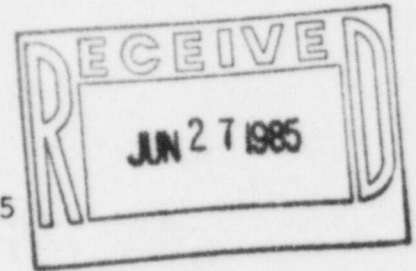




KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR



June 24, 1985

Mr. R.D. Martin, Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

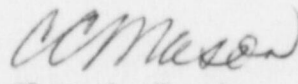
KMLNRC 85-163
Re: Docket No. STN 50-482
Subj: Special Report 85-008

Dear Mr. Martin:

The enclosed Special Report is submitted pursuant to Technical Specifications 6.9.2 and 3.3.3.3.

If you have any questions concerning this matter, please contact me or Mr. Otto Maynard of my staff.

Yours very truly,

for 
Glenn L. Koester
Vice President - Nuclear

GLK:dab

Enclosure

xc: PO'Connor (2), w/a
JCummins, w/a

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SPECIAL REPORT 85-008

Seismic Monitor Inoperability

On May 15, 1985, a seismic monitoring instrument was declared inoperable. This Special Report is being submitted pursuant to Technical Specifications 3.3.3.3 and 6.9.2 due to the seismic monitoring instrumentation remaining out of service for more than 30 days.

On May 14, 1985, at approximately 2016 CDT, the annunciators 98D and 98E, indicating "Operating Basis Earthquake" and "Seismic Recorder On", alarmed on the Main Control Board. The Watch Station Operators were dispatched to examine the Engineered Safety Features (ESF) components for signs of damage. In the meantime, an unsuccessful attempt was made to clear the alarms.

The Instrumentation and Control group (I&C) was contacted to investigate and retrieve data from the seismic recorders. The examination of ESF components revealed no evidence of damage to plant equipment or occurrence of a seismic event. At approximately 0315 CDT on May 15, 1985, the Containment Base Slab seismic monitor was declared inoperable due to the preliminary results of I&C's investigation and due to the fact that there was no evidence that a seismic event had actually occurred.

A failed power supply in the seismic monitoring system was subsequently discovered and replaced with a new power supply. The replacement power supply also failed due to its inadvertent operation prior to completion of installation.

A temporary power supply was installed in place of the failed power supplies in order to verify the operability of the system. During the process of verifying operability, a failure was discovered in free-field accelerometer SG-AR01.

A Work Request has been initiated to uncover the free-field accelerometer, which is buried approximately eight (8) feet deep, and determine the cause of its failure.

The root cause of the failure of the power supply that initially rendered the Containment Base Slab seismic monitor inoperable is unknown at this time. However, a new power supply to replace the failed power supplies has been ordered and will be installed upon receipt. During the interim, a temporary power supply has been installed to make the seismic monitoring system functional.

Upon completion of the investigation into the failure of SG-AR01, the surveillance procedure STS IC-894, "Channel Calibration Triax Time History and Response Spectrum Recording System" will be performed to verify the operability of the seismic monitoring instrumentation.