

November 5, 2004

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. Anderson:

By letter dated October 14, 2003, Entergy Operations, Inc. (ENTERGY or the applicant) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for the renewal of the operating license of Arkansas Nuclear One, Unit 2 (ANO-2) for up to an additional 20 years. The license renewal application (LRA) was submitted pursuant to Title 10 of the *Code of Federal Regulations* Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." The NRC staff determined that the LRA was complete and acceptable for docketing on November 14, 2003.

The NRC staff has reviewed the ENTERGY LRA and has developed the enclosed "Draft Safety Evaluation Report Related to the License Renewal of the Arkansas Nuclear One, Unit 2," herein after referred to as the Draft Safety Evaluation Report (DSER). This DSER reflects the status of the staff's review of the LRA, requests for additional information (RAIs), the applicant's responses to the NRC staff's RAIs and other questions related to the LRA through October 15, 2004, unless otherwise noted. Issuance of the enclosed SER is an important milestone for both the applicant and the staff.

The NRC staff has not identified any open or confirmatory items in its review. However, in accordance with the schedule for completing the review of the LRA, the applicant is requested to review the enclosed DSER, verify its accuracy, and provide comments by December 15, 2004. The NRC staff plans to review the current content and format of the DSER to further improve the SER while incorporating the applicant's responses. A revised and final DSER will then be issued by May 13, 2005.

J. Forbes

-2-

The staff is committed to completing the review of the ANO-2 SER in a timely manner. If you have any questions regarding this matter, please contact the license renewal Project Manager, Gregory F. Suber, at 301-415-1124 or e-mail [GXS@nrc.gov](mailto:GXS@nrc.gov).

Sincerely,

**/RA/**

Pao-Tsin Kuo, Program Director  
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

J. Forbes

-2-

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Sincerely,

**/RA/**

Pao-Tsin Kuo, Program Director  
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

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ADAMS Accession Nos.:

1. Ltr. To J. Forbes, w/Svc. List: ML043100607
2. Draft Safety Evaluation Report Related to the License Renewal of the Arkansas Nuclear One, Unit 2: ML043200228
3. Pkg: ML043270257

Document Name: E:\Filenet\ML043100607.wpd

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|--------|----------------|----------------|-----------------------|----------|----------|
| OFFICE | PM:DRIP/RLEP/A | LA:DRIP/RLEP   | OGC (NLO)             | D:DE     | D:DSSA   |
| NAME   | GSuber         | MJenkins       | RHoefling             | RBarrett | SBlack   |
| DATE   | 10/19/04       | 10/19/04       | 10/ /04               | 11/5/04  | 10/28/04 |
| OFFICE | D:DIPM         | SC:DRIP/RLEP/A | PD:DRIP:RLEP          |          |          |
| NAME   | BBoger         | SLee           | PTKuo (GCranston for) |          |          |
| DATE   | 10/28/04       | 11/5/04        | 11/5/04               |          |          |

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DISTRIBUTION: Ltr to J. Forbes w/Draft Safety Evaluation Report...Dated: November 5, 2004

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RLEP RF  
Project Manager

**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  
M. Itzkowitz (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

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