

Report Number: 79-51/03L-1
Report Date: 8/29/79
Occurrence Date: 7/15/79
Facility: Salem Generating Station
Public Service Electric & Gas Company
Hancock's Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Initial Containment Type C Leak Rate Test Results

CONDITIONS PRIOR TO OCCURRENCE:

Operational Mode 6

DESCRIPTION OF OCCURRENCE:

While conducting scheduled leak rate testing of Type C components, initial test results for eight containment isolation valves showed a leakage above the 2000 sccm range of the volumetric test equipment. Since a positive leak rate could not be obtained, it was not possible to verify that the total containment leakage volume did not exceed the value assumed in the accident analysis at the peak accident pressure.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The cause of this occurrence is normal degradation and buildup in the valves during plant operation.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.6.1.2 requires the measured combined leakage rate for all penetrations and valves subject to type B and C tests to be less than 0.60 La prior to increasing the Reactor Coolant System temperature above 200°F. The measured overall leakage rate limit of 0.60 La during performance of periodic tests is an added conservatism to account for possible degradation of the containment leakage barriers between leakage tests. Valves with excessive leak rates have been repaired with the plant in Mode 5.

CORRECTIVE ACTION:

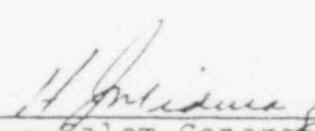
Initial test leakage for 12 and 14GB4 steam generator blowdown valves was found to be through 12 and 14GB3 manual isolation valves at the steam generator. Restroking the valve corrected the leakage problem on 1SS49, 1SS107, 13GB4 and 1PR18. Replacement of discs, springs and bonnet gaskets corrected the leakage on 1NT26 and 1NT34. Retests showed valve leakage within allowable limits.

FAILURE DATA:

Not Applicable

Prepared by A. W. Kapple

SORC Meeting No. 63-79


Manager - Salem Generating Station

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903271

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	N	J	S	G	S	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4	5
LICENSEE CODE					LICENSE NUMBER										LICENSE TYPE					CAT 58							

CON'T

0	1	L	6	0	5	0	0	0	2	7	2	7	0	7	1	5	7	9	8	0	8	3	0	7	9	9
REPORT SOURCE		DOCKET NUMBER										EVENT DATE					REPORT DATE									

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During the refueling outage, scheduled Type C leakage tests for 8 valves showed

0 3 initial leak rate greater than the range of the volumetric test equipment. Technical

0 4 Specification 3.6.1.2 requires the Type B and C leak rates to be less than 0.06 La

0 5 prior to increasing reactor coolant temperature above 200°F. The limit of 0.06 La

0 6 is an added conservatism to account for possible degradation of the containment

0 7 leakage barriers between leakage tests. This is the first occurrence of this type.

0	9	S	D	11	E	12	X	13	V	A	L	V	E	X	14	X	15	X	16	7	9	0	5	1	0	3	L	0	X	9	9	9										
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE					COMP SUBCODE		VALVE SUBCODE		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP SUPPLIER		COMPONENT MANUFACTURER	
LER RU REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP SUPPLIER		COMPONENT MANUFACTURER														

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of this occurrence is normal degradation and buildup in the valves

1 1 during plant operation. Restroking and internals replacement repaired degraded

1 2 valves. Retests verified leakage rates within allowable limits. The eight valves

1 3 are various types of containment isolation valves.

1	5	H	28	0	0	0	29	N/A	B	31	Inservice Inspection	32
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION				
ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE						

1	6	Z	33	Z	34	N/A	35	N/A	36
PERSONNEL EXPOSURES NUMBER		TYPE		DESCRIPTION		PERSONNEL INJURIES NUMBER		DESCRIPTION	

1	7	0	0	0	40	N/A	41	N/A	42	N/A	43	N/A	44	N/A	45	N/A	46	N/A	47	N/A	48	N/A	49	N/A	50	N/A	51	N/A	52	N/A	53	N/A	54	N/A	55	N/A	56	N/A	57	N/A	58	N/A	59	N/A	60	N/A
LOSS OF OR DAMAGE TO FACILITY TYPE		DESCRIPTION		PUBICITY ISSUED		DESCRIPTION		NRC USE ONLY																																						

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