



Serial: NPD-NRC-2010-047

June 10, 2010

10CFR52.79

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

**SHEARON HARRIS NUCLEAR POWER PLANT, UNITS 2 AND 3
DOCKET NOS. 52-022 AND 52-023
SUPPLEMENT 1 TO RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION LETTER
NO. 072 RELATED TO PROBABILISTIC RISK ASSESSMENT AND SEVERE ACCIDENTS**

- References:
1. Letter from Manny Comar (NRC) to James Scarola (PEC), dated November 16, 2009, "Request for Additional Information Letter No. 072 Related to SRP Section 19.0 Probabilistic Risk Assessment and Severe Accident Evaluation for the Shearon Harris Units 2 and 3 Combined License Application"
 2. Letter from John Elnitsky (PEF) to U.S. Nuclear Regulatory Commission (NRC), dated December 16, 2009, "Response to Request for Additional Information Letter Nos. 071 and 072 Related to Probabilistic Risk Assessment and Severe Accidents," Serial NPD-NRC-2009-244

Ladies and Gentlemen:

Progress Energy Carolinas, Inc. (PEC) hereby submits a supplemental response to the Nuclear Regulatory Commission's (NRC) request for additional information provided in Reference 1.

A revised response to one of the NRC questions (19-81) is addressed in the enclosure. The enclosure also identifies changes that will be made in a future revision of the Shearon Harris Nuclear Power Plant Units 2 and 3 application.

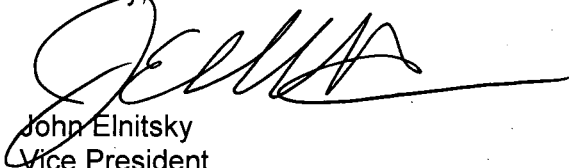
The information provided in the enclosure contains Security-Related Information, and accordingly, PEC requests that this enclosure be withheld from public disclosure under 10 CFR 2.390(d).

If you have any further questions, or need additional information, please contact Bob Kitchen at (919) 546-6992, or me at (727) 820-4481.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on June 10, 2010.

Sincerely,



John Elnitsky
Vice President
New Generation Programs & Projects

Progress Energy Carolinas, Inc.
P.O. Box 1551
Raleigh, NC 27602

DOB4
NRC

Enclosure

cc : U.S. NRC Region II, Regional Administrator (without enclosure)
U.S. NRC Resident Inspector, SHNPP Unit 1 (without enclosure)
Mr. Brian Hughes, U.S. NRC Project Manager
Ms. Denise McGovern, U.S. NRC Project Manager