



Carolina Power & Light Company

50-400

P. O. Box 101, New Hill, N. C. 27562  
April 8, 1983

Mr. James P. O'Reilly  
United States Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Northwest (Suite 3100)  
Atlanta, Georgia 30303

NRC-53

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CAROLINA POWER & LIGHT COMPANY  
SHEARON HARRIS NUCLEAR POWER PLANT  
1986-90 - 900,000 KW - UNITS 1 & 2  
MAIN CONTROL BOARD WELD DEFICIENCIES,  
PURCHASE ORDER NY-435002, ITEM 103

Dear Mr. O'Reilly:

Attached is an interim report on the subject item which was deemed reportable per the provisions of 10CFR50.55(e), on March 10, 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 October 15, 1983.

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: Mr. G. Maxwell (NRC-SHNPP)  
Mr. V. Stello (NRC)

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CAROLINA POWER & LIGHT COMPANY  
SHEARON HARRIS NUCLEAR POWER PLANT

UNIT 1

Interim Report  
Main Control Board Weld Deficiencies

Item 103

April 6, 1983

Reportable Under 10CFR50.55(e)

SUBJECT: Shearon Harris Nuclear Power Plant, Unit 1, 10CFR50.55(e)  
Reportable Deficiency in the Main Control Board (MCB)  
supplied under Purchase Order NY-435002, Westinghouse  
Shop Order 395

ITEM: Structural welding

SUPPLIED BY: Westinghouse Electric Corporation, Orville, Ohio

NATURE OF DEFICIENCY: The subject Unit 1 equipment has been received at the site.  
  
During a CP&L site QA inspection of the equipment, weld deficiencies were noted when compared to the vendor's welding criteria.

DATE PROBLEM OCCURRED: The problem was noted by CP&L site QA inspection on September 30, 1982.

DATE PROBLEM REPORTED: October 14, 1982 CP&L (N. J. Chiangi) notified the NRC (Mr. C. Hehl) that this item was potentially reportable under 10CFR50.55(e).  
  
March 10, 1983 - CP&L (N. J. Chiangi) notified the NRC (Mr. C. Hehl) that this item was reportable under 10CFR50.55(e).

SCOPE OF PROBLEM: The deficiency involves all sections (A, B, C, D) of the MCB. The board is fabricated in sections only due to physical limitations of handling and shipping. When installed, it becomes a single unit.

SAFETY IMPLICATIONS: Seismic qualification of the MCB is required to assure structural integrity during a seismic event. Safety-related components are located in the board; thus, structural failure of the board would jeopardize operation of the safety-related equipment.

REASONS DEFICIENCY IS REPORTABLE: During initial site inspection, several welds were identified as missing or possibly needing repair. Further inspection, using vendor weld criteria determined that six (6) welds should be added or repaired.

CORRECTIVE ACTION: The identified deficient welding has been repaired by the vendor. The MCB will be reinspected to vendor weld criteria. Any deficiency found will be corrected.  
  
The vendor is performing a seismic qualification analysis using design criteria to which the MCB was built.

FINAL REPORT: A report will be issued when the vendor seismic analysis is complete. The projected date for this is October 15, 1983. If the analysis is satisfactory, the report will be final.