

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) Inoperability of Units 1 and 2 Common Control Building Heating Ventilating Air Conditioning System Air Intake Plenum Chlorine Detectors 1X(2X)-AT-2977																							
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 Brunswick Unit 2				DOCKET NUMBER(S) 0 5 0 0 0 3 2 4										
0	7	3	1	8	5	8	5	0	4	3	0	0	8	3	0	8	5	0	5	0	0	0	1
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(e)				50.73(a)(2)(iv)				73.71(b)									
		20.405(a)(1)(i)				50.36(e)(1)				50.73(a)(2)(v)				73.71(e)									
		20.405(a)(1)(ii)				50.36(c)(2)				X 50.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 386A)									
		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)(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 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 NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS													
X	V I	I D E T W Q 2 5		No																			
X	V I	I D E T W Q 2 5		No																			
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR							
YES (If yes, complete EXPECTED SUBMISSION DATE) X NO																							

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

Performance of Chlorine Detection System operability test, Periodic Test (PT) 46.3P, revealed both system detectors 1X-AT-2977 and 2X-AT-2977, of the Units 1 and 2 common Control Building Heating, Ventilating, and Air Conditioning (CB HVAC) System air intake plenum, were inoperable due to lack of electrolyte solution drip flow. Both detectors were declared inoperable in accordance with technical specifications. At the time, the chlorine supply was not within the plant exclusion zone. Unit 1 was in a refuel/maintenance outage and Unit 2 was operating at 94%.

The lack of detector drip flow resulted from fungi growth in the solution which led to a clogged detector wick filter. This problem was previously addressed in LERs 1-84-33 and 1-85-006. As discussed in the referenced LERs, additional plant surveillance requirements have been imposed to better ensure operability of the chlorine detectors and the CB HVAC System.

The detectors wick filters were replaced, their electrolyte volumes were restored, and both detectors, Wallace & Teirnan, Part No. 50-125, were returned to service.

A plant modification (PM) to incorporate addition of sodium benzoate to the electrolyte solution to reduce fungi growth and potential filter clogging is expected to be accomplished by 12/31/85. Also, a PM to install new detectors with electrolyte sight glasses is presently under evaluation. This evaluation is expected to be completed prior to the completion of the next Unit 2 refueling outage.

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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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SERIAL: BSEP/85-1514

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 1-85-043

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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