

CP&L

50-400

Carolina Power & Light Company

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P. O. Box 101, New Hill, NC 27562
September 26, 1984

Mr. James P. O'Reilly
United States Nuclear Regulatory Commission
Region II
101 Marietta Street, Northwest (Suite 2900)
Atlanta, Georgia 30323

NRC-275


CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
1986 - 900,000 KW - UNIT 1
PACIFIC SCIENTIFIC SNUBBERS
MODELS PSA-1 AND PSA-3, ITEM 152

Dear Mr. O'Reilly:

Attached is our third interim report on the subject item which was deemed reportable per the provisions of 10CFR50.55(e) and 10CFR, Part 21, on November 8, 1983. CP&L is pursuing this matter, and it is currently projected that corrective action and submission of the final report will be accomplished by January 23, 1985.

Thank you for your consideration in this matter.

Yours very truly,



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

RMP/jed

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 NO. 1

THIRD INTERIM REPORT

PACIFIC SCIENTIFIC SNUBBERS
MODELS PSA-1 AND PSA-3
ITEM 152

SEPTEMBER 26, 1984

REPORTABLE UNDER 10CFR50.55(e)
REPORTABLE UNDER 10CFR21

SUBJECT: Shearon Harris Nuclear Power Plant/Unit No. 1,
10CFR50.55(e) and 10CFR, Part 21, Capstan spring tang
failure for mechanical shock arrestors.

ITEM: Capstan spring component in mechanical shock
arrestors.

SUPPLIED BY: Pacific Scientific Company, Anaheim, California.

NATURE OF
DEFICIENCY: In September, 1983, Pacific Scientific Company,
Anaheim, California advised Southwest Fabrication
and Welding, Houston, Texas, purchaser for CP&L, of
failure of four (4) PSA-1-1801102-05 shock arrestors.
Failure occurred during testing of Pacific Scientific
Company's arrestors at Union Electric Callaway
Staton by Daniel International personnel. The failed
arrestors were returned to Pacific Scientific Company
where additional testing was performed on the failed
components by "Mettek", Santa Ana, California.
Results of the test have been issued in Mettek Report
Number PSC130911 dated September 14, 1984.

DATE PROBLEM
OCCURRED: Purchaser notified by letter September 21, 1983.
CP&L was notified by Southwest Fabrication and
Welding by letter dated October 5, 1983.

DATE PROBLEM
REPORTED: November 8, 1983 - CP&L (K. V. Hate') notified the
NRC (A. Hardin) that this item was reportable under
10CFR50.55(e) and 10CFR, Part 21.

SCOPE OF
PROBLEM: The deficiency involves (102) Unit 1, Type PSA-1 and
PSA-3 mechanical shock arrestors.

SAFETY
IMPLICATIONS: The mechanical shock arrestors are required to ensure
that pipe movement, acceleration, and displacement
are controlled within the design limits during a
seismic event.

REASONS
DEFICIENCY
IS REPORTABLE: Failure of the capstan spring tang would result in
failure of the shock arrestor to function properly
during a seismic event. This would result in the
potential loss of operation of seismically designed
piping during a seismic event. Action is being
effected by Pacific Scientific Company with the
spring manufacturer.

CORRECTIVE
ACTION:

Mechanical shock arrestors identified by Pacific Scientific Company as being part of the identical lot and in critical systems have been returned to Pacific Scientific for replacement of capstan springs.

FINAL
REPORT:

A final report will be issued once the corrective action described above is completed. It is projected that the submittal date will be January 23, 1985.