



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

May 19, 2009

Chris 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 – ACCEPTANCE REVIEW REGARDING RELIEF REQUESTS ON FINAL DOCUMENTATION FOR THE SECOND 10-YEAR INSERVICE INSPECTION PROGRAM FOR LIMITED COVERAGE OF WELDS IN MULTIPLE EXAM CATEGORIES (TAC NOS. ME0608, ME0609, ME0610, ME0611, ME0612, ME0613, ME0614, AND ME0615)

Dear Mr. Burton:

By letter dated February 5, 2009 (Agencywide Documents Access and Management System Accession No. ML090540055), Carolina Power & Light Company, now doing business as Progress Energy Carolinas, Inc. (PEC), submitted eight relief requests for the Shearon Harris Nuclear Power Plant, Unit 1 (HNP). The proposed relief requests pertain to the second 10-year inservice inspection interval at HNP, which was in effect from February 2, 1998, through and including May 1, 2008.

Relief Requests 2R1-018, 2R1-019, 2R1-020, 2R1-021, 2R1-022, 2R2-009, 2R2-010, and 2R2-011 request relief in accordance with Title 10 of the *Code of Regulations* (10 CFR) paragraph 50.55a(g)(5)(iii) from applicable requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," related to inspection of welds with limited coverage in multiple ASME Code examination categories.

Pursuant to paragraphs 50.55a(a)(3)(i) and 50.55a(a)(3)(ii) of 10 CFR, the applicant shall demonstrate that the proposed alternatives would provide an acceptable level of quality and safety, or that compliance with the specified requirements of Section 50.55a would result in hardship or unusual difficulty without a compensating increase in the level of quality or safety.

The purpose of this letter is to provide the final results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this request. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed change. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

C. Burton

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The NRC staff has reviewed your application and concluded that it does provide technical information in sufficient detail to enable the staff to proceed with its detailed technical review and make an independent assessment regarding the acceptability of the proposed relief requests in terms of regulatory requirements and the protection of public health and safety and the environment. This letter is an official follow up to similar information that was discussed with Kara Stacy of your staff during a telephone conversation on March 31, 2009. If additional information is needed for the staff to complete its technical review of any of the subject requests, you will be advised by separate correspondence. Should you have any questions regarding this review, please contact me at (301) 415-3178.

Sincerely,

A handwritten signature in black ink, appearing to read "Marlayna Vaaler", written in a cursive style.

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

Docket No. 50-400

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C. Burton

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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

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