

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Brunswick Steam Electric Plant Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 2 5 1					PAGE (3) 1 OF 0 1				
TITLE (4) Automatic Starting of Control Building Emergency Air Filtration System Trains 2A and 2B																			
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)									
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES				DOCKET NUMBER(S)						
0	7	2	4	8	5	8	5	0	4	0	0	0	8	2	2	8	5	Brunswick Unit 2	0 5 0 0 0 3 2 4
OPERATING MODE (9) 5			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																
POWER LEVEL (10) 0 0 0			20.402(b)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)				
			20.406(a)(1)(ii)				50.38(c)(1)				<input type="checkbox"/> 50.73(a)(2)(v)				73.71(c)				
			20.406(a)(1)(iii)				50.38(c)(2)				<input type="checkbox"/> 50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 355A)				
			20.406(a)(1)(iii)				50.73(a)(2)(i)				<input type="checkbox"/> 50.73(a)(2)(viii)(A)								
			20.406(a)(1)(iv)				50.73(a)(2)(ii)				<input type="checkbox"/> 50.73(a)(2)(viii)(B)								
			20.406(a)(1)(v)				50.73(a)(2)(iii)				<input type="checkbox"/> 50.73(a)(2)(x)								
LICENSEE CONTACT FOR THIS LER (12)																			
NAME M. J. Pastva, Jr., Regulatory Technician										TELEPHONE NUMBER AREA CODE 9 1 9 4 5 7 - 2 3 1 5									
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																			
CAUSE	SYSTEM	COMPONENT	MANUFAC. TUNER	REPORTABLE TO NPROS		CAUSE	SYSTEM	COMPONENT	MANUFAC. TUNER	REPORTABLE TO NPROS									
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR			
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input checked="" type="checkbox"/> NO							

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On 7-24-85, at 2302, train 2A of the Units 1 and 2 common Control Building Emergency Air Filtration (CBEAF) System automatically started. On 7-30-85, at 0808, CBEAF System train 2B automatically started. On 8-13-85, at 0747, CBEAF System train 2A automatically started. These initiations resulted from fire alarms on the 70-foot elevation of the Control Building. In each case, Unit 1 was in a refuel/maintenance outage and Unit 2 was operating at power. After each initiation, the fire alarm was reset and the affected CBEAF train was reset following verification that an actual fire condition did not exist. Control Operators of both units became aware of these events through appropriate Control Room alarm annunciations.

The fire alarms were caused by spurious actuations of fire detector C1-1. After the second event, the detector was cleaned and returned to service. Following the third event, the detector was replaced. A plant modification is presently under development which will remove the input of selected fire detectors from the fire detection initiation logic of the CBEAF System and thus reduce the number of challenges to the system.

Initiation of a CBEAF system train places the train into its design mode of operation.

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Carolina Power & Light Company

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Southport, NC 28461-0429  
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BRUNSWICK STEAM ELECTRIC PLANT UNIT 1  
DOCKET NO. 50-325  
LICENSE NO. DPR-71  
LICENSEE EVENT REPORT 1-85-040

Gentlemen:

In accordance with Title 10 to the Code of Federal Regulations, the enclosed Licensee Event Report is submitted. This report fulfills the requirement for a written report within thirty (30) days of a reportable occurrence and is in accordance with the format set forth in NUREG-1022, September 1983.

Very truly yours,

C. R. Dietz, General Manager  
Brunswick Steam Electric Plant

MJP/jo

Enclosure

cc: Dr. J. N. Grace

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