

COPY

CP&L

Carolina Power & Light Company

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

APR 23 1985

Serial: ESS-85-507

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 operated its circulating water system pumps on Unit No. 2 with less than two fine mesh screens from 14:15 on March 27, 1985 to 17:07 on March 28, 1985 and from 00:30 on April 12, 1985 to 04:30 on April 13, 1985.

On March 27, the cooling fan for the 2B circulating water pump lube oil cooler failed. This failure was a result of a blown transformer that supplies power to the fan. When the fan failed, the lubricating oil temperature increased until the oil temperature from the circulating water pump motor bearings reached 180°F. At that time, the 2C circulating water pump was started and the 2B pump was shut down to prevent damage to the motor bearings. The transformer was replaced on March 28, 1985 and the system resumed proper operation.

On April 12, the 2B pump was taken out of service while a torn fine mesh screen was replaced. Normal operation was resumed on April 13.

If there are 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/tda (2790BWS)

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

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