

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | NJSGS1 | 200-00000-00 | 3411111 | 4 | 5

CON'T

01 | REPORT SOURCE | L6050002727 | 7090779 | 8092079 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | Westinghouse has notified us that a review of the environmental qualification of
03 | NSSS equipment has identified that conditions associated with high energy line breaks
04 | inside or outside containment and their impact on non-safety control systems may
05 | constitute an unreviewed safety question. This is the second occurrence of this type
06 | (79-52).
07 |

08 | 60

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
1 C 11	X 12	Z 13	Z Z Z Z Z 14	Z 15	Z 16
EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.	
7 9 17	0 5 8 24	0 1 28	T 30	0 32	
ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED
X 18	X 19	Z 20	Z 21	0 0 0 0 22	X 23
				NPRO-4 FORM SUB.	PRIME COMP. SUPPLIER
				N 24	N 25
					COMPONENT MANUFACTURER
					W 1 2 0 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | Public Service Engineering Department is evaluating the Salem control systems
11 | identified by Westinghouse. The results of the investigation will be reported at a
12 | later date.
13 |
14 | 80

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
G 28	0 0 0 29	N/A 30	D 31	Westinghouse Notification 32
ACTIVITY CONTENT	RELEASED OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE	
Z 33	Z 34	N/A 35	N/A 36	
PERSONNEL EXPOSURES NUMBER	TYPE	DESCRIPTION		
0 0 0 37	Z 38	N/A 39		
PERSONNEL INJURIES NUMBER	DESCRIPTION			
0 0 0 40	N/A 41			
LOSS OF OR DAMAGE TO FACILITY TYPE	DESCRIPTION			
Z 42	N/A 43			
PUBLICITY ISSUED	DESCRIPTION			
Z 44	N/A 45			

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POOR ORIGINAL

NAME OF PREPAPER A. W. Kapple

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7 909250 449 434

Report Number: 79-58/01T
Report Date: 9/20/79
Occurrence Date: 9/07/79
Facility: Salem Generating Station
Public Service Electric & Gas Company
Hancock's Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Qualification of Control Systems for Adverse Environmental Conditions

CONDITIONS PRIOR TO OCCURRENCE:

Operational Mode 5

DESCRIPTION OF OCCURRENCE:

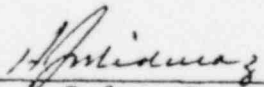
We have been notified by Westinghouse that a review of the environmental qualifications of NSSS equipment has been conducted which showed that several systems were identified which, if subject to an adverse environment, could potentially lead to control system operation which may impact protective functions. These systems are the steam generator power operated relief valve control, pressurizer power operated relief valve control, main feedwater control and automatic rod control. Each of the above systems could potentially malfunction if impacted by adverse environment due to a high energy line break inside or outside containment. In each case, a limited set of breaks, coupled with possible consequential control malfunction in an adverse direction, could result in degraded protective system function. The consequences could yield results which are more limiting than those presented in the plant Safety Analysis Report.

ANALYSIS OF OCCURRENCE:

Public Service Engineering Department is evaluating the above mentioned control systems and a supplemental report will contain the results of the investigation.

Prepared By A. W. Kapple

SORC Meeting No. 71-79


Manager Salem Generating Station

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