USER'S REQUEST TO S.D.

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TO:	R. B. Minogue, Director		
-	Office of Standards Development		
FROM:	H. R. Denton, Director		

Office of Nuclear Reactor Regulation

SUBJECT: STANDARD FOR QUALIFICATION OF SAFETY RELATED EQUIPMENT

The Commission's Memorandum and Order of May 23, 1980 (CLI-80-21), directed that the staff initiate a rulemaking on the subject of environmental qualification of safety grade electrical equipment. We understand that this activity will be undertaken by your staff in direct response to the Commission Order. We have discussed the general subject of equipment qualification standards with your people and desire a broader approach.

We request that OSD evaluate the advisability of developing in a broad single rule making action, an amendment to 10 CFR 50 which would include, 1) the rule making directed by the Commission on environmental qualification of electric equipment, 2) the rule making proposed in the Commission paper from I&E, on independent verification testing and inspection program for environmental qualified equipment, and, 3) broadly address the qualification of both electrical and mechanical equipment for seismic and dynamic loadings conditions as well as in a general approach the other environmental conditions. This broad rule might also address qualification of chemical process equipment, such as hydrogen recombiners, and materials com-

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requirements for operating as well as new facilities. We believe that the broader rule would be of greater benefit to the staff and give better guidance to the industry than one that addresses only one aspect of equipment qualification. We suggest that the proposed new rule be in the form of a new appendix to 10 CFR Part 50 which refers back to appropriate General Design Criteria in Appendix A. We are, however, willing to accept your guidance in this respect.

Your evaluation should consider among other issues, the potential for expediting or delaying issuance of specific portions of the regulation when promulgated spearately relative to their being combined in a single broad regulation.

In addition to this request for a proposed new broad rule, we request that it be augumented by Regulatory Guides. A revision of Reg. Guide 1.89 to include the current staff position would probably suffice for electrical equipment qualification. There is no present equivalent guide for mechanical equipment, hence, this would be a new undertaking. We believe that it is a necessary one. We anticipate that these two mother guides would be supplemented as necessary by appropriate supporting or daughter guides.

We recognize that this additional assignment for the Office of Standards will probably impact other ongoing activities, therefore, we will be willing to discuss priorities with you to resolve the budget and schedule matters.

Since we would not want to delay unnecessarily the start of your efforts on portions 1) and 2), we would appreciate receiving your recommendations on this request by October 1, 1980. The staff of the Assistant Director for Materials and Qualifications will assist you by providing whatever information available that you desire in develop ing your recommendations.

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Attached are the original and my re-draft of the proposed NRR letter to RBM on the subject of the broad rule on qualification of safety related equipment.

I have sent a copy to Rosztoczy and Noonan.

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DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

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USER'S REQUEST TO S.D.

TO: R. B. Minogue, Director Office of Standards Development

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FROM: H. R. Denton, Director Office of Nuclear Reactor Regulation

SUBJECT: STANDARD FOR QUALIFICATION OF SAFELY RELATED EQUIPMENT

The Commission's Memorandum and Order of May 23, 1980 (CLI-80-21), directed that the staff initiate a rulemaking on the subject of environmental qualification of safety grade electrical equipment. We understand that this activity will be undertaken by your staff in direct response to the Commission Order. We have discussed the general subject of equipment qualification standards with your people and desire a broader approach.

We request that OSD evaluate the advisability of developing in a broad single rule making action, an amendment to 10 CFR 50 which would include, 1) the rule making directed by the Commission on environmental qualification of electric (SECY 50-7), equipment, 2) the rule making proposed in the Commission paper from I&E, on independent verification testing and inspection program for environmental qualified equipment, and, 3) broadly address the qualification of both electrical, and mechanical equipment for seismic and-dynamic loadings-conditions as well as the other environmental conditions. This broad rule might also address qualification of chemical process equipment, such as hydrogen recombiners, and materials compatability for service in other than the above equipment. The rule should address (electrica finechanical) requirements for operating as well as new facilities. We believe that the broader rule would be of greater benefit to the staff and give better guidance to the industry than one that addresses only one aspect of equipment qualification. We suggest that the proposed new rule be in the form of a new appendix to 10 CFR Part 50 which refers back to appropriate General Design Criteria in Appendix A. We are, however, willing to accepi your guidance in this respect.

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USER'S REQUEST TO S.D.

TO: R. B. Minogue, Director Office of Standards Development

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We request that the proposed rule and associated regulatory guides address the qualification of both electrical and mechanical equipment for seismic (earthquake induced vibrations) and dynamic (vibrating loads resulting from postulated accidents) conditions as well as the other environmental conditions (temperature, inadvations, sprays, etc.) resulting from postilated accidents. The rule should address requirements for operating as well as new facilities. We believe that the broader rule would be of greater benefit to the staff and give better guidance to the industry than one that addresses only one aspect of equipment qualification. We suggest that the proposed new rule be in the form of a new appendix to 10 CMM Part 50 which refers back to appropriate General Design Criteria in Appendix A. We are, however, willing to accept your guidance in this respect.

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