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MEMORANDUM FOR: Richard H. Vollmer, Director
Division of Engineering

FROM: William V. Johnston, Assistant Director
Materials and Qualification Engineering
Division of Engineering

SUBJECT: INTEGRATED PLANT SAFETY ASSESSMENT REPORT - PALISADES

Because of the limited amount of time available we could only perform a cursory review of Topic III-6, Seismic Design Considerations. Our comments are as follows:

- Operability qualification of valves was performed on a sampling basis only by reviewing analysis. All safety-related valves should be included in the program.
- Essential service water pumps should be evaluated for operability.
- Diesel generator control and protection system including air intake and filter system should be evaluated for operability.
- Control rod drive system should be qualified for operability.
- All Class 1E electrical equipment should be reviewed for operability qualification.

In summary, the SEP review provides some assurance regarding the structural integrity of safety-related equipment subjected to a safe shutdown earthquake (SSE), but the overall question of operability of active components, particularly Class 1E components, during and after the SSE should be considered as an open item. Seismic qualification of safety-related equipment should be considered in an open item until the resolution of A-46 "Seismic Qualification of Equipment in Operating Plants."

ORIGINAL SIGNED BY

William V. Johnston, Assistant Director
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cc: T. Sullivan

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