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TU ELECTRIC

May 13, 1992

William J. Cahill, Jr.
Group Vice President

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) - UNIT 2
DOCKET NO. 50-446
ROCKBESTOS CABLE

Gentlemen:

Per discussions with the NRC, the following information is being provided to support TU Electric's use of one hour fire rated cable at CPSES. This information clarifies provisions of automatic fire suppression and detection capability in areas where this cable is installed. Additionally, information regarding design adequacy of the cable support mechanisms under fire conditions is provided.

TU Electric has identified in the FSAR that one hour fire rated cable is an acceptable one hour fire rated barrier. One hour fire rated cable which is outside of Containment satisfies the separation requirements for redundant fire safe shutdown equipment cabling when the relative fire hazards, automatic fire suppression and fire detection capabilities are taken into account. Where one hour fire rated cables are used outside of Containment, both detection and automatic suppression are provided except for three areas, consistent with Unit 1, which do not have automatic suppression. These areas are:

1. Auxiliary Building (790') - Laundry Holdup area,
2. Safeguards Building (790') - Valve Room 066, and
3. Safeguards Building (790') - Stairwell.

The potential hazards in each of these areas have been evaluated accordingly in the Fire Hazards Analysis and found acceptable.

One hour fire rated cable at CPSES is either routed in cable trays or in free air with individual supports. The ability of exposed steel cable trays and cable supports to adequately support the cable in the event of a fire while supporting design basis dead weight loads has been included in the Fire Hazards Analysis. Where automatic suppression coverage is not provided or alternatively, for the three areas identified above, administrative controls on the maximum permissible fire loading established by the Fire Hazards Analysis ensures fire induced temperatures do not exceed the critical temperature of steel as defined by NFPA. This is consistent with the AISC guidelines used in the design for cable trays and supports at CPSES.

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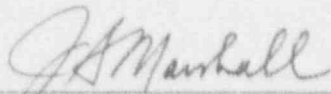
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The appropriate areas of the Fire Protection Report are being revised to reflect the above information. If you should have any questions, please call Mr. J. D. Seawright at (214) 812-4375.

Sincerely,

William J. Cahill, Jr.

By: 
J. S. Marshall
Generic Licensing Manager

JDS/tg

c - Mr. R. D. Martin, Region IV
Resident Inspectors, CPSES (2)
B. E. Holian (NRR)