UNIT 2 (ANO-2)

Dear Mr. Forbes:

By letter dated October 14, 2003, Entergy Operations, Inc. (ENTERGY or the applicant), submitted for the U.S. Nuclear Regulatory Commission's (NRC) review, an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54), to renew the operating license for Arkansas Nuclear One, Unit 2 (ANO-2) for an additional 20 years. The NRC determined that the License Renewal Application (LRA) was complete and acceptable for docketing on November 14, 2003. Since that time, the NRC staff has reviewed the ANO-2 LRA, issued requests for additional information (RAIs), reviewed the applicant's responses to the staff's RAIs and developed a draft safety evaluation report (SER) dated November 5, 2004. On the basis of this review, the staff has developed the enclosed SER to document its findings associated with the safety review of the LRA and supporting documentation for ANO-2.

If you have any questions regarding this matter, please contact the Project Manager, Gregory Suber, at 301-415-1124 or by e-mail GXS@nrc.gov.

Sincerely,

/RA/

Gregory F. Suber, Project Manager
License Renewal Section A
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No.: 50-368

Enclosure: As stated

cc w/encl: See next page

April 7, 2005

Mr. Jeffrey S. Forbes
Site Vice President
Arkansas Nuclear One
Entergy Operations, Inc.
1448 S. R. 333
Russellville, AR 72801

SUBJECT: LICENSE RENEWAL SAFETY EVALUATION REPORT (SER) FOR ARKANSAS
NUCLEAR ONE, UNIT 2 (ANO-2)

Dear Mr. Forbes:

By letter dated October 14, 2003, Entergy Operations, Inc. (ENTERGY or the applicant), submitted for the U.S. Nuclear Regulatory Commission's (NRC) review, an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54), to renew the operating license for Arkansas Nuclear One, Unit 2 (ANO-2) for an additional 20 years. The NRC determined that the License Renewal Application (LRA) was complete and acceptable for docketing on November 14, 2003. Since that time, the NRC staff has reviewed the ANO-2 LRA, issued requests for additional information (RAIs), reviewed the applicant's responses to the staff's RAIs, developed a draft safety evaluation report (SER) dated November 5, 2004, and reviewed the applicant's comments on the draft SER. On the basis of this review, the staff has developed the enclosed SER to document its findings associated with the safety review of the LRA and supporting documentation for ANO-2.

If you have any questions regarding this matter, please contact the Project Manager, Gregory Suber, at 301-415-1124 or by e-mail GXS@nrc.gov.

Sincerely,

/RA/

Gregory F. Suber, Project Manager
License Renewal Section A
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No.: 50-368

Enclosure: As stated

ADAMS Accession No.: ML050980213

cc w/encl: See next page

Document Name: E:\Filenet\ML050980213.wpd

OFFICE	PM:DRIP/RLEP/A	LA:DRIP/RLEP	OGC (NLO)	D:DE	D:DSSA
NAME	GSuber	MJenkins	RWeisman	MMayfield	SBlack
DATE	03/15/05	03/15/05	03/28/05	03/28/05	03/23/05
OFFICE	D:DIPM	SC:DRIP/RLEP/A	PD:DRIP/RLEP		
NAME	BBoger	SLee	PTKuo		
DATE	03/16/05	04/04/05	04/07/05		

OFFICIAL RECORD COPY

Arkansas Nuclear One, Unit 2

cc:

Executive Vice President
& Chief Operating Officer
Entergy Operations, Inc.
P. O. Box 31995
Jackson, MS 39286-1995

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

Winston & Strawn
1400 L Street, N.W.
Washington, DC 20005-3502

Mr. Mike Schoppman
Framatome ANP, Richland, Inc.
Suite 705
1911 North Fort Myer Drive
Rosslyn, VA 22209

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
P. O. Box 310
London, AR 72847

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

County Judge of Pope County
Pope County Courthouse
Russellville, AR 72801

Vice President, Operations Support
Entergy Operations, Inc.
P. O. Box 31995
Jackson, MS 39286-1995

Wise, Carter, Child & Caraway
P. O. Box 651
Jackson, MS 39205

Garry Young
1448 SR 333
Russellville, AR 72802

Mr. Fred Emerson
Nuclear Energy Institute
1776 I St., N.W., Suite 400
Washington, DC 20006-3708

DISTRIBUTION: Letter to: J. Forbes, Re: License Renewal SER for ANO-2, Dated: April 7, 2005

ADAMS Accession No.: ML050980213

HARD COPY

RLEP RF

E-MAIL:

RidsNrrDrip

RidsNrrDe

G. Bagchi

K. Manoly

W. Bateman

J. Calvo

R. Jenkins

P. Shemanski

J. Fair

RidsNrrDssa

RidsNrrDipm

D. Thatcher

R. Pettis

G. Galletti

C. Li

K. Winsberg (RidsOgcMailCenter)

R. Weisman

M. Mayfield

A. Murphy

S. Smith (srs3)

S. Duraiswamy

Y. L. (Renee) Li

RLEP Staff

R. Gramm

A. Howell

D. Holland

Linda Smith RIV

R. Nease