

SUPPLEMENT NO. 1 TO FIRE PROTECTION
SAFETY EVALUATION REPORT

PALISADES PLANT
DOCKET NO. 50-255

3.2.1 Cable Penetration Firestop Qualification

Our SER noted that the licensee would provide results of tests to demonstrate the ability of existing and new cable penetration firestop designs to prevent propagation of a severe fire equivalent to an ASTM E-119 exposure fire. By letter of September 29, 1978, Consumers Power Company provided results of testing of various cable penetration firestop designs. Although these tests were not performed with a significant pressure differential across the seal with the higher pressure on the exposed side, we find that such conditions would not affect the ability of these firestops to withstand a severe fire. We have reviewed this test data and find that these tests demonstrate the ability of the tested firestop designs to withstand an ASTM E-119 3-hour exposure fire. Based on these results, we find that the tested firestop designs satisfy the provisions of Appendix A to BTP9.5-1 and are therefore acceptable.

As noted in Section 3.1.3, the licensee has committed to install and upgrade cable penetration firestops that are consistent with the tested designs. Accordingly, this item has been satisfactorily resolved.

3.2.5 Non-Approved Components

Our SER noted that certain fire detectors were being used in the fire detection system that were not approved by a recognized testing laboratory. By letters of July 28, 1978 and September 15, 1978, the licensee indicated that fire detector spacing and location will be in accordance with NFPA-72E, "Automatic Fire Detection." Although in certain locations photo-electric type detectors are being used that are not approved by a recognized testing laboratory, we find that sufficient other type detectors that are approved by a recognized testing laboratory will be used to afford prompt detection capability. We find that the fire detection system satisfies the guidance contained in Section 2.0 of our SER and is therefore acceptable.

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