



Omaha Public Power District

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OMAHA, NEBRASKA 68102

TELEPHONE 536-4000 AREA CODE 402

July 11, 1979

Director of Nuclear Reactor Regulation
ATTN: Mr. Robert W. Reid, Chief
Operating Reactors Branch No. 4
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Reference: Docket No. 50-285

Gentlemen:

In response to a telephone conversation held with a member of your staff, the following information is provided to indicate the ability of fire rated silicone foam penetration seals installed at the Fort Calhoun Station to withstand differential pressure.

All subject penetrations at the station were installed by B & B Insulation, Inc., per Chemtrol Corporation accepted installation procedures. Chemtrol has fire tested and obtained approval via American Nuclear Insurers (ANI) for penetrations installed per these procedures. Chemtrol Corporation was contacted and acknowledged that a successful differential pressure/fire test was conducted for a utility in which a positive pressure of 9.0 inches of water was maintained on a 5,885 square inch penetration over a duration of a three-hour fire test.

At the Fort Calhoun Station Unit No. 1, the largest penetration is 1,924 square inches; the maximum fire loading is only 97 minutes; and the maximum differential pressure expected is approximately 0.5 inches of water. Since these sizes, fire loading, and pressures are less than those actually tested, the District considers that the Chemtrol Corporation differential pressure test has enveloped the conditions that exist in the Fort Calhoun plant. Thus, the test results are directly applicable to our penetration design.

Sincerely,

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T. E. Short
Assistant General Manager

TES/KJM/BJH:cb

cc: LeBoeuf, Lamb, Leiby & MacRae
1333 New Hampshire Avenue, N.W.
Washington, D. C. 20036

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