



Carolina Power & Light Company

P.O. Box 101, New Hill, NC 27562-108  
November 30, 1984

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

NRC-297

CAROLINA POWER & LIGHT COMPANY  
SHEARON HARRIS NUCLEAR POWER PLANT  
1986 - 900,000 KW - UNIT 1  
BOLTS - MAXIMUM HARDNESS VALUES EXCEEDED, ITEM 175

Dear Mr. O'Reilly:

Attached is our final report on the subject item which was deemed reportable per the provisions of 10CFR50.55(e) and 10CFR, Part 21, on May 17, 1984. With this report, Carolina Power and Light Company considers this matter closed.

If you have any questions regarding this matter, please do not hesitate to contact me.

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 NO. 1

FINAL REPORT

BOLTS  
MAXIMUM HARDNESS VALUES EXCEEDED

ITEM 175

NOVEMBER 30, 1984

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

SUBJECT: Shearon Harris Nuclear Power Plant, Unit No. 1  
10CFR50.55(e) and 10CFR, Part 21 reportable deficiency.  
Bolts received exceeded maximum hardness values.

ITEM: Bolts intended for use on seismic instrumentation supports.

SUPPLIED BY: Hub, Inc., Tucker, Georgia. CP&L purchase order H-49018.  
(Manufactured by Cardinal Ind., Las Vegas, Nevada).

NATURE OF DEFICIENCY: Seismic Class I bolts were certified to ASTM A-193 Grade B8 by the vendor, Hub, Inc. Subject bolts received by CP&L did not meet hardness requirements of ASTM A-193, Grade B8. A sample of bolts tested exhibited hardness values above the maximum allowed.

DATE PROBLEM REPORTED: On May 17, 1984, CP&L (K. V. Hate') notified the NRC (Mr. A. Hardin) of a reportable item per the provisions of 10CFR50.55(e) and 10CFR, Part 21.

SCOPE OF PROBLEM: These bolts were received, tested, and then placed on hold. Items were not issued to the field for installation. The intended use was for support of seismic instrumentation.

SAFETY IMPLICATION: If the subject bolts were used, seismic instrumentation supports could have the potential for failure.

CORRECTIVE ACTION: Additional testing was performed by CP&L and Hub, Inc. to confirm the validity of the previous sample tests performed. Of eleven (11) bolts tested, nine (9) exhibited hardness values which were within the allowable range and two (2) exhibited hardness values which were above the maximum allowed. The subject bolts have been returned to the manufacturer. Action has been initiated to remove Cardinal Ind. from CP&L's approved vendors list. In the meantime, the Harris Purchasing unit has ceased to purchase material manufactured by Cardinal Ind. pending their removal from the approved vendors list or until such time as CP&L is provided documented evidence that the vendor's quality problems have been resolved.