



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

SAFETY EVALUATION

(ITEMS I.A.2.1.4 AND II.B.4.1 OF NUREG-0737

MAINE YANKEE ATOMIC POWER COMPANY

DOCKET NO. 50-309

1.0 INTRODUCTION

As a consequence of the accident at TMI-2, implementation of a number of new requirements has been recommended for operating reactors. These requirements are described in NUREG-0660, "NRC Action Plan Developed as a Result of the TMI-2 Accident," May 1980, and NUREG-0737, "Clarification of TMI Action Plan Requirements," November 1980. The NRC staff has requested licensees to submit information sufficient to permit an independent evaluation of their response to these requirements. This report provides an evaluation of the response to TMI Action Plan Items I.A.2.1.4 and II.B.4.1 by Maine Yankee Atomic Power Company (Maine Yankee).

This evaluation was based on Maine Yankee's submittals dated July 31, 1980, December 15, 1980, September 28, 1981, and April 23, 1982. These submittals provide a description of Maine Yankee's program for upgrading of RO and SRO training and training for mitigating core damage.

2.0 EVALUATION

ITEM I.A.2.1.4

Maine Yankee has modified the initial and requalification training programs to include training in areas required by TMI Action Plan Item I.A.2.1.4. The training programs include instruction in heat transfer, fluid flow, thermodynamics and mitigation of accidents involving a degraded core. The training programs provide an increased emphasis on reactor and plant transients.

An NRC staff contractor, Science Applications Incorporated (SAI), has reviewed the licensee's submittals and prepared the attached Technical Evaluation Report. The NRC staff has reviewed this evaluation and concurs in its basis and findings.

Implementation of these training programs is subject to continuing onsite verification by the NRC staff.

ITEM II.B.4.1

Maine Yankee has developed a training program to teach the use of installed equipment and systems to control or mitigate accidents in which the core is severely damaged.

The program includes training subjects equivalent to those specified in Enclosure 3 to the letter from H. R. Denton to all power reactor applicants and licensees dated March 28, 1980. SAI's review of Maine Yankee's program indicated that the training content and participants meet the staff requirements of TMI Action Plan Item II.B.4.1 and is therefore acceptable. NRC review on-site on October 21, 1982, indicated that this training was provided to the appropriate personnel in the operations chain of command and to personnel in the Instrumentation and Control, Chemistry, Training, Engineering, QA, and Health Physics departments.

NRC review also indicated that Maine Yankee had not made an explicit commitment to require training pursuant to II.B.4.1 in the replacement training program for the individual plant personnel positions that originally received this training. NRC formally requested this commitment in a letter dated September 23, 1982. In a letter dated October 18, 1982, the licensee committed to incorporate this training into the replacement programs for reactor operators, senior reactor operators, and shift technical advisors. Also, Maine Yankee committed to revise the job qualifications for Plant Manager, Assistant Plant Manager and the Section Heads in Instrumentation and Control, Chemistry and Radiological Controls to require this training within twelve months of appointment of an individual to these positions.

This completes the action required by Item II.B.4.1. However, future changes to the facility, such as installation of additional instrumentation to detect conditions of inadequate core cooling, should be reflected in updates to the training program.

Implementation of this training program is subject to continuing onsite verification by the NRC staff.

3.0 CONCLUSIONS

The information submitted by Maine Yankee provided sufficient details of the programs for upgrading RO and SRO training and for training for mitigating core damage for the staff to conclude that the requirements of TMI Action Plan Items I.A.2.1.4 and II.B.4.1 have been met.

Attachment:
SAI Technical Evaluation
Report

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