



Public Service Electric and Gas Company 80 Park Plaza Newark, N.J. 07101 Phone 201/430-7000

August 11, 1981

Mr. Boyce H. Grier
Director of USNRC
Office of Inspection and Enforcement
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406



Dear Mr. Grier:

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 81-64/01T

Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 6.9.1.9.b and IE Bulletin 80-24, we are submitting Licensee Event Report for Reportable Occurrence 81-64/01T.

This report was required within fourteen (14) days of the occurrence in accordance with IE Bulletin 80-24. It is being submitted late because of oversight during a turnover of LER Coordinators. Normally, equipment malfunctions are thirty (30) day reports, and this report was mistakenly filed as a thirty day report during the personnel change.

Sincerely yours,

Manager - Salem Generating Station

CC: General Manager - Nuclear Production

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Report Number: 81-64/01T
Report Date: 8-11-81
Occurrence Date: 7-15-81
Facility: Salem Generating Station, Unit 1
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Containment Fan Coil Unit - Service Water Leak.
This report was initiated by Incident Report 81-255.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 96% - Unit Load 1000 MWe

DESCRIPTION OF OCCURRENCE:

On July 15, 1981, during a routine containment inspection, an operator discovered service water leaking from a 3/4" vent connection pipe weld up stream of valve 15SW65 on No. 15 containment fan coil unit (CFCU), at a rate of approximately 1.5 gallons per hour. In accordance with NRC IE Bulletin 80-24, the NRC was notified of the service water leak in containment by telephone at 1300 hours with written confirmation transmitted within the next 24 hours. No. 15 CFCU was removed from service and the service water leak isolated. Action statement 3.6.2.3.a was entered at 1430 hours, July 15, 1981, after declaring the CFCU inoperable due to service water isolation.

This occurrence constituted operation in a degraded mode in accordance with technical specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The service water leak was due to a weld failure on a 3/4" pipe to flange dissimilar metal weld.

ANALYSIS OF OCCURRENCE:

Technical specification 3.6.2.3.a requires:

With one group of containment cooling fans inoperable and both Containment Spray Systems operable, restore the inoperable group of fans to operable status within 7 days or be in hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

CORRECTIVE ACTION:

The crack was in a weld between a 3/4" carbon steel pipe and a stainless steel flange. There was an existing design change request to change the dissimilar metals in that system to all stainless steel. The 3/4" carbon steel pipe was removed, and replaced with stainless steel. No. 15 fan coil unit was tested satisfactorily and returned to service. At 2145 hours July 16, 1981, action statement 3.6.2.3.a was terminated.

The design change request was completed on Nos. 11, 12, 13 and 14 containment fan coil units. No. 15 CFCU is partially completed and will be finished during the next suitable outage period.

FAILURE DATA:

Weld on 3/4" carbon steel pipe.

Prepared By F. Dickey

SORC Meeting No. 81-74

H. J. Infelore
Manager - Salem Generating Station