

The Light company

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

October 24, 1985

ST-HL-AE-1446

File No.: G9.17

Mr. George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

South Texas Project
Units 1 and 2
Docket Nos. STN 50-498, STN 50-499
Responses to DSER/FSAR Items
Filter Housing Drain System; SGTR

Dear Mr. Knighton:

The attachments enclosed provide STP's response to Draft Safety Evaluation Report (DSER) or Final Safety Analysis Report (FSAR) items.

The item numbers listed below correspond to those assigned on STP's internal list of items for completion which includes open and confirmatory DSER items, STP FSAR open items and open NRC questions. This list was given to your Mr. N. Prasad Kadambi on October 8, 1985 by our Mr. M. E. Powell.

The attachments include mark-ups of FSAR pages which will be incorporated in a future FSAR amendment unless otherwise noted below.

The items which are attached to this letter are:

<u>Attachment</u>	<u>Item No.*</u>	<u>Subject</u>
1	D 0.5.2	Tables 6.2.1.4-1, -2; Mass and Energy Release for MSLB
	D 0.5-5	BN-TOP-3, Rev 4 (COPATTA Program)
	D 6.5-1	Filter Housing Drain System
	D 15.6-2	SGTR, WCAP-10698

***Legend**

D - DSER Open Item
F - FSAR Open Item

C - DSER Confirmatory Item
Q - FSAR Question Response Item

L1/DSER/az

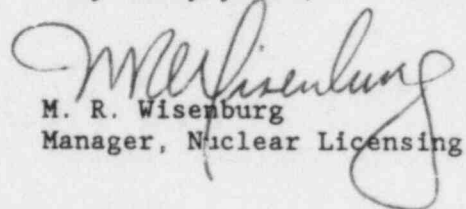
8511010195 851024
PDR ADOCK 05000498
E PDR

Boo1
11

<u>Attachment</u>	<u>Item No.*</u>	<u>Subject</u>
1	D 3.10-16	Identification of pumps and valves considered to be accessories for active safety-related equipment Note: This list of pumps and valves will not be incorporated into the FSAR.
	F 9.3-4	Provide concentrated Boric Acid Sample Cooler, polishing demineralizer and polishing filter design information

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

Very truly yours,


M. R. Wisenburg
Manager, Nuclear Licensing

JSP/vmq

Attachments: See above

*Legend

D - DSER Open Item
F - FSAR Open Item

C - DSER Confirmatory Item
Q - FSAR Questions

L1/DSER/az

cc:

Hugh L. Thompson, Jr., Director
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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

N. Prasad Kadambi, Project Manager
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, MD 20814

Claude E. Johnson
Senior Resident Inspector/STP
c/o U.S. Nuclear Regulatory
Commission
P.O. Box 910
Bay City, TX 77414

M.D. Schwarz, Jr., Esquire
Baker & Botts
One Shell Plaza
Houston, TX 77002

J.R. Newman, Esquire
Newman & Holtzinger, P.C.
1615 L Street, N.W.
Washington, DC 20036

Director, Office of Inspection
and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

E.R. Brooks/R.L. Range
Central Power & Light Company
P.O. Box 2121
Corpus Christi, TX 78403

H.L. Peterson/G. Pokorny
City of Austin
P.O. Box 1088
Austin, TX 78767

J.B. Poston/A. vonRosenberg
City Public Service Board
P.O. Box 1771
San Antonio, TX 78296

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

Lanny A. Sinkin
3022 Porter Street, N.W. #304
Washington, DC 20008

Oreste R. Pirfo, Esquire
Hearing Attorney
Office of the Executive Legal Director
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Charles Bechhoefer, Esquire
Chairman, Atomic Safety &
Licensing Board
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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

Judge Frederick J. Shon
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Ray Goldstein, Esquire
1001 Vaughn Building
807 Brazos
Austin, TX 78701

Citizens for Equitable Utilities, Inc.
c/o Ms. Peggy Buchorn
Route 1, Box 1634
Brazoria, TX 77422

Docketing & Service Section
Office of the Secretary
U.S. Nuclear Regulatory Commission
Washington, DC 20555
(3 Copies)

Advisory Committee on Reactor Safeguards
U.S. Nuclear Regulatory Commission
1717 H Street
Washington, DC 20555

Revised 9/25/85

South Texas Project
Units 1 and 2
Docket Nos. STN 50-498, STN 50-499
Responses to DSER/FSAR Items
Filter Housing Drain System; SGTR

0.5-2 Do Tables 6.2.1.4-1 and 2 include superheat?

Closure: The mass and energy release data found in the Tables (6.2.1.4-1 and 2) does not include superheat.

0.5-5 Please provide BN-TOP-3 Revision 4.

Closure: Bechtel's topical BN-TOP-3, Rev. 4 was provided to the NRC in a letter dated Sept. 30, 1977 from Mr. B. Lex (Manager of Engineering) to M. K. Kniel (Chief of LWR's, USNRC).

This code has been used by Bechtel on other projects and the results obtained have been found acceptable based on the NRC's confirmatory calculations.

6.5-1 Provide adequate assurance that the water seals in the filter housing drain system are always maintained.

Closure: The FHB filter unit drain pipes are not submerged in a water-filled barrel. A normally closed shut-off valve will be provided in the drain pipes of the FHB filter units to preclude the possibility of air infiltration and allow draining of the units.

15.6-2 The staff has received the initial report of the Subgroup, WCAP-10698, and is currently waiting for supplements.

Closure: As stated in the response to question 440.70 STP is a member of the Westinghouse Owners Group on SGTR. Upon resolution of the issue and issuance of the final report HL&P intends to use the guidance developed by the Owners Group. This item should be considered confirmatory pending final acceptance of the Westinghouse Owners Group final submittal by the NRC.

3.10-16 The applicant should identify any pumps and valves that are considered to be functional accessories for active safety-related equipment.

Closure: Attached is a preliminary list of those pumps and valves which are considered functional accessories for active safety-related equipment for information. This list, however, will not be included in the FSAR. Details on the qualification of these components will be provided as part of the master list of components which is to be submitted prior to the PVORT/SQRT audits. The schedule for the submittal was provided to you under a separate letter (ST-HL-AE-1300 dated July 17, 1985).

9.3-4 Provide concentrated Boric Acid Sample Cooler, Polishing Demineralizer and filter design information.

Closure: This information was provided in letter ST-HL-AE-1396 dated October 12, 1985

PUMPS & VALVES NEEDED FOR OPERATION IN
QUALIFIED CONTROLS - PURCHASED EQUIPMENT

ATTACHMENT 1
ST-HL-AE-1446
PAGE 3 OF 4

A. ELECTROHYDRAULIC ACTUATORS FOR SG PORV'S

PORV TAG NUMBERS :	A1MS-PV-7411	A2MS-PV-7411
	B1MS-PV-7421	B2MS-PV-7421
	C1MS-PV-7431	C2MS-PV-7431
	D1MS-PV-7441	D2MS-PV-7441

B. PUMPS/VALVES IN HYDROGEN ANALYZERS (TOTAL 4, 2EA ON UNIT 1 & UNIT 2)
[AIT-4102 ; AIT-4105 ; ART-4102 ; ART-4105]

SAMPLE PUMP : 1 per analyzer

PRESSURE REGULATORS : 3 per analyzer

SAMPLE INLET & OUTLET VALVES (MANUAL) : 2 per analyzer

C. RADIATION MONITORS EQUIPMENT - listed for Unit 1; same for Unit 2

<u>MONITOR #</u>	<u>SAMPLE PUMP</u>	<u>FLW VALVE</u>
A1RA-RT-8012	yes - no tag #	A1RA-FV-8012A A1RA-MOV-8012
C1RA-RT-8013	yes - no tag #	C1RA-FV-8013A C1RA-MOV-8013
A1RA-RT-8033	yes - no tag #	A1RA-FV-8033A A1RA-MOV-8033
C1RA-RT-8034	yes - no tag #	C1RA-FV-8034A C1RA-MOV-8034
A1RA-RT-8035	yes - no tag #	A1RA-FV-8035A A1RA-MOV-8035
C1RA-RT-8036	yes - no tag #	C1RA-FV-8036A C1RA-MOV-8036
<u>RG1.97 Category 2 monitors</u>		
N1RA-RT-8038	yes - no tag #	N1RA-FV-8038
N1RA-RT-8010B	yes - 2 - no tag #'s	N1RA-FV-8010B N1RA-MOV-8010L N1RA-FV-8010A N1RA-MOV-8010H
N1RA-RT-8027	yes - 2 - no tag #'s	N1RA-FV-8027B N1RA-MOV-8027L N1RA-FV-8027A N1RA-MOV-8027H

D. Standby Diesel Generator

<u>System</u>	<u>Pumps</u>	<u>Valves</u>
Lube Oil	Lube Oil Standby Pump	Pump Disc. Check Valve
		Temperature Control Valve
		Check Valve
Jacket Water	Jacket Water Pump	Pump Disc. Check Valve
Starting Air	—	Receiver Inlet Check Valves

E. Essential Chiller Packages

<u>Pumps</u>	<u>Valves</u>
Oil Pump	Hot Gas Bypass Valve

F. Auxiliary Feedwater Pump Turbine

<u>Pumps</u>	<u>Valve</u>
Shift Driven Lube Oil Pump	Trip and Throttle Valve