

CP&L

Carolina Power Light Company

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P.O. Box 101, New Hill, N.C. 27562
March 26, 1985

Dr. J. Nelson Grace
United States Nuclear Regulatory Commission
Region II
101 Marietta Street, Northwest (Suite 2900)
Atlanta, Georgia 30323

NRC-338

**CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
1986 - 900,000 KW - UNIT 1
6.9 KV SWITCHGEAR CIRCUIT BREAKERS -
SECONDARY DISCONNECT FINGERS, ITEM 209**

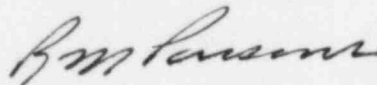
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Dear Dr. Grace:

Attached is an interim report on the subject item which was deemed reportable per the provisions of 10CFR50.55(e) and 10CFR, Part 21, on March 1, 1985. CP&L is pursuing this matter, and it is currently projected that corrective action and submission of the final report will be accomplished by August 30, 1985.

Thank you for your consideration in this matter.

Yours very truly,



R. M. Parsons
Project General Manager
Completion Assurance
Shearon Harris Nuclear Power Plant

RMP/dd

Attachment

cc: Messrs. G. Maxwell/R. Prevatte (NRC-SHNPP)
Mr. R. C. DeYoung (NRC)

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CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

UNIT 1

INTERIM REPORT

SECONDARY DISCONNECT FINGERS
6.9 KV CIRCUIT BREAKERS

NCR 85-391

ITEM 209

MARCH 22, 1985

REPORTABLE UNDER 10CFR 50.55(e) AND 10CFR PART 21

SUBJECT: Shearon Harris Nuclear Power Plant unit No.1
10CFR50.55(e) and 10CFR Part 21 reportable
deficiency. Non-uniform sized secondary
disconnect fingers on 6.9 KV Class 1E switchgear
breakers Purchase Orders NY-435112 and NY-435113
from Siemens-Allis, Inc.

ITEM: 6.9 KV circuit breaker secondary disconnects.

SUPPLIED BY: Siemens-Allis, Sanford, North Carolina.

NATURE OF DEFICIENCY: Due to variations in manufacturing process and
material, the secondary disconnect fingers are of
varying length. This varying length affects the
quality of the connections at the secondary
disconnect. These connections are an integral part
of the breaker control circuitry.

DATE PROBLEM IDENTIFIED: Shearon Harris personnel identified this problem via
NCR 85-391 on February 13, 1985.

DATE PROBLEM REPORTED: On March 1, 1985, CP&L (Mr. N. J. Chiangi) notified
the NRC (Mr. A. Hardin) that the item was reportable
under the provisions of 10CFR50.55(e) and 10CFR Part
21.

SCOPE OF PROBLEM: The deficiency involves the twenty five Unit 1 Class
1E 6.9 KV switchgear breakers.

SAFETY IMPLICATIONS: When contacts are made with insufficient wipe and
pressure to ensure adequate and reliable trip and
reclose control circuits, the ability of the breaker
to operate during emergency events is adversely
affected.

REASON DEFICIENCY IS REPORT-
ABLE: As redundancy is compromised due to a generic
deficiency, the availability of electric power from
either offsite or onsite sources needed to operate
ESF Systems is compromised. This reduces the degree
of protection to plant systems and to public health.

CORRECTIVE

ACTION:

Siemens-Allis is currently revising the manufacturing process for these fingers and negotiating with subvendors to supply these pieces. New fingers will be supplied to SHNPP from Siemens-Allis, when available. Shearon Harris will examine circuit breaker secondary disconnects and replace fingers as needed.

FINAL

REPORT:

A final report will be issued once the corrective action described above is completed. It is currently projected that the submittal date will be August 30, 1985.