

UNITED STATES NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

December 27, 1993

MEMORANDUM FOR:

Ashok C. Thadani, Director

Division of Systems Safety and Analysis Office of Nuclear Reactor Regulation

FROM:

Conrad E. McCracken, Chief

Plant Systems Branch

Division of Systems Safety and Analysis

SUBJECT:

SUMMARY OF DECEMBER 21, 1993, SENIOR MANAGEMENT MEETING BETWEEN NRC AND NUMARC AND ADDITIONAL INFORMATION RELEVANT TO THE INDUSTRY THERMO-LAG FIRE BARRIER TEST PROGRAM

Senior managers of the Office of Nuclear Reactor Regulation (NRR) met with senior representatives of the Nuclear Management and Resources Council (NUMARC) on December 21, 1993, to discuss NUMARC Thermo-Lag test program. This was the first NRC/NUMARC senior management meeting to monitor the progress of NUMARC Thermo-Lag test program. Enclosure 1 is the list of attendees.

During this meeting, NRR reiterated its concerns regarding the plant-specific applicability of NUMARC fire test results and summarized the content of the 50.54(f) letter to be sent to licensees. The letter asks each licensee who is using Thermo-Lag barriers to submit information regarding: the location and amounts of Thermo-Lag installed in the plant; how the results of NUMARC test program will be applied; how configurations particular to the plant will be addressed; what alternatives are available for configurations that may not demonstrate satisfactory performance by test or cannot be upgraded; and plans and schedules for resolving the technical issues identified in GL 92-08. As discussed during a previous meeting with NUMARC on November 19, 1993, the NRC expects the licensees to resolve the Thermo-Lag fire barrier issues identified in GL 92-08 or to propose alternative fire protection measures by March 31. 1994. The NRC also expects licensees to assess information and data for test configurations that can be applied to the plant design as they become available and begin corrective actions as the assessments are completed, rather than wait for NUMARC to complete its program. For example, some test data indicates that it may be possible for licensees to begin considering various upgrades for some conduit barrier configurations at this time. Therefore, the staff believes that plant modifications needed to correct fire barrier deficiencies or alternative fire protection measures should begin, at the latest, during refueling outages after March 1994, with the expectation that barriers would be upgraded and other needed modifications completed by March 1995.

Mr. Colvin of NUMARC noted that the industry had only 45 days to respond to the 50.54(f) letter instead of the 60 days originally discussed and that some of the information requested would involve a considerable amount of work on the part of the industry. Mr. Rasin raised questions about the difficulties licensees may encounter in answering the 50.54(f) letter and stated that 20.54(f)

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NUMARC will provide quidance to the licensees on the applicability of their test results to ensure consistency in the responses. He indicated that NUMARC plans to clarify the scope of the application guide in a letter to the industry. He also stated that NUMARC will use the responses in planning NUMARC's future activities and to identify licensees that can work together to resolve common issues.

NUMARC confirmed that it will install a bare copper conductor with thermocouples under the cable tray rungs for each NUMARC cable tray test specimen.

The executive level working group created by NUMARC was mentioned and the expertise of its members in licensing, fire protection, executive and policy matters was highlighted. While the short-term focus of the group is Thermo-Lag issue resolution, the long-term focus of the group will be fire protection and fire barriers other than Thermo-Lag. Mr. Miraglia stated that the staff was reviewing NUMARC's December 10, 1993 letter to J. Taylor regarding the working group and would respond shortly.

NRR expressed the need to be informed on a regular basis of the construction and testing schedule. NUMARC stated that it is currently finalizing Phase 2 test plan and that it would submit the plan to the staff in the near future.

NRR and NUMARC agreed to schedule additional senior management meetings over the next six months as needed. The next meeting will be held shortly after the phase 2 tests are completed. These periodic meetings at the senior management level are held in addition to the staff working meetings.

Original signed by

Conrad E. McCracken, Chief Plant Systems Branch Division of Systems Safety and Analysis

Enclosure: As stated

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*SEE PREVIOUS CONCURRENCE

guidance NUMARC will provide to licensees for consistency in the responses. He indicated that NUMARC plans to clarify the scope of the application guide in a letter to the industry.

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> Conrad E. McCracken, Chief Plant Systems Branch Division of Systems Safety and Analysis

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Conrad E. McCracken, Chief Plant Systems Branch Division of Systems Safety and Analysis

Regional Administrators

Enclosure: As stated

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*SEE PREVIOUS CONCURRENCE

MEETING ATTENDEES

Name

Marsha Gamberoni
A. Randolph Blough
Bill Dean
Harold Fossett
Patrick Madden
Daniele Oudinot
Amarjit Singh
Tom Murley
Frank Miraglia
Ashok Thadani
Conrad McCracken
Steve West
Joe Colvin
Bill Rasin
Alex Marion

Dave Stellfox

Affiliation

NRC/DRPW NRC/DRPW NRC/OEDO NRC/OIG NRC/SPLB NRC/SPLB NRC/SPLB NRC/NRR NRC/NRR NRC/DSSA NRC/SPLB NRC/SPLB NUMARC NUMARC NUMARC McGraw Hill