



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
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In Reply Refer To:

RII:JPO

50-259, 50-260

50-296, 50-327

50-390

Tennessee Valley Authority
Attn: H. G. Parris
Manager of Power
500A Chestnut Street Tower II
Chattanooga, Tennessee 37401

Gentlemen:

Enclosed is IE Bulletin No. 79-01B which requires action by you with regard to your power reactor facility(ies) with an operating license.

Enclosure 5 to IE Bulletin 79-01B, entitled "Interim Staff Position on Environmental Qualifications of Safety-Related Electrical Equipment", will be forwarded at a later date.

Should you have questions regarding this Bulletin or the actions required of you, please contact this office.

Sincerely,

James P. O'Reilly
Director

Enclosures:

1. IE Bulletin No. 79-01B
with Enclosures
2. List of Recently Issued
IE Bulletins

1824 358

8001290

442

Tennessee Valley Authority

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cc w/encl:

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- b. Identification of the Class IE electrical equipment items within each of the systems identified in Item a, that are required to function under the postulated accident conditions.
 - c. The correlation between the environmental data requirements specified in the FSAR and the environmental qualification test data for each Class IE electrical equipment item identified in Item b above.
4. Additional data not previously addressed in IE Bulletin No. 79-01 are needed to determine the adequacy of the environmental qualification of Class IE electrical equipment. These data address component aging and operability in a submerged condition.

Action To Be Taken By Licensees Of All Power Reactor Facilities With An Operating License (Except those 11 SEP Plants Listed on Enclosure 1)

1. Provide a "master list" of all Engineered Safety Feature Systems (Plant Protection Systems) required to function under postulated accident conditions. Accident conditions are defined as the LOCA/HELB inside containment, and HELB outside containment. For each system within (including cables, EPA's terminal blocks, etc.) the master list identify each Class IE electrical equipment item that is required to function under accident conditions. Pages 1 and 2 of Enclosure 2 are standard formats to be used for the "master list" with typical information included.

Electrical equipment items, which are components of systems listed in Appendix A of Enclosure 4, which are assumed to operate in the FSAR safety analysis and are relied on to mitigate design basis events are considered within the scope of this Bulletin, regardless whether or not they were classified as part of the engineered safety features when the plant was originally licensed to operate. The necessity for further up grading of nonsafety-related plant systems will be dependent on the outcome of the licensees and the NRC reviews subsequent to TMI/2.

2. For each class IE electrical equipment item identified in Item 1, provide written evidence of its environmental qualification to support the capability of the item to function under postulated accident conditions. For those class IE electrical equipment items not having adequate qualification data available, identify your plans for determining qualifications of these items and your schedule for completing this action. Provide this in the format of Enclosure 3.
3. For equipment identified in Items 1 and 2 provide service condition profiles (i.e., temperature, pressure, etc.) should be provided for design basis tests performed. This data may be

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