

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Salem Generating Station - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 2 7 2	PAGE (3) 1 OF 0 4
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TITLE (4)
T. S. 3.7.11 Non-Compliance - Impaired Fire Barrier Penetrations Discovered

EVENT DATE (5)				LER NUMBER (6)		REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)																	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)																
0	6	0	4	8	7	8	7	-	0	0	9	-	0	0	0	7	0	2	8	7		0	5	0	0	0
										0 5 0 0 0		0 5 0 0 0														

OPERATING MODE (9) 1

POWER LEVEL (10) 0 5 1 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(i)	50.38(c)(1)	50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(ii)	50.38(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME: M. J. Pollack - LER Coordinator

TELEPHONE NUMBER: 6 0 9 3 3 9 - 4 0 2 2

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On June 4, 1987, at 0500 hours, Fire Protection Department (FPD) personnel discovered fourteen (14) improperly sealed fire barrier cable penetrations which lead from the 100' Elevation Relay Room to a 113' Elevation "Cable Vault". This is contrary to the requirements of Technical Specification 3.7.11. Technical Specification Action Statement 3.7.11.a was entered upon discovery of the impaired penetrations and a roving one hour fire watch was established. The penetrations were sealed on June 8, 1987 and Technical Specification Action Statement 3.7.11.a was exited. The root cause of the impairments could not be positively determined. Positive identification of when or by whom the penetrations were impaired since the last surveillance could not be made. A review of the administrative control of planned impairments (facility/equipment modifications) will be conducted.

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PLANT AND SYSTEM IDENTIFICATION:

Westinghouse - Pressurized Water Reactor

Energy Industry Identification System (EIIS) codes are identified in the text as {xx}

IDENTIFICATION OF OCCURRENCE:

Technical Specification 3.7.11 Non-Compliance - Impaired Fire Barrier Penetrations Discovered

Discovery Date: 06/04/87

Report Date: 07/02/87

This report was initiated by Incident Report No. 87-217

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 Reactor Power 50% - Unit Load 572 MWe

DESCRIPTION OF OCCURRENCE:

On June 4, 1987, at 0500 hours, Fire Protection Department (FPD) personnel discovered, during performance of Technical Specification Surveillance 4.7.11.a., fourteen (14) improperly sealed fire barrier cable penetrations which lead from the 100' Elevation Relay Room to a 113' Elevation "Cable Vault". This is contrary to the requirements of Technical Specification 3.7.11. Technical Specification 3.7.11.a was entered upon discovery of the impairments and a roving one hour fire watch was established. The penetrations were sealed as of June 8, 1987 at 2315 hours, and Technical Specification Action Statement 3.7.11.a was exited.

Technical Specification 3.7.11 states:

"All fire barrier penetrations (including cable penetration barriers, fire doors and fire dampers), in fire zone boundaries, protecting safety related areas shall be functional."

Technical Specification Action Statement 3.7.11.a states:

"With one or more of the above required fire barrier penetrations non-functional, within one hour either establish a continuous fire watch on at least one side of the affected penetration, or verify the OPERABILITY of fire detectors on at least one side of the non-functional fire barrier and establish an hourly fire watch patrol. Restore the non-functional fire barrier penetration(s) to functional status within 7 days or, in lieu of any other report required by Specification 6.9.1, prepare and submit a Special Report to the Commission pursuant

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DESCRIPTION OF OCCURRENCE: (cont'd)

to Specification 6.9.2 within the next 30 days outlining the action taken, the cause of the non-functional penetration and plans and schedule for restoring the fire barrier penetration(s) to functional status."

Technical Specification Surveillance 4.7.11.a states:

"Each of the above required penetration fire barriers shall be verified to be functional:

- a. At least once per 18 months by a visual inspection, and ..."

APPARENT CAUSE OF OCCURRENCE:

The root cause of the impairment could not be positively determined. Inspection of this area was last performed eighteen months ago with satisfactory results. Positive identification of when or by whom the penetrations were impaired since the last surveillance could not be made.

ANALYSIS OF OCCURRENCE:

The functional integrity of the penetration fire barriers ensures that fires will be confined or adequately retarded from spreading to adjacent portions of the facility. This design feature minimizes the possibility of a single fire involving several areas of the facility. The penetration fire barriers are a passive element in the facility fire protection program and are subject to periodic inspections. However, because the fire barrier was impaired for an undetermined length of time with no posted permanent or one hour roving fire patrol (as per Technical Specification Action Statement 3.7.11.a) this event is reportable in accordance with Code of Federal Regulations 10CFR 50.73(a)(2)(i)(B). Appropriate actions were taken in accordance with the requirements of Technical Specification Action Statement 3.7.11.a to establish a one hour roving fire watch for the impaired fire barrier once the impairments were identified.

With the penetrations inadequately sealed it cannot be assured a fire in one area would not affect the adjacent fire area. Both areas contain detection and independent suppression systems in addition to the roving fire watch patrol. Therefore, it is reasonable to assume that a fire in either area would be detected and extinguished before it could involve the adjacent area. This occurrence therefore involved no undue risk to the health or safety of the public.

CORRECTIVE ACTION:

A one hour roving fire watch was established upon discovery of the impairments in accordance with Technical Specification 3.7.11.a. Upon sealing the penetrations, the fire watch was discontinued.

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CORRECTIVE ACTION: (cont'd)

A review of the administrative control of planned impairments (facility/equipment modifications) will be conducted.


General Manager -
Salem Operations

MJP:pc

SORC Mtg. 87-049



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

Salem Generating Station

July 02, 1987

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

Dear Sir:

SALEM GENERATING STATION
LICENSE NO. DPR-70
DOCKET NO. 50-272
UNIT NO. 1
LICENSEE EVENT REPORT 87-009-00

This Licensee Event Report is being submitted pursuant to the requirements of 10CFR 50.73(a)(2)(i). This report is required within thirty (30) days of discovery.

Sincerely yours,

A handwritten signature in cursive script that reads "J. M. Zupko, Jr." with a circled initial "J" and a checkmark-like flourish at the end.

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

MJP:pc

Distribution

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The Energy People