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CP&L

Carolina Power & Light Company

Shearon Harris Energy & Environmental Center
Route 1, Box 327
New Hill, North Carolina 27562

Serial: ESS-85-506

APR 11 1985

50-324, 325

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4/19
Mr. Charles Wakild
Regional Supervisor
N. C Division of Environmental Management
7225 Wrightsville Avenue
Wilmington, NC 28403

RE: BRUNSWICK STEAM ELECTRIC PLANT
NPDES PERMIT NO. NC0007064

Dear Mr. Wakild:

In accordance with the notification requirements of NPDES Permit No. NC0007064, this is to inform you that Carolina Power & Light Company's (CP&L) Brunswick Steam Electric Plant exceeded the biochemical oxygen demand (BOD₅) daily average limitation of 30 mg/l for the sewage treatment facility. This sample, taken on March 27, had a BOD₅ of 33 mg/l.

The cause of the elevated BOD₅ has not been determined, since the total suspended solids (TSS) reading was low, flows were normal, and the sewage treatment plant seemed to be operating properly. Other data results are as follows:

TSS - 8 mg/l
flow - 46,500 gpm
pH - 7.7

We will continue in our efforts to determine what may have caused the exceedance. If you have any questions with respect to this notification, please contact R. K. Miller at (919) 836-7185.

Yours very truly,
Original Signed By
R. B. STARKEY, JR.
R. B. Starkey, Jr.
Manager
Environmental Services

RBSjr/pdc (2787BWS)

cc: Mr. H. R. Denton
Mr. J. P. O'Reilly

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