



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 22, 2010

Christopher L. Burton, Vice President
Shearon Harris Nuclear Power Plant
Carolina Power & Light Company
Post Office Box 165, Mail Zone 1
New Hill, North Carolina 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 – REQUEST FOR
ADDITIONAL INFORMATION REGARDING A RELIEF REQUEST TO DEFER
AN AMERICAN SOCIETY OF MECHANICAL ENGINEERS CODE-REQUIRED
REPAIR OF A SERVICE WATER SYSTEM WELD UNTIL THE NEXT
REFUELING OUTAGE (TAC NO. ME3765)

Dear Mr. Burton:

By letter dated April 15, 2010 (Agencywide Documents Access and Management System Accession No. ML101170058), Carolina Power & Light Company (the licensee), now doing business as Progress Energy Carolinas, Inc., submitted a relief request for the Shearon Harris Nuclear Power Plant, Unit 1 (HNP).

The proposed Relief Request 13R-06 seeks approval to defer the code-required repair of a flaw in an American Society of Mechanical Engineers Code Class 3 piping socket weld in the HNP service water system. The relief request pertains to the third 10-year inspection interval at HNP.

The NRC staff has determined that it needs additional information in order to complete its review of this relief request. Please respond to the enclosed requests by October 1, 2010, in order to facilitate a timely completion of the staff review.

Please contact me at 301-415-3178 if you have any questions on this issue, would like to participate in a conference call, or if you require additional time to submit your responses.

Sincerely,

A handwritten signature in black ink, appearing to read "Marlayna Vaaler".

Marlayna Vaaler, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure: Request for Additional Information

cc w/enclosure: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION
SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1
RELIEF REQUEST I3R-06 TO DEFER AN ASME CODE REPAIR FOR
CODE CLASS 3 PIPING IN THE SERVICE WATER SYSTEM
DOCKET NO. 50-400

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the information submitted by the licensee and, based on this review, determined the following information is required to complete the evaluation of the subject relief request:

1. Please state the current operating temperature and pressure of service water in the subject pipe for which relief is requested.
2. On page 7, Section 6.4, it is stated that "the maximum pipe stress ratio from Calculation 8050-79 at this location is 0.466." Please explain how 0.466 was obtained. In addition, state the technical purpose behind it and how this value affects the American Society of Mechanical Engineers Code required flaw evaluation.
3. In addition to the information requested above, please provide a detailed description of the input parameters, assumptions, and methodology used in Calculation 8050-79, such that the NRC staff can perform a comprehensive evaluation of this calculation.

Enclosure

September 22, 2010

Christopher L. Burton, Vice President
Shearon Harris Nuclear Power Plant
Carolina Power & Light Company
Post Office Box 165, Mail Zone 1
New Hill, North Carolina 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 – REQUEST FOR ADDITIONAL INFORMATION REGARDING A RELIEF REQUEST TO DEFER AN AMERICAN SOCIETY OF MECHANICAL ENGINEERS CODE-REQUIRED REPAIR OF A SERVICE WATER SYSTEM WELD UNTIL THE NEXT REFUELING OUTAGE (TAC NO. ME3765)

Dear Mr. Burton:

By letter dated April 15, 2010 (Agencywide Documents Access and Management System Accession No. ML101170058), Carolina Power & Light Company (the licensee), now doing business as Progress Energy Carolinas, Inc., submitted a relief request for the Shearon Harris Nuclear Power Plant, Unit 1 (HNP).

The proposed Relief Request 13R-06 seeks approval to defer the code-required repair of a flaw in an American Society of Mechanical Engineers Code Class 3 piping socket weld in the HNP service water system. The relief request pertains to the third 10-year inspection interval at HNP.

The NRC staff has determined that it needs additional information in order to complete its review of this relief request. Please respond to the enclosed requests by October 1, 2010, in order to facilitate a timely completion of the staff review.

Please contact me at 301-415-3178 if you have any questions on this issue, would like to participate in a conference call, or if you require additional time to submit your responses.

Sincerely,

/RA/

Marlayna Vaaler, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure: Request for Additional Information

cc w/enclosure: Distribution via Listserv

DISTRIBUTION:

PUBLIC	RidsNrrPMShearonHarris	RidsNrrDciCpnb	AREzai, NRR
LPL2-2 R/F	RidsNrrLACSola	RidsRgn2MailCenter	
RidsNrrDorLp2-2	RidsOgcRp	RidsAcrcAcnw_MailCTR	

ADAMS Accession Number: ML102310569

OFFICE	LPL2-2/PM	LPL2-2/LA	CPNB/BC	LPL2-2/BC
NAME	MVaaler	BClayton for CSola	TLupold*	DBroaddus
DATE	9/9/2010	9/7/2010	8/13/2010	9/22/2010

OFFICIAL RECORD COPY