

November 14, 1984

Docket Nos. 50-325/324

Mr. E. E. Utley
Executive Vice President
Carolina Power & Light Company
Post Office Box 1551
Raleigh, North Carolina 27602

Dear Mr. Utley:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION:
1) ADEQUACY OF STATION ELECTRIC SYSTEM VOLTAGE AND
2) TECHNICAL SPECIFICATIONS OF DEGRADED VOLTAGE RELAYS

Re: Brunswick Steam Electric Plant, Units 1 and 2

We have started our review of your submittals regarding subject 1 dated August 30, 1984 as amended on September 27, 1984 and your submittal regarding subject 2 dated July 29, 1982. We find that we need the additional information identified in the enclosure to this letter before we can complete our review. Please provide your response to the enclosed request for additional information within 60 days of the receipt of this letter.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by/

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See next page

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Mr. E. E. Utley
Carolina Power & Light Company
Brunswick Steam Electric Plant, Units 1 and 2

cc:

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REQUEST FOR ADDITIONAL INFORMATION
ADEQUACY OF STATION ELECTRIC SYSTEM VOLTAGE
TECHNICAL SPECIFICATION FOR DEGRADED GRID VOLTAGE RELAYS

BRUNSWICK STEAM ELECTRIC PLANT, UNITS 1 AND 2

The following information is required to complete our Safety Evaluation for the above listed tasks.

1. In reference to adequacy of station electric distribution system voltages (B-48), our preliminary review of the CP&L revised voltage drop study dated August 30, 1984, as amended September 27, 1984, indicates that the following information is needed:
 - a. To validate the new analysis provide (1) a description of the method used in performing the test, (2) identification of the buses where the voltages were measured, and (3) an evaluation/conclusion of the analysis and actual test results (ref. BTP PSB-1).
 - b. Because of the fact that the present Technical Specifications allow interties through 4160 V buses between Units 1 and 2, the study should include an analysis of the plant operating scenario in which only one startup transformer (one offsite power source) supplies both units' plant loads per plant design. This is to ensure that either of the startup transformers has enough capacity to supply all connected loads and to avoid degraded system conditions for a loss of offsite power such as that which occurred at Arkansas Nuclear One (ANO).
2. In reference to the CP&L Technical Specification revision request dated July 29, 1982 regarding a change in 4160 V emergency bus undervoltage setpoints and surveillance requirements, we have reviewed the request and find that no supporting documents have been provided as to how the proposed trip values and the channel check intervals were selected. This information should be provided for staff evaluation.