CP&L
Carolina Power & Light Company

P. O. Box 101, New Hill, N. C. 27562
December 7, 1983

Mr. James P. O'Reilly
United States Nuclear Regulatory Commission
Region II
101 Marietta Street, Northwest (Suite 2900)
Atlanta, Georgia 30303

NRC-150

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
1986-90 - 900,000 KW - UNITS 1 & 2
PACIFIC SCIENTIFIC SNUBBERS
MODELS PSA-1 AND PSA-3, ITEM 152

Dear Mr. O'Reilly:

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 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 March 31, 1984.

Thank you for your consideration in this matter.

Yours very truly,

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

RMP/sh

Attachment

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

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

UNIT NO. 1

INTERIM REPORT

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

DECEMBER 5, 1983

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 No. PSC130911 dated September 14, 1983.

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 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 sesismic 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 of failed items will be returned to the vendor for capstan spring inspection and replacement as required.

Preventive measures and additional corrective action must be obtained from Pacific Scientific after consulting the spring manufacturer.

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 March 31, 1984.