

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)			
0 1	0 6	8 6	8 6	0 0 3	0 0	0 1	3 1	8 6	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 9 9			20.402(b)				20.405(a)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)	
			20.405(a)(1)(i)				50.38(a)(1)				50.73(a)(2)(v)				73.71(c)	
			20.405(a)(1)(ii)				50.38(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 388A)	
			20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(vii)(A)					
			20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(vii)(B)					
			20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)					
LICENSEE CONTACT FOR THIS LER (12)																
NAME M. J. Pastva, Jr., Regulatory Technician										TELEPHONE NUMBER 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 NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS						
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR		
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)																
<p>On 1/6/86, at 1922, 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 13 minutes, the CB HVAC System was returned to operation. Unit 1 was operating at 9 while Unit 2 was in a refuel/maintenance outage.</p> <p>The cause of the event is attributed to a spurious actuation of the 2X detector. The detector was reset and returned to service. As a result of discussion with the detector vendor (Wallace and Tiernan), it was determined the 2X detector actuation may have resulted from a defective circuitry board. A plant Work Request/Job Order has been initiated to replace the subject circuitry board.</p> <p>Design problems affecting the CB HVAC System and the chlorine detectors were previously addressed in LER 1-84-033. A plant modification, developed to help prevent future similar problems affecting the CB HVAC System, was installed and declared operable on 12/03/85. Plant Engineering is continuing to monitor and evaluate operation of the chlorine detectors and will initiate any further changes, as required, to ensure their reliable operation.</p>																

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Carolina Power & Light Company

Brunswick Steam Electric Plant
P. O. Box 10429
Southport, NC 28461-0429
January 31, 1986

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Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT UNIT 1
DOCKET NO. 50-325
LICENSE NO. DPR-71
LICENSEE EVENT REPORT 1-86-003

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/mcg

Enclosure

cc: Dr. J. N. Grace

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