



**Wisconsin Electric** POWER COMPANY  
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July 7, 1986

Mr. Guy A. Arlotto, Director  
Division of Engineering Technology  
Office of Nuclear Regulatory Research  
U.S. NUCLEAR REGULATORY COMMISSION  
Washington D.C. 20555

Dear Mr. Arlotto:

Subject: INTERNAL SEALING OF CONDUITS THROUGH FIRE BARRIERS

In response to the differing guidance in BTP 9.5-1 Appendix A, NUREG 0800 and 10 CFR 50.48 Appendix R, and in the interest of providing cost-effective fire protection based on sound technical information, a group of 23 nuclear utilities has embarked on a research project to evaluate internal conduit sealing requirements and develop design guidelines based on fire test data. This project is being coordinated by Wisconsin Electric Power Company with the technical assistance of Professional Loss Control, Inc.

The project consists of the following tasks:

1. Collect and evaluate existing fire test data on internal conduit sealing.
2. Survey existing plant configurations of conduit penetrations.
3. Develop and conduct a test program to provide additional data.
4. Develop generic guidance for internal sealing of conduits.

This project is scheduled for completion by the end of 1986 calendar year.

Because of this effort, the participating companies may delay final policy decisions on internal conduit sealing until this more complete technical basis is available. We will keep the NRC informed and would welcome the opportunity to present the results of the project to you.

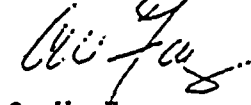
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Any questions you have on this project should be directed to Mr. Michael S. Kaminski, System Fire Protection Officer, at 414/277-2662.

Very truly yours,



C. W. Fay  
Vice President  
Nuclear Power

cc: Mr. H. R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. NUCLEAR REGULATORY COMMISSION  
Washington, D.C. 20555  
cc: PBNP NRC Resident Inspector

bcc: Participating Utilities (Participating Utilities List)  
R. W. Britt/S. Burstein/R. H. Gorske  
G. M. Krieser  
R. A. Newton  
J. J. Zach  
D. J. Ivey/M. S. Kaminski