

April 8, 2004

Mr. Jeff Forbes
Vice President, Operations ANO
Entergy Operations, Inc.
1448 S. R. 333
Russellville, AR 72801

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
ARKANSAS NUCLEAR ONE, UNIT 2, LICENSE RENEWAL APPLICATION
(TAC NO. MB8402)

Dear Mr. Forbes:

The U.S. Nuclear Regulatory Commission (NRC) is reviewing a license renewal application (LRA) submitted by Entergy Operators Inc. (Entergy or the applicant) dated October 14, 2003 for the renewal of the operating licenses for Arkansas Nuclear One, Unit 2, pursuant to Title 10 *Code of Federal Regulations* Part 54 (10 CFR Part 54). The NRC staff has identified, in the enclosure, areas where additional information is needed to complete the review. Specifically, the enclosed requests for additional information (RAIs) are from Section 2.1 Scoping and Screening Methodology and Section 2.3 System Scoping and Screening Results: Mechanical. These RAIs have been discussed with your staff.

Your responses to these RAI's are requested within 30 days from the receipt of this letter. If you have any questions, please contact me at (301) 415-1124 or e-mail gx@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

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OFFICE:	LA:RLEP	PM:RLEP	SC:RLEP
NAME:	MJenkins	GSuber	SLee
DATE:	4/6/04	4/5/04	4/8/04

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**REQUEST FOR ADDITIONAL INFORMATION
PERTAINING TO THE SCOPING AND SCREENING
REVIEW OF THE ARKANSAS NUCLEAR ONE - UNIT 2
LICENSE RENEWAL APPLICATION (TAC NO. MB8402)**

Division of Systems Safety and Analysis (DSSA)

RAI 2.3-1

Section 2.1.1 states the following with respect to the scoping methodology for the Heating, Ventilation, and Air Conditioning (HVAC) Systems: "Consistent with NEI 95-10, the scoping process used for the ANO-2 license renewal project began with a list of plant systems and structures, determined the functions they perform, and then determined which functions met any of the three criteria of 10 CFR 54.4(a). Functions that meet any of the criteria are intended functions for license renewal, and the systems and structures that perform these functions are included within the scope of license renewal." In order for the staff to determine that you have not omitted any structures, systems, and components that should be within the scope of license renewal according to 10 CFR 54.4(a), describe the details of the process used to confirm whether you have included all the structures, systems, and components in such systems and structures within the scope of license renewal.

RAI 2.3-2

In the preface to the LRA on Page 1 it is stated in the third paragraph that, "...the Tables provide a reference to the results of the aging management review for each component and commodity type. The descriptions of systems in Section 2 identify license renewal drawings that document the components subject to aging management review for mechanical systems. The drawings are provided in a separate submittal."

Also, in Section 2.1.1, "Scoping Methodology," you have stated that, "License renewal drawings were prepared to indicate components subject to aging management review. Components that are subject to aging management review based only on the criterion of 10CFR54.4(a)(2) are not indicated on the drawings."

In order for the staff to determine that you have not omitted any structures, systems, and components that should be within the scope of license renewal according to 10 CFR 54.4(a), describe the process used to confirm whether you have included all the structures, systems, and components in the scope of license renewal for the HVAC Systems.

RAI 2.3-3

The staff requests that the applicant:

- a. Clarify whether the sealants used on the main control room envelope (MCRE) to prevent unfiltered inleakages are included in the scope of license renewal in accordance with 10 CFR 54.4(a), and subject to an aging management review in accordance with 10 CFR 54.21(a)(1). If so, provide the relevant information to complete Table 2.3.3.10. Additionally, does structural sealants ("Elastomers"), as listed in Table 2.4-4 of the LRA, include the MCRE ductwork and component

housing sealants ? If the sealants are not considered subject to an AMR, provide justification for their exclusion.

- b. Clarify whether sealants used as a pressure boundary function for the auxiliary building ventilation system are within the scope of license renewal in accordance with 10 CFR 54.4(a), and subject to an aging management review in accordance with 10 CFR 54.21(a)(1). If they are, provide the relevant information about the sealants to complete Table 2.3.3.9. If the sealants are excluded from the scope of license renewal and not subject to an AMR, provide justification for this exclusion.

RAI 2.3-4

It seems that the penetration rooms ventilation system (see ANO-2 FSAR Section 6.5, "Penetration Rooms Ventilation System") is excluded from the license renewal application. If it is addressed as part of other ventilation systems, provide related information for the penetration rooms ventilation system components that are within the scope of license renewal in accordance with 10 CFR 54.4(a), and subject to an aging management review in accordance with 10 CFR 54.21(a)(1) or provide justification for the exclusion of the penetration rooms ventilation system from the LRA.

Additionally, provide the relevant information in the AMR table about the penetration room sealant materials use for a pressure boundary function that are within the scope of the license renewal in accordance with 10 CFR 54.4(a) and subject to an aging management review in accordance with 10 CFR 54.21(a)(1) or provide justification for its exclusion.

RAI 2.3-5

Table 2.3.2-5 for Hydrogen Control System Components Subject to Aging Management Review does not list Separators 2F-254 and 2F-256 shown on ANO-2 piping and instrument diagram LRA-M-2261 Sheet 3, as components requiring an AMR. Please identify where the LRA addresses the AMR of these components or provide a justification for excluding these components from an AMR.

DISTRIBUTION: Ltr. to Jforbes, Re: ANO-2, Dated: April 8, 2004

ML040990230

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RLEP RF
Project Manager

E-MAIL:

PUBLIC
J. Craig
D. Matthews
F. Gillespie
C. Grimes
RidsNrrDe
E. Imbro
G. Bagchi
K. Manoly
W. Bateman
J. Calvo
R. Jenkins
P. Shemanski
J. Fair
S. Black
B. Boger
D. Thatcher
R. Pettis
G. Galletti
C. Li
M. Itzkowitz
R. Weisman
M. Mayfield
A. Murphy
S. Smith (srs3)
S. Duraiswamy
Y. L. (Renee) Li
RLEP Staff

J. Minns
R. Gramm
A. Howell
T. Alexion
Linda Smith RIV

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