



Carolina Power & Light Company  
P.O. Box 10429  
Southport, NC 28461-0429

OCT 02 1998

SERIAL: BSEP 98-0176

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62  
CORRECTIONS TO MONTHLY OPERATING REPORTS

Gentlemen:

Each month, in accordance with Technical Specification requirements, Carolina Power & Light Company submits reports of operating statistics and shutdown experience for the Brunswick Steam Electric Plant, Unit Nos. 1 and 2. The purpose of this letter is to revise the gross thermal energy generation data reported in the Monthly Operating Reports submitted for the period from March 1994 until May 1997 for BSEP, Unit 1 and for the period from September 1993 until May 1997 for BSEP, Unit 2. An explanation of the revisions is provided in Enclosure 1. A tabulation of the revised data is provided in Enclosures 2 and 3 for Units 1 and 2, respectively.

No regulatory commitments are contained in this letter. Please refer any questions regarding this submittal to Mr. Warren J. Dorman, Supervisor - Licensing, at (910) 457-2068.

Sincerely,

Keith R. Jury  
Manager - Regulatory Affairs  
Brunswick Steam Electric Plant

WRM/wrm

Enclosures:

1. Explanation For Corrected Monthly Operating Reports
2. Corrected Monthly Operating Report Data For BSEP, Unit 1
3. Corrected Monthly Operating Report Data For BSEP, Unit 2

9810130181 981002  
PDR ADOCK 05000324  
R PDR

EE24/1

cc (with enclosures):

U. S. Nuclear Regulatory Commission, Region II  
ATTN: Mr. Luis A. Reyes, Regional Administrator  
Atlanta Federal Center  
61 Forsyth Street, SW, Suite 23T85  
Atlanta, GA 30303

U. S. Nuclear Regulatory Commission  
ATTN: Mr. Charles A. Patterson, NRC Senior Resident Inspector  
8470 River Road  
Southport, NC 28461-8869

U. S. Nuclear Regulatory Commission  
ATTN: Mr. David C. Trimble, Jr. (Mail Stop OWFN 14H22)  
11555 Rockville Pike  
Rockville, MD 20852-2738

Ms. Jo A. Sanford  
Chair - North Carolina Utilities Commission  
P.O. Box 29510  
Raleigh, NC 27626-0510

## ENCLOSURE 1

### BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2 DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62 CORRECTIONS TO MONTHLY OPERATING REPORTS

#### EXPLANATION FOR CORRECTED MONTHLY OPERATING REPORTS

Each month, in accordance with Technical Specification requirements, Carolina Power & Light (CP&L) Company submits reports of operating statistics and shutdown experience for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2. This letter revises the gross thermal energy generation data reported in the Monthly Operating Reports for the reporting period from March 1994 until May 1997 for BSEP, Unit 1 and the Monthly Operating Reports for the period from September 1993 until May 1997 for BSEP, Unit 2.

#### UNIT 1

In March 1994, the BSEP, Unit 1 feedwater flow transmitters were recalibrated based on results from feedwater flow tracer testing. The recalibration resulted in Unit 1 operating with a reactor power of approximately 101.21 percent. Unit 1 operated in this configuration from March 1994 until April 1996, at which time the feedwater flow transmitters were conservatively recalibrated. As a result, Unit 1 operated with a reactor power of approximately 99.64 percent from April 1996 until April 1998. This was discussed in Licensee Event Report (LER) 1-97-005 dated May 2, 1997, and LER 1-97-005, Supplement 1 dated August 8, 1997. Based on a visual inspection of the feedwater flow venturis performed during the Spring 1998 refueling outage, the feedwater flow transmitters were recalibrated to their original discharge coefficient values and reactor power was returned to 100 percent.

As a result of the events described above, the monthly gross thermal energy generation values reported in the Monthly Operating Reports covering the period from March 1994 until April 1998 were incorrect. NRC Generic Letter 97-02, "Revised Contents of the Monthly Operating Report," dated May 15, 1997, no longer requires submittal of the monthly gross thermal energy generation data; therefore CP&L is providing, in Enclosure 2, revised monthly gross thermal energy generation values only for the period from March 1994 until May 1997.

#### UNIT 2

In September 1993, the BSEP, Unit 2 feedwater flow transmitters were recalibrated based on results from feedwater flow tracer testing. The recalibration resulted in BSEP, Unit 2 power reduction of 1.094 percent. Subsequently, in Spring 1997, an analysis was conducted that determined the original feedwater discharge coefficients were correct. As a result, in



August 1997, the feedwater flow transmitters were recalibrated and restored to their original discharge coefficient values. Also, during this period, an error was introduced, on several occasions, into the reactor power calculation due to a temperature correction factor that was omitted in the reactor power calculation in the plant process computer. This was discussed in LER 2-96-003 dated September 27, 1996.

As a result of the events described above, the monthly gross thermal energy generation values reported in the Monthly Operating Reports during the period from September 1993 until August 1997 were incorrect. NRC Generic Letter 97-02, "Revised Contents of the Monthly Operating Report," issued May 15, 1997, no longer requires submittal of the monthly gross thermal energy generation data; therefore, CP&L is providing, in Enclosure 3, revised monthly gross thermal energy generation values only for the period from September 1993 until May 1997.

ENCLOSURE 2

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62  
CORRECTIONS TO MONTHLY OPERATING REPORTS

CORRECTED MONTHLY OPERATING REPORT DATA  
FOR BSEP, UNIT 1

UNIT 1		
Reporting Period	Previously Reported Monthly Gross Thermal Energy Generation (MWHth) (Line 16)	Corrected Monthly Gross Thermal Energy Generation (MWHth) (Line 16)
March 1994	1,789,027.63	1,810,674.86
April 1994	1,723,337.48	1,744,189.86
May 1994	1,809,501.72	1,831,396.69
June 1994	1,748,436.08	1,769,592.16
July 1994	1,754,522.18	1,775,751.90
August 1994	1,809,747.27	1,831,645.21
September 1994	1,752,253.78	1,773,456.05
October 1994	1,770,453.62	1,791,876.11
November 1994	1,718,075.72	1,738,864.44
December 1994	1,763,525.64	1,784,864.30
January 1995	1,797,925.85	1,819,680.75
February 1995	1,626,526.94	1,646,207.92
March 1995	1,796,581.18	1,818,319.81
April 1995	18,194.00	18,414.15
May 1995	549,339.44	555,986.45
June 1995	1,733,995.47	1,754,976.82
July 1995	1,562,321.78	1,581,225.87
August 1995	1,798,615.73	1,820,378.98
September 1995	1,706,745.40	1,727,397.02
October 1995	1,681,892.35	1,702,243.25
November 1995	1,739,023.37	1,760,065.55
December 1995	1,811,682.43	1,833,603.79
January 1996	1,571,372.01	1,590,385.61
February 1996	1,694,695.97	1,715,201.79
March 1996	1,369,583.51	1,386,155.47
April 1996	1,745,963.05	1,739,677.58
May 1996	1,782,549.82	1,776,132.64
June 1996	1,704,389.30	1,698,253.50
July 1996	1,320,994.08	1,316,238.50
August 1996	1,776,919.74	1,770,522.83
September 1996	1,312,838.35	1,308,112.13
October 1996	207,909.68	207,161.21
November 1996	1,235,151.79	1,230,705.24
December 1996	1,811,297.29	1,804,776.62
January 1997	1,768,666.68	1,762,299.48
February 1997	1,577,891.04	1,572,210.63



<b>UNIT 1</b>		
<b>Reporting Period</b>	<b>Previously Reported Monthly Gross Thermal Energy Generation (MWHth) (Line 16)</b>	<b>Corrected Monthly Gross Thermal Energy Generation (MWHth) (Line 16)</b>
March 1997	1,782,326.40	1,775,910.02
April 1997	1,650,806.32	1,644,863.42
May 1997	1,888,988.87	1,882,185.51

ENCLOSURE 3

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62  
CORRECTIONS TO MONTHLY OPERATING REPORTS

CORRECTED MONTHLY OPERATING REPORT DATA  
FOR BSEP, UNIT 2



UNIT 2		
Reporting Period	Previously Reported Monthly Gross Thermal Energy Generation (MWHth) (Line 16)	Corrected Monthly Gross Thermal Energy Generation (MWHth) (Line 16)
September 1993	1,733,054.20	1,721,541.27
October 1993	1,642,931.94	1,624,958.26
November 1993	1,735,433.68	1,716,448.04
December 1993	1,788,957.48	1,769,386.29
January 1994	1,772,716.18	1,753,322.66
February 1994	1,584,865.50	1,567,527.07
March 1994	1,437,658.99	1,421,931.00
April 1994	0.00	0.00
May 1994	0.60	0.00
June 1994	7,869.25	7,814.64
July 1994	1,674,473.27	1,662,852.43
August 1994	1,796,668.88	1,784,200.00
September 1994	1,733,498.52	1,721,468.04
October 1994	1,806,408.98	1,793,872.50
November 1994	1,736,614.66	1,724,562.55
December 1994	1,802,772.52	1,790,261.28
January 1995	1,795,891.31	1,783,427.82
February 1995	1,628,602.42	1,617,299.92
March 1995	1,802,790.06	1,790,278.70
April 1995	1,743,086.62	1,730,989.60
May 1995	1,811,378.42	1,798,807.45
June 1995	1,701,664.88	1,689,855.33
July 1995	1,759,158.37	1,746,949.81
August 1995	1,632,472.73	1,621,143.37
September 1995	1,655,589.40	1,637,477.25
October 1995	1,597,090.32	1,579,618.15
November 1995	1,501,115.82	1,484,693.61
December 1995	1,305,828.52	1,291,542.76
January 1996	1,110,026.74	1,097,883.05
February 1996	64,339.63	63,635.75
March 1996	576,425.81	570,119.71
April 1996	1,672,637.50	1,669,786.12
May 1996	1,810,396.22	1,794,211.28
June 1996	1,746,477.53	1,730,864.02

UNIT 2		
Reporting Period	Previously Reported Monthly Gross Thermal Energy Generation (MWHth) (Line 16)	Corrected Monthly Gross Thermal Energy Generation (MWHth) (Line 16)
July 1996	1,245,540.44	1,244,227.31
August 1996	1,746,074.13	1,730,464.23
September 1996	1,178,885.64	1,165,988.63
October 1996	1,803,094.07	1,783,368.22
November 1996	1,751,902.99	1,732,737.17
December 1996	1,750,125.69	1,730,979.31
January 1997	1,797,844.00	1,778,175.59
February 1997	1,636,115.04	1,618,215.94
March 1997	1,787,496.94	1,763,985.48
April 1997	1,742,262.28	1,723,201.93
May 1997	1,752,166.08	1,732,997.38