

CP&L

Carolina Power & Light Company

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P. O. Box 101, New Hill, NC 27562
October 4, 1984

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

NRC-279

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
1986 - 900,000 KW - UNIT 1
6,000 LB. REDUCERS - INCORRECT MATERIAL, ITEM 184

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 September 5, 1984. CP&L is pursuing this matter, and it is currently projected that corrective action and submission of the final report will be accomplished by December 15, 1984.

Thank you for your consideration in this matter.

Yours very truly,



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

RMP/jam

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

6000 LB. REDUCERS - INCORRECT MATERIAL
ITEM 184

OCTOBER 3, 1984

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

SUBJECT: Shearon Harris Nuclear Power Plant, Unit #1.
10CFR50.55(e) and 10CFR21 reportable item. ANSI
rating stamping and thickness deficiencies in four
ASME Class 1 flow restrictors.

ITEM: Nonconformance Report 84-1588. Four ASME Class 1,
SA182 F 304 S.S. material, 2" x 3/4" socket weld
type fittings purchased as ANSI 6000 lb. rated
construction and marked so on the outside of these
fittings were found to be made to ANSI 3000 lb. rated
construction.

SUPPLIED BY: Southwest Fabricating & Welding Company, Houston,
Texas through their material supplier, WFI
International, Houston, Texas.

NATURE OF
DEFICIENCY: In July 1984, construction engineering personnel at
Shearon Harris site reported a lack of proper socket
wall thickness on the 2" side of the subject flow
restrictors when compared to the ANSI 6000 lb.
fitting's dimension chart and matched the thickness
of a 3000 lb. 2" socket fitting's wall. The product
had a "6M" marking vibroetched on the outside surface
of each fitting, indicating a manufacturer's 6000 lb.
designation of the product. These fittings passed
all quality control checks.

DATE PROBLEM
OCCURRED: Refer to the above section.

DATE PROBLEM
REPORTED: On August 13, 1984, Mr. N. J. Chiangi notified the
NRC (Mr. A. Hardin) of a potentially reportable item
per the provisions of 10CFR50.55(e) and 10CFR,
Part 21. The NRC was informed that four 6000 lb.
reducers supplied by Southwest Fabricating Company
were determined by the field to be 3000 lb.
reducers.

On September 10, 1984, Mr. K. V. Hate' notified the
NRC (Mr. H. Krug) that the August 13, 1984
potentially reportable item concerning the above
items had been evaluated and found to be reportable
per the provisions of 10CFR50.55(e) and 10CFR
Part 21.

SCOPE OF
PROBLEM:

The deficiency involves supply of a defective and incorrectly rated basic component necessary to assure the integrity of the reactor coolant pressure boundary.

SAFETY
IMPLICATION:

These fittings are mounted in an RTD header, where three RTD scoop lines coming off the reactor coolant piping hot leg merge together as a flow restrictor element, and its failure would constitute a small break LOCA.

REASON
DEFICIENCY

IS REPORTABLE: A small break LOCA would impede the safe shutdown of the plant.

CORRECTIVE
ACTION:

The fittings were shipped back to Southwest Fabricating Company. New replacement fittings were made, inspected, and received at the SHNPP site in September 1984.

PREVENTIVE
MEASURES:

Preventive measures will be by Southwest Fabricating Company and Ebasco, Inc.'s vendor quality assurance section. Last contact was made with them on September 19 and September 14, 1984, respectively. An extension of time is requested to allow the vendor and Ebasco to investigate and complete preventive measures. Estimated date for receipt of preventive measure from the above is November 30, 1984.

FINAL
REPORT:

The final report will be issued after the background investigation and preventive measures have been received from Southwest Fabricating Company and Ebasco. Projected final report date is December 15, 1984.