

The Light company

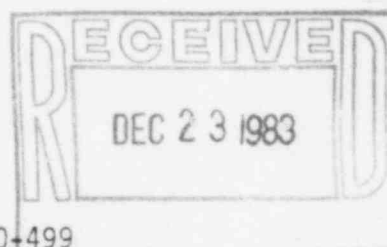
Houston Lighting & Power P.O. Box 1700 Houston, Texas 77001 (713) 228-9211

December 19, 1983
ST-HL-AE-1039
File No.: G12.171

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
Final Report Concerning
Target Rock Pilot Actuated
Solenoid Valves



On November 18, 1983, pursuant to 10CFR50.55(e), Houston Lighting & Power Company (HL&P), notified your office of an item concerning pilot actuated solenoid containment isolation valves supplied to the South Texas Project (STP) by the Target Rock Corporation (hereinafter Target Rock).

Bechtel has evaluated this item and provided HL&P with results of their evaluation. The evaluation concludes that, if left uncorrected, the limits of 10CFR100 and 10CFR50 would not be exceeded. Since the results of evaluation show that a safety hazard does not exist, this item does not meet the criteria of 10CFR50.55(e) and, therefore, is not reportable. A summary of the evaluation is delineated below.

As a result of discussions with the vendor (Target Rock) and a review of the specifications, it was determined that the pilot actuated solenoid valves would not provide a tight seal at low differential pressure across the valve. In addition, the subject valves would not seat when downstream pressure was higher than upstream pressure.

A single failure review resulted in the determination that only one flowpath to the environment for containment leakage at a time can exist. A conservative dose analysis was performed assuming that a single failure occurred. The dose consequences of this release were less than 10CFR100 and 10CFR50 (GDC 19) limits.

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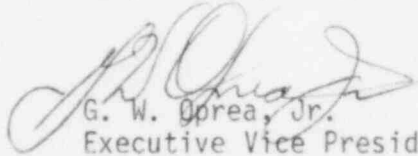
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In order to assure that adequate design margins are maintained with regard to containment leakage and dose limits, a portion of the valves may be replaced or supplemented with valves of a more leak tight design.

If you should have any questions concerning this item, 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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