



Carolina Power & Light Company

March 15, 1994

SERIAL: BSEP 94-0105

United States Nuclear Regulatory Commission  
ATTENTION: Document Control Desk  
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-325 & 50-324/LICENSE NOS. DPR-71 & DPR-62  
NPDES PERMIT NONCOMPLIANCES

Gentlemen:

By letter dated April 26, 1983, Carolina Power & Light Company (CP&L) agreed to keep the NRC informed of changes and/or violations to the Brunswick Steam Electric Plant's (BSEP) National Pollutant Discharge Elimination System (NPDES) permit requiring notification to the permit agency. Enclosed are copies of reports made to the North Carolina Division of Environmental Management during 1993 concerning noncompliances with NPDES Permit No. NC0007064 for Brunswick Units 1 and 2.

NPDES Permit No. NC0007064, issued by the State of North Carolina Department of Environment, Health, and Natural Resources, Division of Environmental Management, authorizes CP&L to continue to discharge wastewater at the BSEP facility in accordance with effluent limitations, monitoring requirements, and other conditions set forth in the permit.

Based on our discussion with the NRC/NRR Senior Project Manager, in the future a copy of changes and/or violations to the BSEP NPDES permit will be transmitted to the NRC/NRR Senior Project Manager - Brunswick when issued.

Please refer any questions regarding this submittal to Mr. G. Honma at (910) 457-2741.

Very truly yours,

R. P. Lopriore  
Manager

Regulatory Affairs Section

SHC/shc (NPDES.PER)

Enclosure

cc: Mr. S. D. Ebnetter, NRC Region II - Administrator  
Mr. P. D. Milano, NRC/NRR Senior Project Manager - Brunswick  
Mr. R. L. Prevatte, NRC Senior Resident Inspector - Brunswick

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ENCLOSURE 1

BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2  
NRC DOCKET NOS. 50-325 & 50-324  
OPERATING LICENSE NOS. DPR-71 & DPR-62  
NPDES PERMIT NONCOMPLIANCES

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**ATTACHMENT TO  
BRUNSWICK STEAM ELECTRIC PLANT (Permit No. NC0007064)  
NPDES REPORT FOR MARCH 1993**

Flow on Outfalls 001 & 002

Based upon George Oliver's letter dated May 18, 1992, A. Preston Howard, Jr. in a letter dated August 14, 1992, permitted each new waterbox air removal system for Units 1 and 2 at the Brunswick Plant to discharge additional cooling waters. Our May 18'th letter stated, the cumulative time for start-up testing on each of the units will not be greater than 4 days (96 hours). Note, these tests cannot be accomplished in a continuous discharge; intermittent testing is required. As previously reported in the February DMR, the new waterbox air removal system for Unit 2 was tested for six (6) hours in accordance with the August 14th variance. In March, the following discharges occurred: (i) on March 3, 1993, Unit 1's air removal system was tested for 10 hours and 38 minutes, and (ii) on March 8, 1993, Unit 2's air removal system was tested for 2 hours and 39 minutes. Regrettably, 48 hour advance notice was not provided with regard to the March 3rd or 8th discharges. Measures are being instituted to ensure that the appropriate advance notice will be given in the future.

## Carolina Power & Light Company

Technical Services Department  
411 Fayetteville Street Mall - P. O. Box 1551  
Raleigh, North Carolina 27602-1551

FILE NO.: 541-4-B-5

April 8, 1993

Mr. Rick Shiver  
Regional Supervisor  
North Carolina Division of  
Environmental Management  
127 Cardinal Drive Extension  
Wilmington, NC 28405-3845

Re: Brunswick Steam Electric Plant (Brunswick)  
National Pollutant Discharge Elimination System (NPDES)  
Permit No. NC0007064

Dear Mr. Shiver:

In accordance with Part II, C.4(c) of the above-referenced NPDES Permit, on April 5, 1993, Mr. Mike McDowell of my staff reported to Mr. Dave Atkinson of the Wilmington Regional Office, a bypass to the Brunswick discharge canal (Grade II facility). This bypass was unavoidable to prevent severe property damage because substantial physical damage to property could have been expected to reasonably occur in the absence of the bypass. Furthermore, there was no feasible alternative to the bypass.

At 4:45 p.m. on April 5, 1993, a decision was made to open the bypass valve at the Storm Drain Collection Basin. Mr. McDowell notified Mr. Atkinson of the bypass at 5:35 p.m. The bypass valve was closed at 6:31 p.m. The events which led to the bypass were heavy rains, producing approximately 2,000,000 gallons of stormwater which would have been directed to the Low Volume Waste Pond. This rain fell in a five (5) hour period. This volume of water was greater than the pumps from the Storm Drain Collection Basin could handle.

The discharge water was sampled for pH, total suspended solids, and oil and grease. Results of this will be reported on the DMR. It is not anticipated that the effluent limitations for low volume waste will be exceeded.

Pursuant to Mr. Atkinson's request, this five day follow-up written submission is being tendered. At this time, it is not possible to detail the specific steps which will be taken to reduce, eliminate or prevent reoccurrence of this event. Efforts are currently underway to

Mr. Rick Shiver  
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determine these steps. Due to the anticipated complexity of resolving this matter, we will advise you of these plans by June 8, 1993.

If you have any further questions, feel free to contact J. M. McDowell at (919) 546-6920.

Yours very truly,

George J. Oliver, Ph.D.  
Manager, Environmental Services

GJO/RKM/sjb (93-21.RKM)

cc: Mr. D. Atkins, Wilmington Regional Office

bcc: Mr. G. B. Baird  
Ms. L. I. Cooper  
Mr. C. E. Robertson  
Mr. G. J. Warner  
Mr. S. L. Watson

**ATTACHMENT TO  
BRUNSWICK STEAM ELECTRIC PLANT (Permit No. NC0007064)  
NPDES REPORT FOR OCTOBER 1993**

Outfall Serial Number 005

In accordance with Part II, 7 of the above referenced permit, the daily average for oil & grease on outfall 005 was exceeded on the sample obtained on October 12, 1993. The analytical result for the sample was received on November 3, 1993. A subsequent sample obtained on November 2, 1993 had an oil & grease value of 2 mg/l well below the daily average. Due to the wide variation between the two samples with no operational changes having taken place, the validity of the October 12, 1993 sample is questionable. Since recurrence is unlikely no preventative measures are necessary.

**ATTACHMENT TO  
BRUNSWICK STFAM ELECTRIC PLANT (Permit No. NC0007064)  
NPDES REPORT FOR DECEMBER 1993**

Flow on Outfall 002

In accordance with Part II (E) (7) of the above-referenced permit the following report is submitted. On December 1, 1993 the flow on Unit 2 was not reduced to the limit of 922 cfs until 0345. Upon discovery by plant personnel, the flow was reduced to the permitted limit. No harm to the environment or human health occurred as a result of this event. No further action is required since recurrence is highly unlikely.