

The Light company

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October 24, 1985

ST-HL-AE-1450

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
Regarding Question 130.20

Dear Mr. Knighton:

The attachment enclosed provides 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 attachment includes 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	Q130.020-1	Revised response to Q130.20

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***Legend**

D - DSER Open Item
F - FSAR Open Item

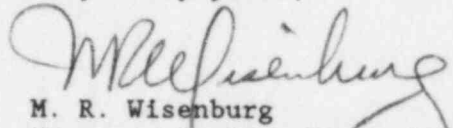
C - DSER Confirmatory Item
Q - FSAR Question Response Item

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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. Wisenburger
Manager, Nuclear Licensing

CAA/vmq

Attachments: See above

cc:

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Revised 9/25/85

Question 130.20

You state on page 3.8-9 of the FSAR that "shield walls... absorb impact from pipe whip and jet impingement pressure for small penetration." Discuss, with sketches, the shield walls provided and the provisions for large penetrations.

Response

The high energy line breaks are currently being re-evaluated. The criteria and load combinations used in the design of jet impingement barriers (JIBs) are in accordance with Section 3.8.3 and 3.8.4. Typical barrier design will be provided in Section 3.6.

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Section 3.8.1.3 has been revised to reflect the applicable definition for pipe rupture loads used in the design of the containment. Load combinations, including pipe rupture loads, are included in Section 3.8.1.

Section 3.6 provides the criteria, methodology, and selected results used in the STP high energy pipe break evaluation.