

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 OF 0 1										PAGE (3) 1 OF 0 1								
TITLE (4) Automatic and Manually Initiated Isolations of the Units 1 and 2 Common Control Building Heat 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)														
0	8	0	2	8	5	8	5	0	4	1	0	0	0	8	3	0	8	5	Brunswick Unit 2					0 5 0 0 0 3 2 5 4				
OPERATING MODE (9) 5			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)																									
POWER LEVEL (10) 0 0 0			20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)													
			20.405(a)(1)(i)				50.36(c)(1)				<input type="checkbox"/> 50.73(a)(2)(v)				73.71(c)													
			20.405(a)(1)(ii)				50.36(c)(2)				<input type="checkbox"/> 50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 365A)													
			20.405(a)(1)(iii)				50.72(a)(2)(i)				<input type="checkbox"/> 50.73(a)(2)(viii)(A)																	
			20.405(a)(1)(iv)				50.73(a)(2)(ii)				<input type="checkbox"/> 50.73(a)(2)(viii)(B)																	
			20.405(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 9 1 1 9 4 5 7 - 1 2 3 1 5																
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																												
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS																		
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 8/2/85, at 0200, an automatic isolation of the Units 1 and 2 common Control Building Heating, Ventilating, and Air Conditioning (CB HVAC) System occurred, per design, due to actuation of the system air intake plenum chlorine detector, 2X-AT-2977. The redundant detector, 1X-AT-2977, did not actuate. On 8/15/85, at 2212, the CB HVAC System was manually isolated, in accordance with plant standing instructions, due to receipt of a high chlorine alarm at the Chlorination System building. In each case, an inspection of the associated area showed actual chlorine conditions did not exist. Unit 1 was in a refuel/maintenance outage and Unit 2 was at power.

The cause of the 2X detector actuation and the chlorination building alarm could not be determined. In each case, the CB HVAC System was returned to service.

Design problems affecting the CB HVAC System and the chlorine detectors were previously addressed in LER 1-84-33. Additional plant surveillance requirements have been imposed to better ensure operability of chlorine detectors and the CB HVAC System.

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Carolina Power & Light Company

Brunswick Steam Electric Plant

P. O. Box 10429

Southport, NC 28461-0429

August 30, 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 1-85-041

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/jlh

Enclosure

cc: Dr. J. N. Grace

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