

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	-	0	0	3	4	1	1	1	1	4						5
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		
LICENSEE CODE								LICENSE NUMBER																LICENSE TYPE					CAT 58					

0	1	R	L	6	0	5	0	0	0	2	7	2	7	0	3	0	4	8	0	8	0	4	0	1	8	0	9					
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
REPORT SOURCE		DOCKET NUMBER											EVENT DATE					REPORT DATE														

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During normal operation, the auxiliary annunciator typewriter started printing

0 3 | meaningless messages. This typewriter is used to monitor axial flux difference

0 4 | values and containment sump pump stop-start time for RCS leak detection. T/S

0 5 | Action Statements for 3.4.6.1 and 3.2.1 were implemented. Within 22 hours, the

0 6 | typewriter was repaired and returned to service at which time the Action Statements

0 7 | were terminated. (79-32)

0 8 | _____

0	9	A	D	11	E	12	G	13	I	N	S	T	R	U	14	Y	15	Z	16	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
SYSTEM CODE			CAUSE CODE			CAUSE SUBCODE			COMPONENT CODE					COMP. SUBCODE		VALVE SUBCODE				

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
LER RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE	REVISION NO.								
8	0		0	1	5	0	3	L							0

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
A	B	Z	Z	0	0	0	0	0	0	Y	N	L	R	3	3	5													
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 | This occurrence was caused by a failed solid state component circuit board in the

1 1 | typewriter logic control cabinet and a ground condition in the field wiring of 12

1 2 | Residual Heat Removal Sump Pump alarm. The circuit board was replaced and the

1 3 | ground condition corrected.

1 4 | _____

1	5	A	1	0	0	N/A	A	Operator Observation			
7	8	9	10	11	12	13	14	15			
FACILITY STATUS		% POWER				OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	

1	6	Z	Z	N/A	N/A		
7	8	9	10	11	12		
ACTIVITY CONTENT		RELEASED OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	

1	7	0	0	0	Z	N/A	
7	8	9	10	11	12	13	
PERSONNEL EXPOSURES		NUMBER		TYPE		DESCRIPTION	

1	8	0	0	0	N/A
7	8	9	10	11	12
PERSONNEL INJURIES		NUMBER		DESCRIPTION	

1	9	Z	N/A		
7	8	9	10		
LOSS OF OR DAMAGE TO FACILITY		TYPE		DESCRIPTION	

2	0	N	N/A
7	8	9	10
PUBLICITY ISSUED		DESCRIPTION	

8004080533

NRC USE ONLY

NAME OF PREPARER M. J. Murphy

PHONE: 609-935-0998

Report Number: 80-15/03L
Report Date: 4/1/80
Occurrence Date: 3/4/80
Facility: Salem Generating Station
Public Service Electric & Gas Company
Hancock's Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Auxiliary Alarm Typewriter Inoperable making the Axial Flux Differential Monitor and Containment Sump Level Monitoring Systems Inoperable

CONDITIONS PRIOR TO OCCURRENCE:

Operational Mode 1
Reactor Power 100%

DESCRIPTION OF OCCURRENCE:

At 1805 hours, the auxiliary annunciator typewriter logic failed causing the typewriter to print meaningless messages. This typewriter is used to monitor axial flux difference values and stop-start times of the containment sump pumps for reactor coolant leak detection. The Action Statement for Technical Specification 3.4.6.1 and surveillance requirement 4.2.1.1.b for T/S 3.2.1 were implemented. At 1600 hours on March 5, 1980, the typewriter logic circuit was repaired and tested satisfactory. The typewriter was returned to service and the surveillance and Action Statements were terminated.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The cause of this occurrence was a failed solid state component circuit board in the typewriter logic control cabinet and a ground in the field wires of 12 Residual Heat Removal sump pump alarm.

ANALYSIS OF OCCURRENCE:

Surveillance Requirement 4.2.1.1.b requires that monitoring and logging the indicated axial flux difference for each operable excore channel at least once per hour for the first 24 hours and at least once per 30 minutes thereafter, when the axial flux difference monitor alarm is inoperable. T/S 3.4.6.1 requires that with only two of the three required leakage detection systems operable, operation may continue for up to 30 days provided grab samples of the containment atmosphere are obtained and analyzed at least once per 24 hours when the required gaseous and/or particulate radioactivity monitoring system is inoperable; otherwise, be in at least hot standby within the next six hours and in cold shutdown within the following 30 hours. The logic circuit and the ground condition were repaired, and the typewriter was returned to service within 22 hours. Normal operations continued with the required surveillance being performed.

CORRECTIVE ACTION:

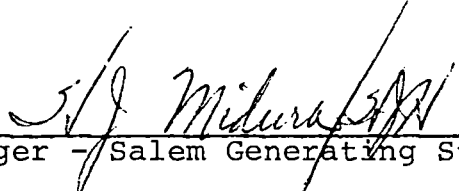
The failed component circuit board was replaced with a spare board and the typewriter was satisfactorily tested prior to returning to service. The ground condition in the field wires of 12 Residual Heat Removal Sump Pump alarm was corrected.

FAILURE DATA:

Manufacturer - Rochester Instrument Systems, Inc.

Prepared By M. J. Murphy

SORC Meeting No. 21-80


Manager - Salem Generating Station