



Log # TXX-88046
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906.5
Ref. # 10CFR50.55(e)

William G. Council
Executive Vice President

January 19, 1988

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
ROLL-AWAY MISSILE SHIELDS (RAMS)
SDAR: CP-87-30 (FINAL REPORT)

Gentlemen:

On July 1, 1987, we verbally notified your Mr. H. S. Phillips of a deficiency involving errors in the seismic qualification report supplied by the vendor of the Roll-Away Missile Shields (RAMS). A preliminary review of these errors indicated that the RAMS were overstressed for the designed seismic conditions detailed in the applicable specifications. Our last report, logged TXX-88024, was submitted on January 5, 1988.

A preliminary analysis was initiated in April, 1987, to evaluate the effects of a proposed addition of HVAC equipment to the RAMS structure. This preliminary analysis identified several members and weld joints which were overstressed, without installation of the additional equipment. As-built shop welds on the RAMS were also observed by field walkdown to be up to 50% undersized. In addition, a significant number of welds specified on the design drawings were physically impossible to achieve based on the dimensions of the structural members.

The RAMS are supported by the refueling crane rails on the 860' floor elevation. An additional item identified in our evaluation was that the rails were not qualified for seismic and missile impact reaction loads from the RAMS.

An evaluation of the RAMS and the refueling crane rails determined that for the emergency and faulted conditions, the stresses exceeded code allowables. A finite element analysis was subsequently performed which demonstrated that during these conditions the equipment would have continued to perform their safety function.

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We have completed our evaluation of this issue, and have concluded that none of the above deficiencies are reportable pursuant to 10CFR50.55(e). Modifications are being performed, however, to reduce the stresses in the equipment (for the emergency and faulted conditions) to be within the code allowables. We are also correcting the design documentation to reflect the as-built design. Supporting documentation is available at the CPSES site for your review.

Very truly yours,

W. G. Council

W. G. Council

By: *D. R. Woodlan*

D. R. Woodlan
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BSD/mlh

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