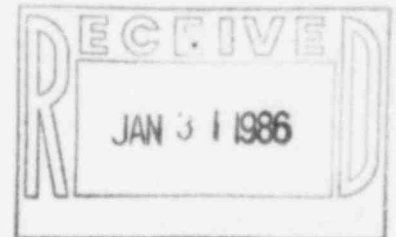


The Light company

Houston Lighting & Power P.O. Box 1700 Houston, Texas 77001 (713) 228-9211

January 28, 1986
ST-HL-AE-1584
File No.: G12.293

Mr. Robert D. Martin
Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011



South Texas Project
Units 1 & 2
Docket Nos. STN 50-498, STN 50-499
Final Report Concerning
The Specification for Pipe Support For Small Bore Piping

Dear Mr. Martin:

On October 21, 1985 Houston Lighting & Power (HL&P) notified your office, pursuant to 10CFR50.55(e), of an item involving the design of guide shoe attachments for insulated small bore piping supports. This is our final report concerning this item.

During a review of the small bore pipe support specification, concerns were identified in the design of the support assembly. Analytical calculations indicated overstress in the shoe guide attachment welds. This was due to a reduction in the effective throat size of the welds which is required by the AWS Code based on weld preparation angle. The original design calculations did not take this required reduction into account.

A second concern existed for two types of these assemblies. The specified clearances between the toe of the T-shoe and the inner surface of the shoe guide, combined with the allowable field installation tolerance, could result in loss of contact between the clamp T-shoe and one of its two guides.

A test program was initiated so that an analysis by load rating could be performed. Full size samples of these assemblies were subjected to loads until the assembly failed to perform its required function. The results of the tests indicate that in both cases the shoe guides would have performed their function without being overstressed and the safety of plant operation

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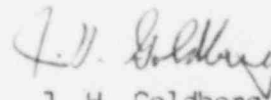
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would have not been adversely affected. Therefore, this item is not reportable pursuant to 10CFR50.55(e). For good construction practice, however, the field installation tolerances have been revised to preclude loss of contact between the clamp T-shoe and the guides.

If you should have any questions on this matter, please contact Mr. M. E. Powell at (713) 993-1328.

Very truly yours,



J. H. Goldberg
Group Vice President, Nuclear

PCL/yd

CC:

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Revised 12/2/85