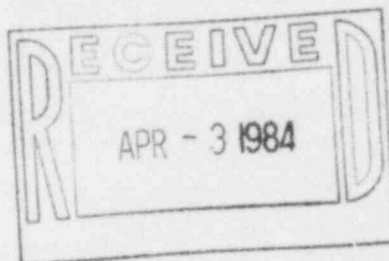


# The Light company

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

March 26, 1984  
ST-HL-AE-1067  
File No.: G12.189

Mr. John T. Collins  
Regional Administrator, Region IV  
Nuclear Regulatory Commission  
611 Ryan Plaza Dr., Suite 1000  
Arlington, Texas 76012



Dear Mr. Collins:

South Texas Project  
Units 1 & 2  
Docket Nos. STN 50-498, STN 50-499  
First Interim Report Concerning the  
ESF Load Sequencer Logic Design

On February 24, 1984, pursuant to 10CFR50.55(e), Houston Lighting & Power Company (HL&P) notified your office of an item concerning the Engineered Safety Features (ESF) Load Sequencer logic design. Upon the loss of offsite power (LOOP), the ESF Load Sequencer initiates a bus strip signal and loads the standby diesel generators on the ESF buses. In the case of a safety injection signal (SI) immediately followed by a LOOP or a LOOP immediately followed by an SI, the timing of the bus strip and initiation of the loading sequence results in the first and second loads being applied to the diesel generators without a sufficient intervening time delay. The result is potential degradation of the standby diesel generator performance and potential failure to establish adequate emergency core cooling following a loss of coolant accident or main steam line break. This deficiency is the result of a change to the ESF Load Sequencer logic design initiated by Bechtel.

HL&P is reviewing the Bechtel recommended corrective action for the scenario of a LOOP followed by an SI. The corrective action for the other scenario is still being evaluated by Bechtel.

The next report concerning this item will be submitted to your office by June 29, 1984. This report will include a description of the corrective actions to be implemented.

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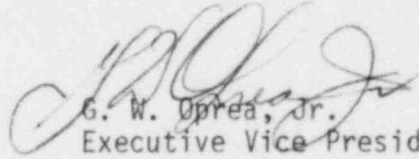
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Houston Lighting & Power Company

March 26, 1984  
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Page 2

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

Very truly yours,

  
G. W. Oprea, Jr.  
Executive Vice President

MEP/mpg

cc:

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