

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Brunswick Steam Electric Plant Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 2 5					PAGE (3) 1 OF 01	
TITLE (4) Automatic Isolation and Initiations of the Units 1 and 2 Common Control Building Heating Ventilating Air Conditioning System																
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)			
									Brunswick Unit 2				0 5 0 0 0 3 2 4			
0	5	0	1	8	5	8	5	0	2	1	0	0				0 5 0 0 0
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)														
5		20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)		20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)		
0 0 0		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)						
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)						
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME M. J. Pastva, Jr., Regulatory Compliance 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	MANUFACTURER	REPORTABLE TO NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC						
X	V	I	D	E	T	W	0	2	5	No						
X	V	I	D	E	T	W	0	2	5	No						
SUPPLEMENTAL REPORT EXPECTED (14)																
YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO		EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR

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

On May 1, 2, 10, 14, and 16, 1985, automatic initiations or isolations of the Units 1 and 2 common Control Building Heating, Ventilation, and Air Conditioning (CB HVAC) System occurred for cumulative totals of five initiations and one isolation. During each event, Unit 1 was in a refuel/maintenance outage and Unit 2 was at power operation. CB HVAC automatic initiations and isolations place the system into its most conservative condition for each respective type signal.

Four of the CB HVAC initiations which started the units' selected Control Building emergency air filtration (CB EAF) common train 2A or 2B resulted from spurious Control Building fire alarms. The remaining CB HVAC initiation resulted from actuation of a Control Building fire detector due to dust from ongoing plant modification work in the vicinity of the detector. After each CB HVAC initiation, the affected CB EAF was returned to standby following verification that actual fire conditions did not exist.

The CB HVAC isolation was caused by spurious actuation of the system air intake plenum chlorine detector, 1X-AT-2977, resulting from an increased sensitivity due to a lack of electrolyte drip rate in the detector. A sticking level indicator float in the detector electrolyte reservoir had caused a false indication of sufficient reservoir level and the reservoir had consequently gone dry. The same problem was also found to affect the system redundant detector 2X-AT-2977. Reservoir levels in the detectors were restored and the detectors, Wallace & Tiernan Part 50-125, were returned to service. Corrective actions to assure sufficient electrolyte level are currently being evaluated and appropriate corrective action will be taken as needed.

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Carolina Power & Light Company

Brunswick Steam Electric Plant
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May 31, 1985

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NRC Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT UNIT 1
DOCKET NO. 50-325
LICENSE NO. DPR-71
LICENSEE EVENT REPORT 1-85-021

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/cjj/LETAG

Enclosure

cc: Dr. J. N. Grace

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