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

DEC 17 1990

MEMORANDUM FOR: C. McCracken
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FROM: Warren Minners, Director
Division of Safety Issue Resolution
Office of Nuclear Regulatory Research

SUBJECT: REVIEW OF NUMARC'S REVISED REPORT ON FIRE
VULNERABILITY EVALUATION METHODOLOGY (FIVE)

REFERENCE: Letter from W. Minners of NRC to W. Rasin of
NUMARC, dated Sep. 19, 1990, Subject, "NRC
Comments on Draft NUMARC Fire Vulnerability
Evaluation (FIVE) Methodology"

Enclosure 1 is a copy of the NUMARC's revised report on the Fire Vulnerability Evaluation (FIVE) methodology. The FIVE methodology is being developed by EPRI for licensee use in conducting the fire portion of the Individual Plant Examination for External Events (IPEEE). The staff has reviewed and commented on an earlier draft (see reference) in September 1990. Responding to staff's comments, NUMARC/EPRI have revised the FIVE report and have provided an item-by-item response to those comments in Enclosure 1. Also, NUMARC/EPRI have submitted a validation of the fire modeling techniques utilized in the FIVE Methodology (Enclosure 2). Please review the attached NUMARC reports and provide us with your comments before January 18, 1991.


The demonstrations of the FIVE methodology at two plants (Palo Verde and Duane Arnold) are in progress and will be completed in March 1991. When received, this report will be provided for your review. Also, NUMARC/EPRI will submit an updated fire events

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database, as proprietary information, for our review at a later date. This will be provided for your review as well. If you have any questions, please contact John T. Chen at 492-3919.



Warren Minners, Director
Division of Safety Issue Resolution
Office of Nuclear Regulatory Research

Enclosures:

1. Letter from W. Rasin of NUMARC to W. Minners of NRC, dated November 14, 1990.
2. Letter from W. Rasin of NUMARC to W. Minners of NRC, dated December 3, 1990.

cc: E. Beckjord w/o
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