

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Salem Generating Station - Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 2 7 2 1										PAGE (3) OF 0 4																	
TITLE (4) T. S. Action Statement 3.7.11 Non-Compliance; Hourly Roving FW Patrol Late; Equip. Prob.																																					
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)																	
											Salem Gen. Stn.U-2									0 5 0 0 0 3 1 1																	
1	0	0	1	8	8	8	8	0	1	8	0	0	1	0	2	5	8	8										0 5 0 0 0									
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																																		
1			20.402(b)					20.405(c)					50.73(a)(2)(iv)					73.71(b)																			
POWER LEVEL (10)			20.405(a)(1)(i)					50.36(c)(1)					50.73(a)(2)(v)					73.71(c)																			
1 1 0 0			20.405(a)(1)(ii)					50.36(c)(2)					50.73(a)(2)(vii)					OTHER (Specify in Abstract below and in Text, NRC Form 366A)																			
			20.405(a)(1)(iii)					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)(x)																								
LICENSEE CONTACT FOR THIS LER (12)																																					
NAME															TELEPHONE NUMBER																						
M. J. Pollack - LER Coordinator															AREA CODE																						
															6 0 9 3					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 NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs																											
SUPPLEMENTAL REPORT EXPECTED (14)															EXPECTED SUBMISSION DATE (15)					MONTH	DAY	YEAR															
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO																											

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

On 10/1/88, the hourly roving fire watch patrol for several areas was not completed within an hour (i.e., between 22 and 82 minutes late). The areas involved include the Unit 1 and Unit 2 Fuel Handling Buildings, Unit 1 Relay Room, Unit 1 Battery Room, Unit 1 Chiller Room, Unit 1 Inner Piping Penetration Area, Unit 1 78' El. Electrical Penetration Area, Unit 2 64' El. Switchgear & Battery Room, all Service Water (SW) Control Rooms, and SW Bays 1, 3, and 4. The root cause of this event has been attributed to an equipment problem associated with the Security System computer. A fire watch was posted at the entrances to the subject fire areas until access to the areas was given by security. This allowed the roving fire watch patrol to continue their rove thereby not allowing the other areas to go unpatrolled for greater than an hour. During shift turnover briefings, Nuclear Security Management provided instruction to security personnel addressing the opening of Security doors to permit fire watch personnel access to perform Technical Specification required actions. This briefing has been followed up with a memo to security personnel from the Nuclear Security Manager. Security will provide a vital access key to Fire Protection. The key will be administratively controlled in accordance with requirements established by Security.

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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 Action Statement 3.7.11 Non-Compliance - hourly roving fire watch patrol late due to equipment problem

Event Date: 10/01/88

Report Date: 10/25/88

This report was initiated by Incident Report No. 88-414.

CONDITIONS PRIOR TO OCCURRENCE:

Unit 1: Mode 1 Reactor Power 100% - Unit Load 1160 MWe
Unit 2: Refueling Outage - Mode 6

DESCRIPTION OF OCCURRENCE:

On October 1, 1988, the hourly roving fire watch patrol for several areas was not completed within an hour (i.e., between 22 and 82 minutes late). The areas involved include the Unit 1 and Unit 2 Fuel Handling Buildings, Unit 1 Relay Room, Unit 1 Battery Room, Unit 1 Chiller Room, Unit 1 Inner Piping Penetration Area, Unit 1 78' El. Electrical Penetration Area, Unit 2 64' El. Switchgear & Battery Room, all Service Water (SW) Control Rooms, and SW Bays 1, 3, and 4.

The above areas require a roving fire watch patrol due to various fire protection concerns (e.g., inoperable penetration seals). Missed hourly roving fire watch patrols are contrary to the requirements of Technical Specification Action Statement 3.7.11.

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."

APPARENT CAUSE OF OCCURRENCE:

The root cause of this event has been attributed to an equipment problem. The security card readers, for the subject fire areas, would not function as designed due to the Security System computer experiencing excessive communication line noise. This resulted in Security declaring a "contingency event".

The Security Shift Lieutenant was notified by fire watch personnel of the inability to access the subject fire areas. However, based upon the Emergency Plan, the inability of the fire watch to enter the fire areas was not deemed an "emergency" and pulling a Security officer from a compensatory post to open the fire areas was not justified. Subsequently, the hourly roving fire watch patrol could not enter the subject fire areas.

In accordance with the Artificial Island Security Plan the security contingency event was mitigated within ten (10) minutes of event initiation.

ANALYSIS OF OCCURRENCE:

Hourly roving fire watch patrols are required when a fire barrier becomes inoperable. The patrols are assigned to mitigate propagation of a fire between areas. Automatic fire detection is provided in the areas where the fire watch was late and was operable during the time periods in question. During the time period when the roving fire watch patrol could not access the subject fire areas, fire watch personnel were stationed by the areas until security guards could provide access into the areas. Had a fire or other emergency requiring immediate access to the areas occurred, security would have responded as needed. Also, Operations Department is supplied with keys to provide access to areas in an emergency.

Based upon the operability of the fire detection equipment and the stationing of the fire watch personnel, it is unlikely that a fire would have gone undetected in the subject areas during the time periods in question, however, this event is reportable in accordance with Nuclear Regulatory Commission Code of Federal Regulations 10CFR 50.73(a)(2)(i)(B).

CORRECTIVE ACTION:

A fire watch was posted at the entrances to the subject fire areas until access to the areas was given by security. This allowed the roving fire watch patrol to continue their rove thereby not allowing the other areas to go unpatrolled for greater than an hour.

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CORRECTIVE ACTION: (cont'd)

During shift turnover briefings, Nuclear Security Management told security personnel that, "the opening of Security doors to permit fire watch personnel access to perform Technical Specification required actions is to be a top priority and every effort is to be expended to open the required areas. If a similar situation were to occur, in which a Security Contingency Event caused a delay in having an area opened, Fire Protection personnel would be instructed to request Operations to dispatch an operator to open the door in the presence of the posted Security Officer". This briefing has been followed up with a memo to security personnel from the Nuclear Security Manager.

Security will provide a vital access key to Fire Protection. The key will be administratively controlled in accordance with requirements established by Security. It will be used to support emergency access and in situations as described in this LER only when a Security officer is present.



General Manager -
Salem Operations

MJP:pc

SORC Mtg. 88-094



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

Salem Generating Station

October 25, 1988

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 88-018-00

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

Sincerely yours,

A handwritten signature in dark ink, appearing to read "L. K. Miller", is written over the typed name.

L. K. Miller
General Manager-
Salem Operations

MJP:pc
Distribution

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