

The Light company

Houston Lighting & Power

South Texas Project Electric Generating Station P. O. Box 289 Wadsworth, Texas 77483

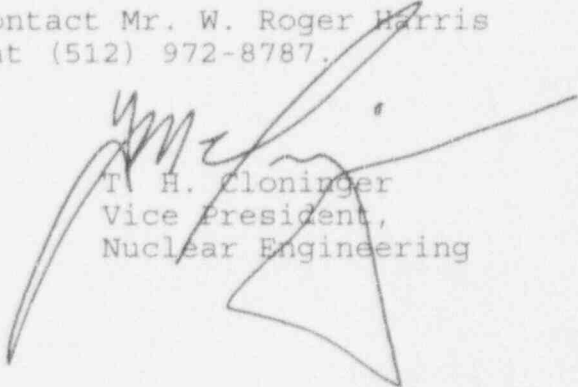
June 21, 1994
ST-HL-AE-4797
File No.: G09.16
10CFR50.55a

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

South Texas Project
Unit 1 and Unit 2
Docket Nos. STN 50-498 and 50-499
Request for Relief from ASME Boiler and
Pressure Vessel Code Section XI
Pump Relief Request No. RR-13 (Unit 1) and
Pump Relief Request Nos. RR-12 and RR-13 (Unit 2)

In accordance with 10CFR50.55A(g), Houston Lighting & Power Company (HL&P) submits Pump Relief Request (RR) RR-13 for Unit 1 and RR-12 and RR-13 for Unit 2 to use permanently installed instrumentation as an alternate testing instrument. Upon NRC approval of these relief requests, HL&P will commence using this permanently installed instrumentation for inservice testing of the applicable pumps and will revise the South Texas Project Unit 1 and Unit 2 Pump and Valve Inservice Test Plans.

Should you have any questions, please contact Mr. W. Roger Harris at site extension (512) 972-8475 or me at (512) 972-8787.



T. H. Cloninger
Vice President,
Nuclear Engineering

KJT/esh

Attachment 1: Pump Relief Request 13 (Unit 1)
Attachment 2: Pump Relief Request 12 (Unit 2)
Attachment 3: Pump Relief Request 13 (Unit 2)

9406270258 940621
PDR ADOCK 05000498
P PDR

c:

Leonard J. Callan
Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011

Rufus S. Scott
Associate General Counsel
Houston Lighting & Power Company
P. O. Box 61067
Houston, TX 77208

Lawrence E. Kokajko
Project Manager
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001 13H15

Institute of Nuclear Power
Operations - Records Center
700 Galleria Parkway
Atlanta, GA 30339-5957

David P. Loveless
Sr. Resident Inspector
c/o U. S. Nuclear Regulatory Comm.
P. O. Box 910
Bay City, TX 77404-910

Dr. Joseph M. Hendrie
50 Bellport Lane
Bellport, NY 11713

J. R. Newman, Esquire
Newman, Bouknight & Edgar, P.C.
STE 1000, 1615 L Street, N.W.
Washington, DC 20036

Richard A. Ratliff
Bureau of Radiation Control
Texas Department of Health
1100 West 49th Street
Austin, TX 78756-3189

K. J. Fiedler/M. T. Hardt
City Public Service
P. O. Box 1771
San Antonio, TX 78296

U. S. Nuclear Regulatory Comm.
Attn: Document Control Desk
Washington, D. C. 20555-0001

J. C. Lanier/M. B. Lee
City of Austin
Electric Utility Department
721 Barton Springs Road
Austin, TX 78704

J. R. Egan, Esquire
Egan & Associates, P.C.
2300 N Street, N.W.
Washington, D.C. 20037

G. E. Vaughn/C. A. Johnson
Central Power and Light Company
P. O. Box 2121
Corpus Christi, TX 78403

Unit 1 Pump and Valve
Inservice Test Plan (Rev 6)

PUMP RELIEF REQUEST 13

System: Component Cooling Water

Components: Component cooling water pumps 1A, 1B & 1C

Component Function: Provide cooling water for removal of heat from Engineered Safety Features.

Code Requirement: IWP-4110 and IWP-4120 for pressure instrumentation accuracy and full-scale range.

Basis for Relief:

The installed suction pressure gauges for the component cooling water pumps have a range of 160 psig and an accuracy of 0.5%. The reference values for suction pressure for these pumps have been as low as 21 psig. The ASME Code requires each analog instrument to have a full-scale range 3 times the reference value or less and an accuracy of ± 2 percent of full-scale. The installed suction pressure gauges for these component cooling water pumps has a full-scale range greater than 3 times the reference value, but has an accuracy of ± 0.5 percent which is more conservative than the Code. The combination of the range and accuracy of the installed suction pressure gauge yields a reading at least equivalent to the reading achieved from instruments that meet the Code requirements. The installed suction pressure gauge meets the intent of the Code requirements and yields an acceptable level of quality and safety for testing.

Alternate Testing

The permanently installed suction gauges for component cooling water pumps 1A, 1B & 1C will be used to obtain test measurements for evaluating pump operability.

Unit 2 Pump and Valve
Inservice Test Plan (Rev 4)

PUMP RELIEF REQUEST 12

System: Component Cooling Water

Components: Component cooling water pumps 2A, 2B & 2C

Component Function: Provide cooling water for removal of heat from Engineered Safety Features.

Code Requirement: IWP-4110 and IWP-4120 for pressure instrumentation accuracy and full-scale range.

Basis for Relief:

The installed suction pressure gauges for the component cooling water pumps have a range of 160 psig and an accuracy of 0.5%. The reference values for suction pressure for these pumps have been as low as 20 psig. The ASME Code requires each analog instrument to have a full-scale range 3 times the reference value or less and an accuracy of ± 2 percent of full-scale. The installed suction pressure gauges for these component cooling water pumps has a full-scale range greater than 3 times the reference value, but has an accuracy of ± 0.5 percent which is more conservative than the Code. The combination of the range and accuracy of the installed suction pressure gauge yields a reading at least equivalent to the reading achieved from instruments that meet the Code requirements. The installed suction pressure gauge meets the intent of the Code requirements and yields an acceptable level of quality and safety for testing.

Alternate Testing

The permanently installed suction gauges for component cooling water pumps 2A, 2B & 2C will be used to obtain test measurements for evaluating pump operability.

Unit 2 Pump and Valve
Inservice Test Plan (Rev 4)

PUMP RELIEF REQUEST 13

System: Essential Cooling Water System

Components: Essential cooling water screen wash booster pumps 2A, 2B & 2C

Component Function: Provide water at high pressure to backwash debris off the traveling screens located at the essential cooling water pump suction inlet from the essential cooling pond.

Code Requirement: IWP-4110 and IWP-4120 for pressure instrumentation accuracy and full-scale range.

Basis for Relief:

The installed discharge pressure gauges for essential cooling water screen wash booster pumps 2A, 2B & 2C have a range of 300 psig and an accuracy of 0.5%. The reference values for discharge pressure for these pumps have been as low as 87 psig. The ASME Code requires each analog instrument to have a full-scale range 3 times the reference value or less and an accuracy of ± 2 percent of full-scale. The installed discharge pressure gauges for these essential cooling water screen wash booster pumps have a full-scale range greater than 3 times the reference value, but has an accuracy of ± 0.5 percent which is more conservative than the Code. The combination of the range and accuracy of the installed discharge pressure gauge yields a reading at least equivalent to the reading achieved from instruments that meet the Code requirements. The installed discharge pressure gauge meets the intent of the Code requirements and yields an acceptable level of quality and safety for testing.

Alternate Testing

The permanently installed discharge gauges for essential cooling water screen wash booster pumps 2A, 2B & 2C will be used to obtain test measurements for evaluating pump operability.