

April 17, 2000

Licensee: Entergy Operations, Inc.

Facility: Arkansas Nuclear One, Unit 1

SUBJECT: TELECOM FOR CLARIFICATION OF INFORMATION RELATING TO ANO-1
LRA, SECTIONS 2.5 AND 4.4

On March 30, 2000, the staff had a conference call with members of Arkansas Nuclear One, Unit 1 (ANO-1), to obtain clarifying information relating to Section 2.5 and 4.4 of the ANO-1 License Renewal Application. The following individuals participated in the telecom: Gary Young and Natalie Mosher from ANO-1, and Robert Prato, Duc Nguyen, and Amar Pal from the U.S. Nuclear Regulatory Commission. The questions asked by the staff and the applicants response to these questions are summarized below.

1. Can you provide a list of components/component types and the related passive/active determination, long-lived determination, aging effects and aging management programs for all the components that were identified as being within the scope of the rule as defined by 10 CFR 54.4?

Response - Yes, in response to an RAI, we will provide such a list.

2. Where in the application is the scoping and screening information relating to Fire Protection and Pressurized Thermal Shock?

Response - PTS is found in the general section of the LRA on page 2-5.
FP is found in two places, page 2-4 and page 2-38.

3. Where in the application is instrumentation pressure boundary function discussed?

Response - ANO-1 considered all instrumentation as active but did address the pressure boundary function at the interface point between instruments and other components such as piping. Thermal wells and other instrumentation system interfacing pressure boundaries were typically discussed in the mechanical section because thermal wells and other instrumentation boundaries were treated as part of the piping or other components rather than the instrumentation.

4. Where in the application were electrical physical protection devices such as cable trays, cabinets, and instrument racks addressed?

Response - These device were basically included in the structural section of the application, refer to Table 3.6-8, pages 90-91. The applicant was not sure if this section just addressed the supports relating to physical protection devices or if it included the device themselves. A definitive response to this question would be provided in the applicant's response to the RAI.

5. The application grouped all cables into one component type and did not break it down into commodity groups such as power cables, control cables, instrumentation cables, stripped ground cables, etc. Because each type of cable may have different aging effects, how did the applicant ensure that all aging effects were identified.

Response - Because the spaces approach was used for determining the aging effects of electrical components, the applicant believes that they adequately addressed aging for the different types of cables. They agreed to add the different types of cables to the list discussed in Item 1 above to assist the staff in their review of this question.

6. Did the applicant consider unique components to ANO-1, components not discussed in NEI 95-10, Appendix B?

Response - Yes, their methodology requires them to perform the scope activities, and identify the evaluation boundaries before referring to NEI 95-10, Appendix B, for determination of active/passive characterization of each structure and component, and therefore components unique to ANO-1 would be identified. However, no unique components were identified.

7. In the LRA, the applicant states that all insulators were determined to be non safety-related (which includes components who's failure would not prevent a safety component from performing its intended function) or part of a larger complex assembly, and therefore not within the scope of license renewal. The staff asked for the basis for excluding components that are part of a larger complex assembly?

Response - The applicant stated that in the case of insulators, large complex assemblies refer to switchgear, which is excluded from the scope of license rule under 10 CFR 54.21(a)(1).

8. The LRA states that there are no buses within the scope of license renewal and the staff asked to applicant to discuss this statement a little further.

Response - The applicant stated that there are no buses within the scope and that a fairly good explanation of the site electrical configuration can be found in the UFSAR, Chapter 8.

/RA/

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

Docket Nos. 50-313

Enclosure: Request for Additional Information

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