

**TU ELECTRIC**

Log # TXX-91268  
File # 10110  
903.8  
Ref. # 10CFR50.55(e)

William J. Cahill, Jr.  
Executive Vice President

July 24, 1991

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES), UNIT 2  
DOCKET NO. 50-446  
REJECTABLE INDICATIONS IN CONTAINMENT  
ELECTRICAL PENETRATION STRUCTURAL WELDS  
SDAR CP-91-04 (INTERIM REPORT)

Gentlemen:

On June 24, 1991, TU Electric notified Mr. T. Reis of a deficiency involving rejectable indications in containment electrical penetration structural welds that were installed prior to the resumption of Unit 2 construction in January, 1991. This is an interim report of a potentially reportable item under the provisions of 10CFR50.55(e).

As a part of the design validation process, a review of documentation for butt welds between the containment penetration sleeve and the weld neck flange for the electrical penetration assemblies identified the lack of volumetric examination in violation of ASME Code requirements. This condition was identified on Deficiency Report DR-C89-1851. Ultrasonic examination as required per the engineering disposition of the above Deficiency Report was performed on the total population of seventy-five (75) Unit 2 electrical penetrations. Unit 1 electrical penetrations were evaluated prior to licensing and no rejectable indications were identified.

Due to the crown existing on the weld, the angle beam search unit was originally placed on the base metal with the beam directed tangentially into the weld. These examinations resulted in the identification of rejectable indications on nineteen (19) electrical penetrations which required additional evaluations.

Subsequently, the welds of the nineteen (19) electrical penetrations were ground flush with the base metal and reexamined with the beam directed axially into the weld. The subsequent evaluations of the original nineteen (19) electrical penetrations identified only three (3) electrical penetrations with rejectable indications.

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TU Electric is continuing the evaluation of this issue to determine the impact of this condition upon the safety of plant operations. The next report on this issue will be submitted by October 16, 1991.

Sincerely,

William J. Cahill, Jr.

By: J. S. Marshall  
J. S. Marshall  
Generic Licensing Manager

CBC/bm

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