



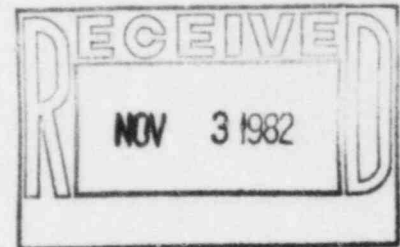
GULF STATES UTILITIES COMPANY

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November 1, 1982
RBG-13,665
File Nos. G9.5, G9.25.1.1

Mr. John T. Collins, Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV, Office of Inspection and Enforcement
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011



Dear Mr. Collins:

River Bend Station Unit 1
Refer To: RIV
Docket No. 50-458/Report 82-03

This letter responds to your letter, Docket No. 50-458/82-03, dated September 29, 1982, and provides additional information required to supplement our response (RBS-7809) to the Notice of Deviation on FSAR requirements for analysis and design of pipe supports using A500 Grade B tube steel material. Because this request for additional information was received on October 11, 1982, GSU requested, and was granted on October 12, 1982, an extension until November 1, 1982 (20 days from receipt) to provide this response.

Pipe supports at River Bend Station have been designed to the requirements of Subsection NF of the ASME Code. Sufficient ductility exists in the material to allow relief of the secondary stresses prior to the material reaching failure strain. Based on collected test data, the A500 Grade B tube steel used at River Bend has a minimum elongation of 12 percent after strain aging. This percentage provides sufficient ductility to allow relief of the expected secondary stresses by ductile displacements and localized yielding because:

1. The ductility ratio (ultimate strain to yield strain) for A500 Grade B tube steel with 12% elongation is 80 to 1, which provides ample margin for secondary stress relief.
2. Other ASME approved materials such as A513-77 Grade 1015C_w (see Code Case 1644) have a minimum elongation of less than 12 percent and would be acceptable NF material for pipe supports. This implies that the A500 Grade B material still maintains an acceptable minimum elongation after strain aging.

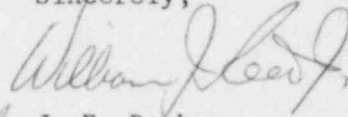
Mr. John T. Collins

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November 1, 1982

We believe the above information addresses the exclusion of secondary stresses as permitted by the Code. Please do not hesitate to contact us if you require clarification or information.

Sincerely,



for J. E. Booker
Manager-Engineering & Licensing
River Bend Nuclear Group

JEB
JEB/LAE/kt

cc: R. L. Brown (SRI)