



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

APR 25 1984

*8* MEMORANDUM FOR: Darrell G. Eisenhut, Director  
Division of Licensing

FROM: Richard H. Vollmer, Director  
Division of Engineering

SUBJECT: QUALITY ASSURANCE REQUIREMENTS FOR TMI-1 ELECTRICAL  
EQUIPMENT ENVIRONMENTAL QUALIFICATION FILES

On March 20 and 21, 1984, a member of the Equipment Qualification Branch and a consultant from EG&G, Idaho, performed an audit of the TMI-1 electrical equipment environmental qualification (EQ) files, with assistance from the Project Manager. The primary purpose of the audit was to review EQ documentation for Emergency Feedwater System electrical equipment to provide a basis for our SER being prepared in response to the UCS' 2.206 petition. One area of concern the staff expressed to the licensee during that audit involves QA requirements relative to the EQ files. It appears questionable if these files have been subjected to a QA audit. As an example, evidence in the files that the licensee had performed a review of the EQ documentation was often in the form of handwritten sheets of paper that were not signed, dated, checked or approved. As another example, the files were not well organized or very complete in that it was not always discernible, without a verbal explanation from the licensee, what specific documentation was being relied upon to demonstrate qualification, or specific aspects of qualification such as aging. Since the licensee informed us that the EQ files have been audited by its QA people, it is not clear what was audited or what QA requirements the licensee is imposing on its EQ files.

Although we have determined the adequacy of the EQ documentation for demonstrating equipment qualification from a technical point of view, we are not assured that the licensee is properly interpreting and implementing 10 CFR Part 50, Appendix B requirements in this area.

[Therefore we suggest that Region I be advised of our observations for appropriate disposition.]

Please let me know if we can be of any assistance or if you desire further discussion on this subject.

Richard H. Vollmer, Director  
Division of Engineering

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