



Public Service Electric and Gas Company P.O. Box E Hancocks Bridge, New Jersey 08038

Salem Generating Station

February 24, 1984

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

Dear Sir:

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 83-062/99X-1
SUPPLEMENTAL REPORT

Pursuant to the requirements of Salem Generating Station
Unit No. 1 Technical Specifications, Section 6.9.2.b,
we are submitting supplemental Licensee Event Report for
Reportable Occurrence 83-062/99X-1.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "J. M. Zupko, Jr.", written in dark ink.

J. M. Zupko, Jr.
General Manager -
Salem Operations

JR:k11742

CC: Distribution

IE22
1/1

Report Number: 83-062/99X-1
Report Date: 02/24/84
Occurrence Date: 11/22/83
Facility: Salem Generating Station Unit 1
Public Service Electric & Gas Company
Hancock's Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Seismic Instrumentation - Reactor Containment 81' Elevation - Triaxial
Time-History Accelograph - Inoperable

This report was initiated by Incident Report 83-211

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 100 % - Unit Load 1150 MWe

DESCRIPTION OF OCCURRENCE:

Approximately 1400 hours, November 22, 1983, during routine power operation, while performing surveillance testing of seismic monitoring instrumentation, the Triaxial Time-History Accelograph (located inside of the bioshield on the 81' elevation of the containment building) did not respond as required. The instrument was declared inoperable at that time. The symptoms indicate a failed detector. Because the detector is located inside of the bioshield, a thorough investigation could not be conducted while the unit was at power. In accordance with Technical Specification Action Statement 3.3.3.3.a, a special report was submitted to the Commission on December 30, 1983, stating that the instrument would be repaired during the next available shutdown.

APPARENT CAUSE OF OCCURRENCE:

Subsequently, during a maintenance shutdown, investigation revealed that the detector (Kinometrics Model FBA-3 accelerometer) had failed. The detector was contaminated, which precluded the possibility of troubleshooting and determining the exact failure mechanism. Since this was the first detector failure experienced, the occurrence was of an isolated nature.

ANALYSIS OF OCCURRENCE:

The operability of the seismic instrumentation ensures that sufficient capability is available to promptly determine the magnitude of a seismic event and evaluate the response of those features important to safety. This capability is required to permit comparison of the measured response to that used in the design basis for the facility.

ANALYSIS OF OCCURRENCE: (cont'd)

Technical Specification Action Statement 3.3.3.3.a. states:

With one or more seismic monitoring instruments inoperable for more than 30 days, prepare and submit a special report to the Commission pursuant to Specification 6.9.2 within the next 10 days outlining the cause of the malfunction and the plans for restoring the instrument(s) to operable status.

The redundant Triaxial Time-History Accelerographs, located on the 130' elevation of the containment building and on the 122' elevation of the auxiliary building, were operable throughout the occurrence. This event involved no undue risk to the health or safety of the public. Because the instrument was not repaired within thirty (30) days, the initial report was submitted in accordance with Technical Specification 6.9.2.b.

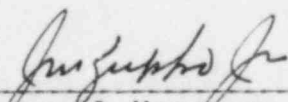
CORRECTIVE ACTION:

On January 4, 1984, the Triaxial Time-History Accelerometer was replaced. The surveillance was again performed, with the instrument functioning satisfactorily.

FAILURE DATA:

Kinematics Inc.
Time-History Accelerograph
Accelerometer
Model FBA-3

Prepared By J. Rupp



General Manager -
Salem Operations

SORC Meeting No. 84-024