

The Light company

Houston Lighting & Power

South Texas Project Electric Generating Station P. O. Box 289 Wadsworth, Texas 77483

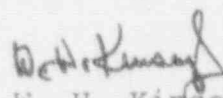
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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

South Texas Project
Unit 1
Docket No. STN 50-498
Special Report Regarding the Seismic
Monitoring System Being Inoperable for Greater than 30 Days

Pursuant to the South Texas Project Electric Generating Station (STPEGS) Technical Specifications, Houston Lighting & Power (HL&P) submits the attached Special Report regarding the Seismic Monitoring system being inoperable for greater than 30 days. This event did not have an adverse effect on the health and safety of the public.

If you should have any questions on this matter, please contact Mr. C. A. Ayala at (512) 972-8628 or me at (512) 972-7921.


W. H. Kinsey, Jr.
Vice President,
Nuclear Generation

JMP/ag

Attachment: Special Report Regarding the Seismic Monitoring System
Being Inoperable for Greater than 30 Days

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A Subsidiary of Houston Industries Incorporated

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Houston Lighting & Power Company
South Texas Project Electric Generating Station

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South Texas Project
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Docket No. STN 50-498
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DESCRIPTION OF EVENT

Technical Specification 3.3.3.3 requires that with one or more of the Seismic Monitoring System instruments inoperable for more than 30 days, a special report be written within the next 10 days outlining the cause of the malfunction and the plans for restoring the instrument(s) to operable status. This report fulfills that requirement.

On November 28, 1992, at 0628 hours while Unit 1 was in a refueling outage, surveillance testing was started on the Seismic Monitoring System. The Seismic Monitoring System was declared inoperable and placed in the out of service log. The surveillance test requires several days to perform.

During the performance of this surveillance test the following hardware problems were identified:

- While performing the calibration of the triaxial accelerometer, the backup batteries were discharged. The batteries were recharged and replaced as necessary.
- The Digital Cassette Accelerograph (DCA) analog trigger card was found to be out of tolerance and would not adjust. The trigger card was replaced.
- A problem with the seismic trigger and the master relay was encountered which was determined to be a faulty thumbwheel and toggle switch board. These were subsequently replaced.
- A broken wire was found on the regulator board of the master DCA, resulting in a failure of the cassette tape deck. The wire was repaired and the trigger card was found to be within tolerance limits.
- The playback response test was not working due to the failure of two master logic cards were replaced.
- A cassette deck was replaced on the DCA master due to intermittent operation.

On December 30, 1992, the surveillance test was completed satisfactorily and the Seismic Monitoring System was declared operable on January 2, 1993, at 0105 hours.

CAUSE OF MALFUNCTION

The Seismic Monitoring System was inoperable for greater than 30 days as a result of failure to properly manage Technical Specification required equipment priorities. An evaluation is being performed to determine the cause for the failure to properly manage the initial problem and why there were numerous equipment problems.

PLANS FOR RESTORATION TO OPERABILITY

The Seismic Monitoring System was returned to an operable status on January 2, 1993 at 0105 hours. No further restoration actions are required.