

## 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 0 1										
TITLE (4) Automatic Isolation of the Units 1 and 2 Common Control Building Heating Ventilating Air Conditioning System Due to Chlorine Detection Alarm																									
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)												
1	1	2	2	8	5	8	5	0	6	4	0	0	1	2	1	9	8	5	Brunswick Unit 2				0 5 0 0 0 3 2 4		
OPERATING MODE (9) 1			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																						
POWER LEVEL (10) 0 1 9 1			20.402(b)				20.405(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)										
			20.405(a)(1)(i)				50.38(e)(1)				<input type="checkbox"/> 50.73(a)(2)(v)				73.71(e)										
			20.405(a)(1)(ii)				50.33(a)(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)				50.73(a)(2)(ii)				<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						
										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

## SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> 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 11-22-85, at 0920, an automatic isolation of the Units 1 and 2 common Control Building Heating Ventilating Air Conditioning (CB HVAC) System occurred, per design, due to actuation of the system air intake plenum chlorine detector, 2X-AT-2977. The isolation was revealed through appropriate Control Room alarm annunciations and indications. An appropriate plant area inspection showed chlorine alarm conditions did not exist. Within six minutes, the detector was reset and the CB HVAC System returned to operation. Units 1 and 2 were operating at respective power levels of 91% and 58%.

The cause of the event is attributed to a spurious actuation of the 2X detector. The detector was reset and returned to service.

Design problems affecting the CB HVAC System and the chlorine detectors were previously addressed in LER 1-84-033. As a result, a plant modification was developed to help prevent future similar problems affecting the CB HVAC System. The subject modification was installed and declared operable on 12-03-85. Plant Engineering will monitor and evaluate operation of the chlorine detectors and initiate further changes as required to ensure their reliable operation.

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PDR ADOCK 05000325  
S PDR



Carolina Power & Light Company

Brunswick Steam Electric Plant  
P. O. Box 10429  
Southport, NC 28461-0429

December 19, 1985

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Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT UNIT 1  
DOCKET NO. 50-325  
LICENSE NO. DPR-71  
LICENSEE EVENT REPORT 1-85-064

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/bc

Enclosure

cc: Dr. J. N. Grace

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