

The Light company

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

January 26, 1981
ST-HL-AE-605
SFN: V-0530

Mr. Karl Seyfrit
Director, Region IV
Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76012

Dear Mr. Seyfrit:

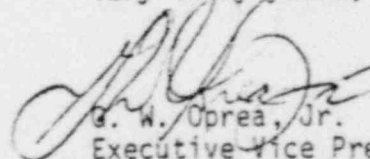
South Texas Project
Units 1&2
Docket Nos. STN 50-498, STN 50-499
Second Interim Report Concerning
Reactor Cavity Ventilation Design

On October 17, 1980, pursuant to 10CFR50.55(e), Houston Lighting & Power Company notified your office of an item concerning the reactor cavity ventilation design for the South Texas Project. During a confirmatory thermal analysis of the reactor coolant piping supports located in the primary shield wall penetrations, it was determined that the temperature of the primary shield wall concrete in the penetration and along the face exposed to the reactor vessel would exceed the specified limits. The following discussion provides the present status of this item.

A parameter study to define the minimum cooling air flow through the clearance between the reactor vessel and the primary shield wall to maintain concrete below its design temperature is undergoing design verification. In addition, "as built" measurements of the clearance between the reactor vessel insulation and the primary shield wall have been taken. Corrective action will not be determined until completion of further engineering evaluations. The next status report on this item will be submitted to your office by July 1, 1981.

If there are any questions concerning this item, please contact Mr. Michael E. Powell at (713) 676-8592.

Very truly yours,


G. W. Oprea, Jr.
Executive Vice President

MEP/mm f

3019
S
1/1

810200 628

5

Houston Lighting & Power Company

January 26, 1981

ST-HL-AE-605

SFN: V-0530

Page 2

cc: J. H. Goldberg

D. G. Barker

Howard Pyle

R. L. Waldrop

H. R. Dean

D. R. Beeth

J. D. Parsons

G. B. Painter

L. K. English

A. J. Granger

R. A. Frazar

H. S. Phillips

(NRC)

J. O. Read

(Read-Poland, Inc.)

M. D. Schwarz

(Baker & Botts)

R. Gordon Gooch

(Baker & Botts)

J. R. Newman

(Lowenstein, Newman, Reis & Axelrad)

Director, Office of Inspection & Enforcement

Nuclear Regulatory Commission

Washington, D. C. 20555

M. L. Borchelt
Executive Vice President
Central Power & Light Company
P. O. Box 2121
Corpus Christi, Texas 78403

R. L. Range
Central Power & Light Company
P. O. Box 2121
Corpus Christi, Texas 78403

R. L. Hancock
Director of Electrical Utilities
City of Austin
P. O. Box 1088
Austin, Texas 78767

T. H. Muehlenbeck
City of Austin
P. O. Box 1088
Austin, Texas 78767

J. B. Poston
Assistant General Manager of Operations
City Public Service Board
P. O. Box 1771
San Antonio, Texas 78296

A. vonRosenberg
City Public Service Board
P. O. Box 1771
San Antonio, Texas 78296

Charles Bechoefer, Esquire
Chairman, Atomic Safety & Licensing Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. James C. Lamb, III
313 Woodhaven Road
Chapel Hill, North Carolina 27514

Dr. Emmeth A. Luebke
Atomic Safety & Licensing Commission
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Citizens for Equitable Utilities
c/o Ms. Peggy Buchorn
Route 1, Box 1684
Brazoria, Texas 77422

Pat Coy
Citizens Concerned About Nuclear Power
5106 Casa Oro
San Antonio, Texas 77422

Betty Wheeler
Hoffman, Steeg & Wheeler
1008 S. Madison
Amarillo, Texas

Brian E. Berwick
Assistant Attorney General for the State of Texas
P. O. Box 12548
Capitol Station
Austin, Texas 78711

Bernard M. Bordenick
Hearing Attorney
Office of the Executive Legal Director
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555