

The Light company

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

October 31, 1985
ST-HL-AE-1493
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 50-492, STN 50-499
Responses to DSER/FSAR Items
Tables 3.9-4 and 3.9-4C

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 3.10-17	Identify Non-Active Pumps in Tables 3.9-4 and 3.9-4C

8511050268 851031
PDR ADOCK 05000498
E PDR

* Legend

D - DSER Open Item
F - FSAR Open Item

C - DSER Confirmatory Item
Q - FSAR Question Response Item

L1/DSER/a5

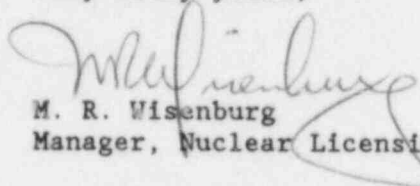
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If you should have any questions concerning this matter, please
contact Mr. Powell at (713) 993-1328.

Very truly yours,


M. R. Wisenburg
Manager, Nuclear Licensing

JSP/b1

Attachments: See above

L1/DSER/a5

cc:

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Revised 9/25/85

TABLE 3.9-4

STRESS CRITERIA FOR ASME CODE SECTION III
CLASS 2 AND 3 NONACTIVE PUMPS⁽⁵⁾
(BOP SCOPE OF SUPPLY)

PLANT CONDITION	STRESS LIMITS	$P_{max}^{(1)}$
Design and Normal	The pump conforms to the requirements of ASME Code, Section III, NC-3400 (or ND-3400)	1.0
Upset	$\sigma_m \leq 1.1S$ $(\sigma_m \text{ or } \sigma_L) + \sigma_b \leq 1.65S$	1.1
Emergency	$\sigma_m \leq 1.5S$ $(\sigma_m \text{ or } \sigma_L) + \sigma_b \leq 1.8S$	1.2
Faulted	$\sigma_m \leq 2.0S$ $(\sigma_m \text{ or } \sigma_L) + \sigma_b \leq 2.4S$	1.5

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NOTES:

- (1) The maximum pressure does not exceed the tabulated factors listed under P_{max} times the design pressure.
- (2) Pump mounting feet or pedestal supports which are integrally attached to the pump pressure retaining boundary are designed to the stress limit requirements in this table. Pump support components which are not integrally attached to the pump pressure retaining boundary are designed to the requirements of ASME III, subsection NF and AISC as applicable.
- (3) Loads imposed on the pump nozzles by connecting piping are provided in the pump specification and are considered in the pump design. Piping system design limits the loads imposed on the pump nozzles to those values.
- (4) Definition of terms is provided in Table 3.9-3.
- (5) *Excludes DSG Lube oil circulation pump and DSG jacket water circulation pump.*

STRESS CRITERIA FOR ASME CODE CLASS 2 AND 3
NON-ACTIVE PUMPS* BY THE NSSS SUPPLIER

Design/Service Level	Stress Limits ^(a)
Design and Service Level A	NC-3423 (ND-3423)
Service Level B	NC-3423 (ND-3423)
Service Level C	NC-3423 (ND-3423)
Service Level D	NC-3423 (ND-3423)

* Positive Displacement Charging Pump
 Reactor Coolant Purification Pump
 Recycle Evaporator Feed Pump
 Refueling Water Purification Pump

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NOTES:

- a. As specified by ASME B&PV Code, Section III.