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Docket No: 50-325
50-324

CP&L

Carolina Power & Light Company

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

FEB 28 1985

Serial: ESS-85-201

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

RE: BRUNSWICK STEAM ELECTRIC PLANT
NPDES PERMIT NC. 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 January 29, 1985 at 15:24 to January 31, 1985 at 02:35.

On January 29, vibrations were detected in the 480 Volt breaker that conveys power to the motor control center, which operates the screen turning mechanisms. The breaker rated at 800 amperes was removed for analysis and the pumps for the coarse mesh screens were put into operation on a spare breaker rated at 600 amperes. In that the 600 ampere breaker did not provide the degree of assurance we believed necessary for the continuously reliable operation of the fine mesh screens, we switched operation to coarse mesh screened pumps. In our judgment, the lower amperage breaker was subject to a greater risk of overload with subsequent loss of availability.

Following its removal from service, the breaker was inspected and tested with no defects being noted. Communication with the vendor indicates that vibration with this type of breaker is not uncommon. The breaker and fine mesh screens were then returned to service at 02:35 on January 31.

If you have any questions with respect to this notification, please contact R. K. Miller at (919) 836-7185.

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

RBSjr/pdc (2552BWS)

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

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