July 28, 2008

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 THIRD TEN-YEAR INTERVAL INSERVICE INSPECTION PROGRAM RELIEF REQUEST NUMBER I3R-02 (TAC NO. MD8742)

Dear Mr. Burton:

By letter dated April 29, 2008 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML081330461), Carolina Power and Light Company, now doing business as Progress Energy Carolinas, Inc., submitted Relief Request I3R-02 for the Shearon Harris Nuclear Power Plant, Unit 1 (HNP). The proposed relief request would allow the selection of piping welds based on a risk-informed (RI) selection and examination program as an alternative to a portion of HNP's current inservice inspection (ISI) program.

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.

By letter dated July 14, 2008 (ADAMS Accession No. ML081890498), the NRC staff informed HNP that further information was necessary to enable the staff to make an independent assessment regarding the acceptability of the proposed relief request in terms of regulatory requirements and the protection of public health and safety and the environment. Specifically, the July 14, 2008, letter stated that HNP Relief Request I3R-02 should be supplemented to provide a discussion confirming that Regulatory Guide 1.200 guidelines on probabilistic risk assessment technical adequacy were evaluated and satisfied, or provide and justify an acceptable alternative approach.

The NRC staff requested that HNP supplement the application to address the necessary information by June 20, 2008. HNP fulfilled this request by letter dated June 19, 2008 (ADAMS Accession No. ML081760292). The NRC staff has reviewed the supplemental information and found that it adequately addresses the information requested by the July 14, 2008, letter. Accordingly, the NRC staff has concluded that the relief request, as supplemented, is acceptable

for review. If additional information is needed for the staff to complete its technical review, you will be advised by separate correspondence. Should you have any questions regarding this review, please contact me at (301) 415-3178.

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

cc: See next page

for review. If additional information is needed for the staff to complete its technical review, you will be advised by separate correspondence. Should you have any questions regarding this review, please contact me at (301) 415-3178.

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

cc: See next page

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Mr. Chris L. Burton
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