

AUG 10 1976

K. R. Goller, Assistant Director
for Operating Reactors
Division of Operating Reactors

Plant Name: Oconee Units 1, 2, & 3
Bucket Nos: 50-269/270/289
Subject: Information for seismic qualification of Oconee Emergency
Power System
TAR No: ORB-1-250
Responsible Branch: ORB1
Project Manager: G. Zech
Requested Completion Date: August 13, 1976
Licensee Response Needed to Meet Schedule: 9/10/76
Review Status: Outline of Guidance for Information Needed

The enclosure contains the outline of the information needed for the seismic qualification report to be submitted by the licensee.

Our guidance for this information covers the structural and mechanical engineering aspects of seismic design. However, if this system is not protected against tornado missiles, the licensee should provide sufficient justification for excluding tornado protection. Any additional information regarding the need for tornado protection of the Emergency Power System should be reviewed by the EEB.

Approved by
D. G. Eisenhut

D. G. Eisenhut, Assistant Director
for Operational Technology
Division of Operating Reactors

Enclosure:
As stated

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TE →	8/10/76	8/11/76	8/11/76	8/11/76

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OCONEE STATION UNITS 1, 2, & 3
SEISMIC QUALIFICATION OF EMERGENCY POWER PATH
GUIDANCE FOR INFORMATION NEEDED
ENGINEERING BRANCH
DIVISION OF OPERATING REACTORS

1. Provide a description of the seismic Category I System, including sketches as appropriate. Indicate clearly the extent and the physical boundaries of the Category I System, and interfaces with Non-Category I System.
2. Provide information pertaining to applicable codes, standards, and specifications, regulations, general design criteria, regulatory guides, and industry standards that were applied in the design, fabrication and installation of the system.
3. Provide information regarding seismic input. This can be accomplished by making reference to appropriate sections of the plant FSAP.
4. Provide information pertaining to applicable loads and various combinations thereof.
5. The design and analysis methods will be reviewed. Information should be provided regarding the details of the mathematical model, and a description of the important parameters and how they were obtained. A discussion should be included to indicate how the interface between the Category I and non-Category I Systems were treated in the mathematical model, and the consequences of a failure of non-Category I Systems on Category I Systems.
6. The design limits imposed on various parameters that serve to quantify the structural behavior of the structure and its components should be indicated.
7. The materials, quality control procedures, and any special construction techniques should be described.
8. Describe any testing and inservice surveillance requirements for the system.
9. Discuss the extent to which this system is protected against wind, flood, and tornado effects.

NOTE: For each of the items indicated above, the review procedure and acceptance criteria are described in the Section 3.8.4 of the Standard Review Plan.