



DEC 15 1982

MEMORANDUM FOR: James Taylor, Director  
Division of Reactor Programs, IE

FROM: Richard Vollmer, Director  
Division of Engineering, NRR

SUBJECT: FIRE PROTECTION SYSTEM/ SAFETY RELATED SYSTEM  
INTERACTION PROGRAMS

A review of licensee event reports that were submitted during the past several years revealed that inadvertent fire protection suppression system actuations occurred because of poor system design, personnel error or inadequate procedures. In several cases these inadvertent suppression system actuations sprayed water on safety related equipment and rendered it incapable of performing its intended safety function.

We are developing a generic letter which discusses the design deficiencies we have encountered that we will request you to send to all licensees as an IE Information Notice. This generic letter will describe the changes that should be made to installed fire protection systems to enhance the overall reliability of the suppression system and prevent the spraying for flooding of safety related systems or components.

With regard to the personnel error and inadequate procedure problem, we understand that your consultant performed studies in which check lists were prepared that would enable licensees to evaluate their emergency procedures as well as maintenance, test and calibration procedures. The results of these studies are documented in NUREG/CR 1368, 1369, 1370, and 2005.

We suggest that these reports be distributed to all licensees either now or in conjunction with the proposed Information Notice for use in connection with their review and upgrading of facility procedures. This action should reduce the inadequate procedure problem that has prevailed at some facilities. Following incorporation of the revised procedures in the facility training program, the potential for operator error should also be significantly reduced.

If you require additional information or wish to discuss this matter further please contact F. Nolan of my staff on Extension 28997.

Richard Vollmer, Director  
Division of Engineering

**XA Copy Has Been Sent to PDR**

cc: See next page

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