



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

APR 24 1989

Reference (1199)

MEMORANDUM FOR: Victor Stello, Jr.
Executive Director for Operations

FROM: Eric S. Beckjord, Director
Office of Nuclear Regulatory Research

SUBJECT: RESOLUTION OF GENERIC ISSUE 82, "BEYOND DESIGN
BASIS ACCIDENTS IN SPENT FUEL POOLS"

As stated in the enclosed memorandum to Dr. Murley, the subject generic issue has been resolved and requires no backfit.

Based on the Regulatory Analysis (NUREG-1353) and its supporting documentation, we conclude that no cost-effective alternatives exist which, if implemented, would result in a substantial safety improvement. Hence, Alternative Resolution No. 1 - "No Action," is adopted as the appropriate resolution of the generic issue in accordance with the Backfit Rule, 10 CFR Part 50.109(a)(3).

Although these studies conclude that most of the spent fuel pool risk derives from beyond design basis earthquakes, this risk is no greater than the risk from core damage accidents due to seismic events beyond the safe-shutdown earthquake. Therefore, reducing the risk from spent fuel pools due to events beyond the safe-shutdown earthquake would still leave a comparable risk due to core damage accidents. Because of the large inherent safety margins in the design and construction of the spent fuel pool, the recommendation for the approval of Alternative 1 - "No Action" is reasonable.

Resolution of this generic issue has been accomplished in accordance with the procedures contained in RES Office Letter No. 3, Revision 2, "Procedures and Guidance for the Resolution of Generic Issues," dated March 27, 1989. The ACRS has reviewed the Regulatory Analysis and its supporting documentation and concurs with our recommended resolution.

NUREG/CR-4982, NUREG/CR-5176 and NUREG/CR-5281 have been issued to provide a record of the technical findings on the safety significance of the subject issue, which is considered resolved. NUREG-1353 is in the process of being issued to complete the technical findings record. Generic Issue 82 will be removed from the list of active generic issues, and the section of NUREG-0933 dealing with GI-82 will be revised accordingly.

Eric S. Beckjord

Eric S. Beckjord, Director
Office of Nuclear Regulatory Research

Enclosure:

Memorandum to T.E. Murley from E.S. Beckjord, dated April 24, 1989

ADD: R. Emmitt, RES

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