# LICENSEE EVENT REPORT

	LICENSEE EVENT REPORT
	CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)
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CON'T 0 1 7 8	REPORT L 6 0 5 0 0 0 2 7 2 7 1 1 1 2 2 8 3 8 0 2 2 4 8 4 9  EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10  On November 22, 1983, while performing routine surveillance testing on Seismic Instru-
0 3	mentation, the Triaxial Time-History Accelograph located behind the bioshield on
0 4	81' Elevation of the containment building, did not respond as required. The instru-
0 5	ment was declared inoperable, and a special report was submitted on December 30, 1983.
0 6	On January 4, 1984, during a maintenance shutdown, the accelerometer was replaced. The
0 7	redundant accelographs were operable throughout the occurrence, and the event involved
08	no undue risks to the health or safety of the public.
0 9	SYSTEM CAUSE CODE SUBCODE COMPONENT CODE SUBCODE SUBCO
	17   REPORT   8   3   3   3   3   3   4   19   2   20   3   3   3   3   3   3   3   3   3
1 6	The detector (Kinemetrics Model FBA-3 accelerometer) was contaminated, which
11	precluded the possibility of troubleshooting and determining the exact failure
1 2	mechanism. Since this was the first detector failure experienced, the occurrence
13	was of an isolated nature.
1 4	
7 8	FACILITY STATUS SPOWER OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32    E   28   1   0   0   29   N/A     B   31   Surveillance Testing   80
1 6	ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35  N/A  10  N/A  80
1 7	PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39  N/A  PERSONNEL INJURIES  PERSONNEL INJURIES  PERSONNEL INJURIES
1 8 7 8	NUMBER DESCRIPTION (41)  9 11 12  LOSS OF OR DAMAGE TO FACILITY (43)  PDR ADDCK 050002/2
7 8	Z 42 N/A PDR
2 0	PUBLICITY ISSUED DESCRIPTION 45  N/A
7 8	9 10 68 69 80 5 NAME OF PREPARER PHONE: (609) 339-4309



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,

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

JR: k11747

CC: Distribution

TEZZ

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 cf the bioshield on the 81' elevation of the containent 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 ( Kinemetrics 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 Accelographs, located on the 130' elevation of the antainment building and on the 122' elevation of the auxiliary building are 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:

Kinemetrics Inc. Time-History Accelograph Accelerometer Model FBA-3

Prepared By J. Rupp

SORC Meeting No. 84-024

General Manager -Salem Operations