



NUCLEAR MANAGEMENT AND RESOURCES COUNCIL

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February 8, 1994

Mr. Conrad E. McCracken
Chief, Plant Systems Branch
Division of Systems Technology
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. McCracken:

The purpose of this letter is to transmit three copies of test reports from NUMARC's Phase 1 program for Thermo-Lag fire barriers for NRC's information and use. The specific reports are listed in the attachment to this letter.

In addition to the fire endurance test reports, we have enclosed a report of chemical analysis performed on samples of Thermo-Lag provided for the test program and samples provided from utility stock. We found no significant differences in chemical composition for these samples.

If you have any questions regarding this issue, please contact me, Biff Bradley, or Morris Schreim of the NUMARC staff.

Sincerely,

Alex Marion
Manager, Technical Division

REB/cma
Attachment/Enclosures

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ATTACHMENT

List of Transmitted Test Reports

1. Fire Endurance Test of a Thermo-Lag 330-1 Fire Protective Envelope Test 1-1
36" Cable Tray Assembly (one hour fire barrier)
2. Fire Endurance Test of a Thermo-Lag 330-1 Fire Protective Envelope Test 1-3
36" Cable Tray Assembly (three hour fire barrier)
3. Fire Endurance Test of a Thermo-Lag 330-1 Fire Protective Envelope Test 1-4
24" Cable Tray with Air Drop Assembly (three hour fire barrier)
4. Fire Endurance Test of a Thermo-Lag 330-1 Fire Protective Envelope Test 1-5
24" Aluminum Cable Tray Assembly with Tee Section (three hour fire barrier)
5. Fire Endurance Test of a Thermo-Lag 330-1 Fire Protective Envelope Test 1-6
5", 3", and 3/4" Aluminum and 3" Steel Conduit Assemblies (one hour fire barrier)
6. Fire Endurance Test of a Thermo-Lag 330-1 Fire Protective Envelope Test 1-7
5", 3", and 3/4" Steel Conduit Assemblies (three hour fire barrier)
7. Pyrolysis Gas Chromatography Analysis of 12 Thermo-Lag Fire Barrier Samples
(NUCON 06A312)