

USNRC REGION II
ATLANTA, GEORGIA
CP&L

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Carolina Power & Light Company

P. O. Box 101, New Hill, N. C. 27562
August 30, 1983

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

NRC-110

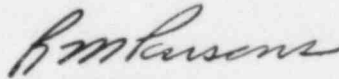
CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT
1986-90 - 900,000 KW - UNITS 1 & 2
WELD DEFICIENCIES IN UNIT 1
CHILLED WATER VALVE, PURCHASE ORDER NY-435176, ITEM 127

Dear Mr. O'Reilly:

Attached is our second interim report on the subject item which was deemed reportable per the provisions of 10CFR50.55(e) and 10CFR, Part 21, on May 5, 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 31, 1983.

Thank you for your consideration in this matter.

Yours very truly,



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

50-400

RMP/sh

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

WELD DEFICIENCIES IN UNIT 1 CHILLED WATER VALVE
ITEM 127

INTERIM REPORT

AUGUST 31, 1983

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

SUBJECT Shearon Harris Nuclear Power Plant Unit No. 1
10CFR50.55(e) and 10CFR Part 21 reportable weld deficiencies
in three-way chilled water valve purchased under Purchase
Order NY-435176, Item 168.

ITEM Deficiency and Disposition Report 1422; Valve 3CX-W25SB-1
was found to have vendor shop weld defects.

SUPPLIED BY ITT Hammel Dahl, Warwick, Rhode Island

NATURE OF
DEFICIENCY In March 1983, the Quality Assurance Department, Shearon Harris
Nuclear Power Plant, reported lack of penetration on the
I.D. of vendor shop welds in the above-referenced valve.

DATE PROBLEM
OCCURRED Refer to the section above.

DATE PROBLEM
REPORTED On April 7, 1983, Mr. K. V. Hate' 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 an HVAC chilled water valve supplied by
ITT Hammel Dahl was found to have shop weld deficiencies.
Failure of the valve could result in the loss of control
room cooling.

On May 5, 1983, Mr. N. J. Chiangi notified the NRC
(Mr. A. Hardin) that the April 7, 1983 potentially
reportable item concerning shop weld deficiencies in an
HVAC chilled water valve supplied by ITT Hammel Dahl was
evaluated and found to be reportable per the provisions
of 10CFR50.55(e) and 10CFR Part 21.

SCOPE OF
PROBLEM The deficiency involves loss of safety-related chilled
water.

SAFETY
IMPLICATION Loss of safety-related chilled water could potentially
jeopardize the allowable environmental operating temperature
of certain safety components and the environment envelop
of the main control room.

REASON
DEFICIENCY
IS REPORTABLE

Failure of the valve could result in the reduction of cooling to Safety Train "B" Air Handling Units. No means of automatic isolation in vicinity of deficiency; therefore, some "B" train is sacrificed.

Incorporating additional single-failure criterion (loss of Safety Train A), the environmental qualification of essential components could potentially be jeopardized due to exceeding the allowable operating temperature.

CORRECTIVE
ACTION

Valve was shipped back to the vendor for repair.

PREVENTATIVE
MEASURES

Preventative measures will be by ITT Hammel Dahl. Last vendor contact was on August 26, 1983. Repair work is incomplete as of this date due to a two week plant shutdown and subcontracting of repair work to ITT Grinell. An extension of time is requested to allow the vendor to complete repair and preventative measures. Estimated date for receipt of preventative measures from vendor is September 23, 1983.

FINAL REPORT

The final report will be issued after the valve has been repaired and preventative measures have been received from Hammel Dahl. Projected final report date is October 31, 1983.