

LICENSEE EVENT REPORT

CONTROL BLOCK:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	N	C	B	E	P	1	2	0	0	-	0	0	0	0	-	0	0	3	4	1	1	1	1	4	5
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7 8 9 14 15 25 26 30 57 CAT 58

CON'T

0	1	L	6	0	5	0	-	0	3	2	5	7	0	5	0	3	8	3	8	0	6	0	2	8	3	9
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7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During the ongoing unit refueling outage, it was discovered respectively on May 3

0 3 and May 14 of 1983 that APRM D was inoperable due to a failed power supply. In each

0 4 case, APRM B was already inoperable since April 7, 1983, due to too few operable

0 5 LPRM inputs (the minimum required number is 11). Neither of these events affected

0 6 the health and safety of the public. This is being reported due to having less than

0 7 the minimum number of APRMs.

Technical Specifications 3.3.1, 6.9.1.9b

0	9	I	B	11	E	12	F	13	I	N	S	T	R	U	14	P	15	Z	16
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7 8 9 10 11 12 13 18 19 20

17	8	3	0	1	8	0	3	L	0
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21 22 23 24 26 27 28 29 30 31 32
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
C 18 Z 19 Z 20 Z 21 0 0 0 0 Y 23 Y 24 N 25 G 0 8 0 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 On May 3 APRM D power supply PS24 (Model No. 194X606G3) failed due to a defective

1 1 diode, CR1; thyrister, SCR1; and capacitor, C1. A new power supply for APRM D was

1 2 installed and the monitor was returned to service. The cause of the May 14 power

1 3 supply failure has not been determined. The power supply from APRM B was installed

1 4 in APRM D and it was returned to service.

1	5	H	28	0	0	0	29	NA	A	31	Operational Event
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7 8 9 10 12 13 44 45 46

1	6	Z	33	Z	34	NA	NA
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7 8 9 10 11 44 45

1	7	0	0	0	37	Z	38	NA
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7 8 9 11 12 13

1	8	0	0	0	40	NA
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7 8 9 11 12

1	9	Z	42	NA
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7 8 9 10

2	0	N	44	NA
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7 8 9 10
FACILITY STATUS % POWER OTHER STATUS (30) METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)
PERSONNEL INJURIES NUMBER DESCRIPTION (41)
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43)
PUBICITY ISSUED DESCRIPTION (45)
NRC USE ONLY

NAME OF PREPARER M. J. Pastva, Jr.

PHONE: 919-457-9521



Carolina Power & Light Company

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

June 2, 1983

FILE: B09-13510C
SERIAL: BSEP/83-1704

Mr. James P. O'Reilly, Administrator
U. S. Nuclear Regulatory Commission
Region II, Suite 3100
101 Marietta Street N.W.
Atlanta, GA 30303

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1
DOCKET NO. 50-325
LICENSE NO. DPR-71
LICENSEE EVENT REPORT 1-83-18

83 JUN 7 19:26
USNRC REGION II
ATLANTA, GEORGIA

Dear Mr. O'Reilly:

In accordance with Section 6.9.1.9b of the Technical Specifications for Brunswick Steam Electric Plant, Unit No. 1, 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-0161, July 1977.

Very truly yours,

C. R. Dietz, General Manager
Brunswick Steam Electric Plant

RMP/jo/LETJO3

Enclosure

cc: Mr. R. C. DeYoung
NRC Document Control Desk

OFFICIAL COPY

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LER ATTACHMENT - RO NO. 1-83-18

Facility: BSEP Unit No. 1

Event Date: May 3, 1983

Following a determination of the cause of the APRM D power supply failure on May 14, 1983, the subject power supply will be repaired or replaced as required. The ongoing repairs to the LPRM inputs of APRM B will be done to permit the return of APRM B to service. A supplement to this report will then follow which describes the cause of the failure, corrective actions taken, and future corrective actions concerning the failure.