

AUG 13 1981

Docket No.: 50-395

MEMORANDUM FOR: The Atomic Safety and Licensing Board for Virgil C. Summer Nuclear Station, Unit 1

FROM: Robert L. Tedesco, Assistant Director for Licensing, DL

SUBJECT: BOARD NOTIFICATION - SANDIA CONNECTOR TEST RESULTS OF AN O'BRIEN ELECTRICAL PENETRATION ASSEMBLY (BN 81-18)

In a July 8, 1981 memorandum we notified the Atomic Safety and Licensing Appeal Board for McGuire Nuclear Station, Units 1 and 2 of a failure of O'Brien connectors in an environmental test conducted at Sandia National Laboratory. In that notification package reference is made to the use of O'Brien connectors in the Virgil C. Summer Nuclear Station, Unit 1. It is the purpose of this memorandum to discuss the relevance to the Virgil C. Summer Nuclear Station, Unit 1 of the July 8, 1981 board notification for McGuire.

The O'Brien connectors used on the Virgil C. Summer Nuclear Station, Unit 1 for Class IE circuits are of a different design than those which failed during the Sandia tests. Further, the connectors have been redesigned to preclude the problems disclosed in the Sandia tests. These modified connectors have been qualified subsequent to their redesign in accordance with the requirements of NUREG-0588. The staff has recently completed its environmental qualification audit for Virgil C. Summer Nuclear Station, Unit 1, at which time we specifically reviewed the environmental qualification of these connectors. Our review to date indicates that environmental qualification of these connectors meets the requirements of NUREG-0588. Our evaluation of the environmental qualification of all safety-related electrical equipment will be provided in a forthcoming supplement to the Safety Evaluation Report.

/s/
 Robert L. Tedesco, Assistant Director
 for Licensing
 Division of Licensing

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(SANDIA CONNECTOR TEST RESULTS OF O'BRIEN
ELECTRICAL PENETRATION ASSEMBLY)

Summer

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