

The Light company

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October 12, 1985
ST-HL-AE-1408
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
Response to DSER/FSAR Items for Chapters 3 & 4

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 items which are attached to this letter are:

<u>Attachment</u>	<u>Item No.*</u>	<u>Subject</u>
1	D 3.11-1, D 4.2-8, D 4.4-6	Environmental Qualification Detection of Fuel Rod Failure Schedule/for ICC system installation

Attachment 1 provides answers to the subject items. Changes to the FSAR are not required.

* Legend

D - DSER Open Item
F - FSAR Open Item

C - DSER Confirmatory Item
Q - FSAR Question Response Item

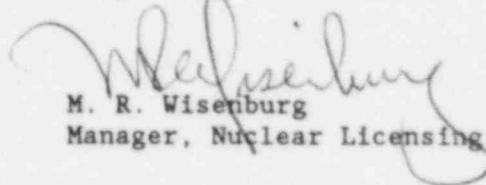
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If you should have any questions concerning this matter, please contact Mr. Powell at (713) 993-1328.

Very truly yours,



M. R. Wisenburger
Manager, Nuclear Licensing

MEP/bl

Attachments: See above

cc:

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Revised 9/25/85

Attachment 1

Responses to NRC DSER
Open Items 3.11-1, 4.2-8
and 4.4-6

SER OPEN ITEM #3.11-1

Provide a list of all non-safety electrical equipment in a harsh environment whose failure could prevent safety-related equipment from performing its safety function.

CLOSURE:

The response to NRC Question 32.44 provides an evaluation of potential interactions between non-safety and safety grade equipment which could occur because of the adverse environment resulting from a high energy line break. This evaluation did not result in the identification of any non-safety grade equipment whose failure under postulated environmental conditions could prevent the safety-related equipment from satisfactorily performing its safety function.

SER OPEN ITEM #4.2-8

The sensitivity of the instruments to detect fuel rod failure also must be confirmed.

CLOSURE:

Section 4.2.4.7 and 11.5 provide a discussion of the failed fuel monitor and its sensitivities.

SER OPEN ITEM #4.4-6

Provide the schedule for having the entire ICC System installed and ready for testing.

CLOSURE:

The Inadequate Core Cooling Instrumentation consists of:

- Reactor Vessel Water Level Instrumentation
- Incore Thermocouples (Core Exit Temperature)
- RCS Subcooled Margin Monitoring

These instrumentation subsystems are scheduled for release to startup for test during the second quarter of 1986.