

August 26, 1992

Docket Nos. 50-445
and 50-446

Mr. William J. Cahill, J.
Group Vice President, Nuclear
TU Electric Company
400 North Olive Street, L.B. 81
Dallas, Texas 75201

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Dear Mr. Cahill:

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION UNITS 1 AND 2, RELIEF REQUEST
TO USE HELICAL COIL THREADED INSERTS (TAC NOS. M83214 AND M83215)

By letter dated March 19, 1992, TU Electric requested relief pursuant to 10 CFR 50.55(a)(3) to permit the use of helical coil threaded inserts to repair ASME Class 1, 2, and 3 components. Specifically, you want to install these inserts under the aegis of American Society of Mechanical Engineers (ASME) Code Case N-496, which was approved for use on March 14, 1991, but has not yet been endorsed by the NRC.

The use of a helical coil allows use of a replacement stud the same size as the original stud, so the replacement stud will meet all stress requirements. The helical coil has a larger cross-sectional surface area than the stud, so the stress on the coil is less than that on the stud and thus the coil meets all stress requirements. As the stress requirements of the original stud are met by the replacement stud and helical coil insert, the integrity of the component will not be adversely impacted by the use of a helical coil insert.

The staff has reviewed your request and concludes that the use of helical coil inserts in accordance with ASME Code Case N-496 provides an adequate level of quality and safety and, thus, is an acceptable alternative repair in accordance with 10 CFR 50.55a(3)(i).

Sincerely,

Original Signed By

Suzanne C. Black, Director
Project Directorate IV-2
Division of Reactor Projects III/IV/V
Office of Nuclear Reactor Regulation

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PDR ADOCK 05000445
P PDR

cc: See next page

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*See Previous Concurrence Sheet

OFFICE	PDIV-2/LA	PDIV-2/PM	PDIV-2/INT	PDIV-2/PM	OGC
NAME	EPeyton	TBergman	DRoth	BHolian	m. holian
DATE	8/14/92	8/17/92	8/17/92	8/18/92	8/25/92

OFFICE	NRR:EMCB*	PDIV-2/D			
NAME	WBateman	SBlack			
DATE	7/13/92	8/16/92	/ /	/ /	/ /

FILENAME: B:\CPM83214

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cc:

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Honorable Dale McPherson
County Judge
P. O. Box 851
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