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MEMORANDUM FOR: B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

FROM: M. Srinivasan, Chief
Power Systems Branch
Division of Systems Integration

SUBJECT: WOLF CREEK PROPOSED FSAR CHANGE

The Power Systems Branch has reviewed the change proposed to the Wolf Creek FSAR by Kansas Gas and Electric Company's letter dated January 14, 1985.

Specifically, the change inserts the following wording in FSAR Section 8.3.1.4.1.1.e:

In cases of open trays containing safety-related cables and totally enclosed conduits containing non-safety related cables, the safety design basis is to protect the safety related cables from failure of the non-safety related circuits, and not vice-versa. In consideration of this limit, enclosing the non-safety circuits in raceway and maintaining at least 1-inch separation provides an acceptable level of protection. The conduit can contain only a limited quantity of combustible material (cable insulation & jacket). All SNUPPS cables, including those used for non-safety related circuits, are qualified to IEEE-383 and meet the flame-retardance requirements specified therein; the cables will not support combustion. Furthermore, there is insufficient oxygen inside the conduit to support combustion of more than fraction of the available material.

Based on these considerations, it is established that 1-inch separation between a conduit containing non-safety related circuits is sufficient to assure that any failure within the non-safety related circuits will not propagate into and compromise the integrity of the safety related circuits.

We have reviewed the justification for the proposed change and find it acceptable.

M. Srinivasan, Chief
Power Systems Branch
Division of Systems Integration

*SEE PREVIOUS PAGE FOR CONCURRENCES

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