



PSEG

Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Salem Generating Station

March 23, 1992

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

Dear Sir:

SALEM GENERATING STATION
LICENSE NO. DPR-75
DOCKET NO. 50-311
UNIT NO. 2

SPECIAL REPORT 92-2

This report addresses Salem Unit 1 and Salem Unit 2 fire barrier penetration seal impairments which have not been restored to functional status within seven (7) days. These penetrations have been impaired in support of planned work. This report has been prepared in accordance with the reporting requirements of Technical Specification Action Statement 3.7.11.a pursuant to Technical Specification 6.9.2.

Sincerely yours,

C. A. Vondra
General Manager -
Salem Operations

MJP:pc

Distribution

Handwritten initials: JED

PLANT IDENTIFICATION:

Salem Generating Station - Units 1 and 2
Public Service Electric & Gas Company
Hancock's Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Technical Specification 3.7.11; Fire Barriers Impaired For Greater Than Seven (7) Days in Support of Planned Work

Event Dates: 3/02/92 and 3/21/92

Report Date: 3/23/92

This report was initiated by Incident Report Nos. 92-128, 92-182, and 92-183.

CONDITIONS PRIOR TO OCCURRENCE:

Unit 1 - 3/14/92: Mode 1 Reactor Power 100% - Unit Load 1160 MWe
Unit 2 - 2/24/92: Mode 6 (Refueling); 6th Refueling Outage in progress
Unit 2 - 3/14/92: Mode 5 (Cold Shutdown)

DESCRIPTION OF OCCURRENCE:

Per Technical Specification Action Statement 3.7.11.a (for both Salem Unit 1 and Salem Unit 2), a Special Report is required when fire barrier penetration seals are impaired for greater than seven (7) days. This report satisfies this requirement.

The subject fire barrier impairments were initiated in support of design changes and other Salem Unit 2 outage activities. Normally, the planning of penetration impairments includes their repair within seven (7) days. However, to fully support the work identified in this report, the penetrations could not be repaired within seven (7) days.

On February 24, 1992, two (2) fire barrier penetrations were impaired in support of Type A Containment Leak Rate Testing. On March 14, 1992, two (2) fire barrier penetrations were impaired to allow the routing of power cables in support of Service Water design modifications. These penetrations are located as follows:

<u>Date of Impairment</u>	<u>No. of Penetrations</u>	<u>Purpose</u>	<u>Location</u>
2/24/92	1	Type A Test Support	#2 Relay Room
	1		78' Elec. Pen. Area
3/14/92	1	SW project support	Unit 2 100' El. Floor Plate in the Boric Acid Transfer Pump Corridor

DESCRIPTION OF OCCURRENCE: (cont'd)

<u>Date of Impairment</u>	<u>No. of Penetrations</u>	<u>Purpose</u>	<u>Location</u>
3/14/92	1	SW project support	Unit 1 100' El. Floor Plate Boric Acid Transfer Pump Corridor

An hourly roving fire watch had been previously established for the above fire areas due to other fire protection concerns. Therefore, the requirements of Technical Specification 3.7.11 Action "a", were met.

Salem Unit 2 Technical Specification 3.7.11 states:

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

Salem Unit 2 Action Statement 3.7.11.a states:

"With one (1) or more of the above required fire barrier penetrations inoperable, within one (1) hour either establish a continuous fire watch on at least one (1) side of the affected penetration, or verify the OPERABILITY of fire detectors on at least one (1) side of the inoperable fire barrier and establish an hourly fire watch patrol. Restore the inoperable fire barrier penetration(s) to OPERABLE 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 to Specification 6.9.2 within the next (30) days outlining the action taken, the cause of the inoperable penetration and plans and schedule for restoring the fire barrier penetration(s) to OPERABLE status."

The Salem Unit 1 Technical Specifications are identical to the above Unit 2 Technical Specifications; however, the term "functional" is used instead of the term "OPERABLE".

APPARENT CAUSE OF OCCURRENCE:

The cause of the fire barrier penetration impairments is to support outage related activities.

ANALYSIS OF OCCURRENCE:

The functional integrity of fire barrier penetrations 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 fire barrier penetration seals are a passive element in the facility fire protection program and are subject to periodic inspections. This report satisfies reporting requirements of Technical Specification Action Statement 3.7.11.a, pursuant to Technical Specification 6.9.2 since the time between discovery and eventual repair of the fire barrier impairments is greater than seven

ANALYSIS OF OCCURRENCE: (cont'd)

(7) days. Appropriate remedial actions were already in place in accordance with the requirements of Technical Specification Action Statement 3.7.11.a to establish an hourly roving fire watch patrol for the impaired fire barriers once the impairments were identified.

The subject fire areas contain detection devices in addition to the roving fire watch patrol. Therefore, a fire in the areas should be detected before it could involve an adjacent area. This occurrence therefore involved no undue risk to the health or safety of the public.

CORRECTIVE ACTION:

The repair of the planned impaired penetrations was not accomplished within seven (7) days due to the time required to complete work. The penetrations will be sealed upon completion of associated work.

The hourly fire watch, as addressed in the Description of Occurrence section, will continue until all fire protection concerns associated with these areas are resolved.



General Manager -
Salem Operations

MJP:pc

SORC Mtg. 92-033