

June 23, 2000

Mr. Craig G. Anderson
Vice President, Operations ANO
Entergy Operations, Inc.
1448 SR 333
Russellville, Arkansas 72801

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
ARKANSAS NUCLEAR ONE, UNIT 1, LICENSE RENEWAL APPLICATION

Dear Mr. Anderson:

By letter dated January 31, 2000, Entergy Operations, Inc. (Entergy), submitted for the Nuclear Regulatory Commission's (NRC's) review an application pursuant to 10 CFR Part 54, to renew the operating license for Arkansas Nuclear One, Unit 1, (ANO-1). The NRC staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete its safety review. Specifically, the enclosed questions are from the Plant Systems Branch regarding Section 3.3.1.3.

Please provide a schedule by letter, electronic mail, or telephonically for the submittal of your responses within 30 days of the receipt of this letter. Additionally, the staff would be willing to meet with Entergy prior to the submittal of the responses to provide clarifications of the staff's requests for additional information.

Sincerely,

/RA/

Robert J. Prato, Project Manager
License Renewal and Standardization Branch
Division of Regulatory Improvement Program
Office of Nuclear Reactor Regulation

Docket No. 50-313

Enclosure: Request for Additional Information

cc w/encl: See next page

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DOCUMENT NAME:C:\rais 3.3.1.3.wpd

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REQUEST FOR ADDITIONAL INFORMATION
ARKANSAS NUCLEAR ONE, UNIT 1
LICENSE RENEWAL APPLICATION, SECTION 3.3.1.3

- 3.3.1.3-1 Provide additional description of the criteria for assessing or categorizing the overall condition of the structures and components that are monitored as part of the MR AMP (Appendix B, Section 4.13). Include specific examples such as indications of spalling or cracking on concrete surfaces; corrosion, peeling paint, or excessive deflection of structural steel components; and changes in material properties of teflon.
- 3.3.1.3-2 Proactive monitoring and understanding of trending behavior is needed to monitor structural aging to allow corrective actions to be taken prior to exceeding acceptance criteria. Describe the monitoring and trending activities that are used by the MR AMP (Appendix B, Section 4.13) to track the extent and rate of degradation and their relationship to the acceptance criteria.
- 3.3.1.3-3 The description of the frequency of structural and component walkdowns for the MR AMP (Appendix B, Section 4.13) states only that, "Structural and component walkdowns are performed periodically, and the frequency varies depending on the structure or component being inspected." Describe the method(s) used to determine the frequency of walkdowns as well as the minimum walkdown frequency for the different applications of the structural and component walkdowns.
- 3.3.1.3-4 The description of the acceptance criteria for the MR AMP (Appendix B, Section 4.13) states only that, "No unacceptable visual indications of cracking, loss of material, or change in material properties of structures or components." For each commodity group (e.g., concrete, steel, coatings) provide a description of the criteria that are used to (1) assess the severity of the observed degradations and (2) determine whether corrective action is appropriate. Discuss any reliance on reference documents such as ANSI/ASCE 11-90, "Guidelines for Structural Condition Assessment of Existing Buildings", and ACI 349.3R-96, "Evaluation of Existing Nuclear Safety-Related Concrete Structures."
- 3.3.1.3-5 The description in Appendix B, Section 4.13, of the MR AMP does not provide a description of the findings of the Maintenance Rule baseline inspection and subsequent MR inspection activities. Identify any aging identified prior to loss of intended function or failures not detected prior to loss of intended function. In addition, indicate whether these findings have been used to enhance or improve the MR AMP in order to show that this AMP will adequately manage the effects of aging during the period of extended operation.
- 3.3.1.3-6 Provide a description of the training and qualifications of the personnel that (1) perform the MR AMP (Appendix B, Section 4.13) structure and component walkdowns and (2) evaluate the adequacy of the walkdown procedures and findings.
- 3.3.1.3-7 Describe the provisions of the MR AMP (Appendix B, Section 4.13) for inspecting normally inaccessible structures and components.

3.3.1.3-8 Describe the walkdown procedures, checklists, or inspection forms, if any, that are provided to the personnel that perform the structure and component walkdowns as part of the MR AMP (Appendix B, Section 4.13).

Arkansas Nuclear One
Docket No. 50-313

cc:

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